



Maintenance, Repair & Overhaul Catalogue

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING **YOUR** SUCCESS.

Parker Hannifin Corporation

Parker can be found on and around everything that move. We manufacture highly engineered components and systems that facilitate motion and the controlled flow of liquids and gasses for a wide variety of global markets to increase our customers' productivity and profitability.

From flying aircraft and building infrastructure; to developing more efficient energy, advancing medical science and engineered materials, providing clean food and water, and supporting military efforts.

Parker's employees bring it all together, partnering with our customers to help solve some of the world's greatest engineering challenges.



Solving The World's Greatest Engineering

Our focus on solving some of the world's greatest engineering challenges sparks our passion for innovation and secures our future growth.

The development of more efficient energy sources; the desire to produce and distribute clean water; new drug discovery and medical advances; the building of infrastructure and transportation to support a growing population; the safe cultivation, transportation and preservation of food sources; emerging developments in defense; and the protection of our environment – all of these challenges drive Parker people forward, seeking new ways to innovate, combine technologies, collaborate, develop systems and partner with our customers to solve problems.

Partnership in Motion From hidden costs to visible profits

Partnership is an important aspect of the Parker Hannifin business philosophy. We feel that together we can increase your productivity and profitability by utilizing all the products, services and systems in our portfolio.

Whether your needs is to develop sophisticated new machinery or to keep production lines running 24 hours a day, Parker is there to work with you to help you achieve your goals.

History

The history of our great company is an interesting account of the transformation of technology over a period of nearly 100 years.

Founded in 1918, the evolution of the Parker Appliance Company into Parker Hannifin Corporation illustrates a legacy of innovation.

We believe our future growth is assured by honoring Parker's tradition of excellence and fair dealings.

1918	Founded
822,000	Products Sold
58,151	Customers
13,000	Distribution/MRO Outlets
1,200	Markets
316	Manufacturing Plants
50	Countries

Parker Hannifin ASEAN & Australasia



ASEAN Sales Office Presence

- SINGAPORE (Head Office)
- MALAYSIA Kuala Lumpur
- INDONESIA Jakarta
- THAILAND Bangkok
- VIETNAM Ho Chi Minh City
- PHILIPPINES Manila

Australasia Sales Office Presence

- SYDNEY (Head Office)
- AUSTRALIA
 - Perth
 - Melbourne
 - Brisbane
 - Adelaide
 - Mackay
 - Newcastle
- NEW ZEALAND
 - Auckland

Industrial



Bladder Accumulators



Fluid Moisture Sensor



Measurement Control



Medium Pressure Hydraulic Hose



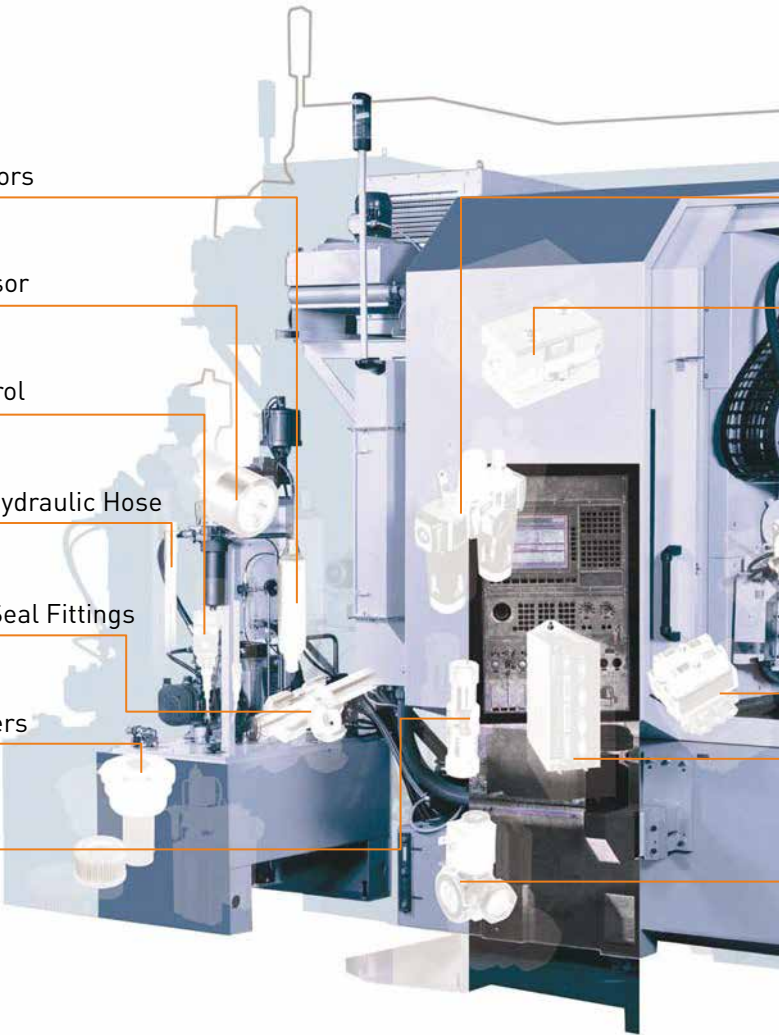
Bite Type and Soft Seal Fittings

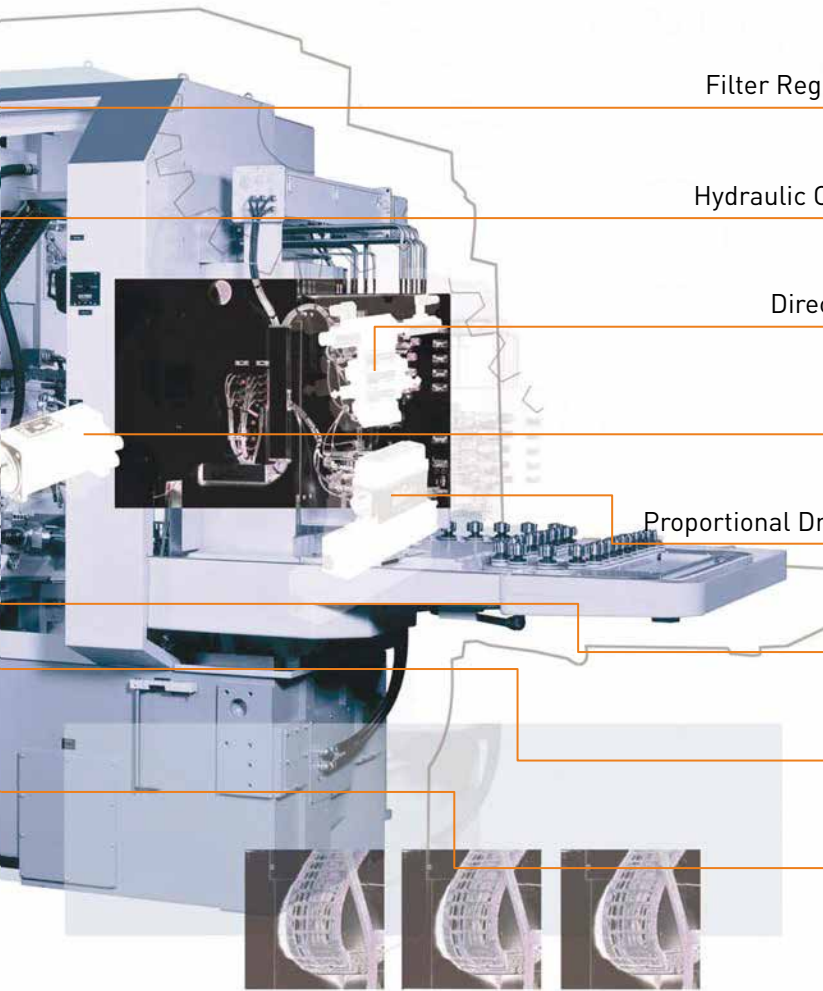


Filler Breather Filters



Quick Couplings





Filter Regulator Lubricators



Hydraulic Compact Cylinders



Direct Operated Valves



Servo Motors



Proportional Drive Control Valves



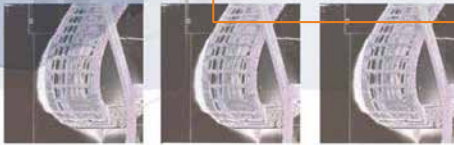
ISO Valves



Servo Drives



Solenoid Valves



Mobile



High Pressure Spiral Hose



Hydraulic Cylinders



Quick Couplings



Remote Control Valves



Suction Return Filters



Thermoplastic Hose



Hydraulic Motors





Hydraulic Flanges



Cartridge Valves



Piston Pumps



Gear Pumps and Motors



Diesel Fuel Filter



Manifold Systems



Sensor



Hydraulic Motors



Pneumatic



Push-In Fittings



Control Valves



Non-Return Valves



Stainless Steel Fittings



Double-Acting Pneumatic Cylinders



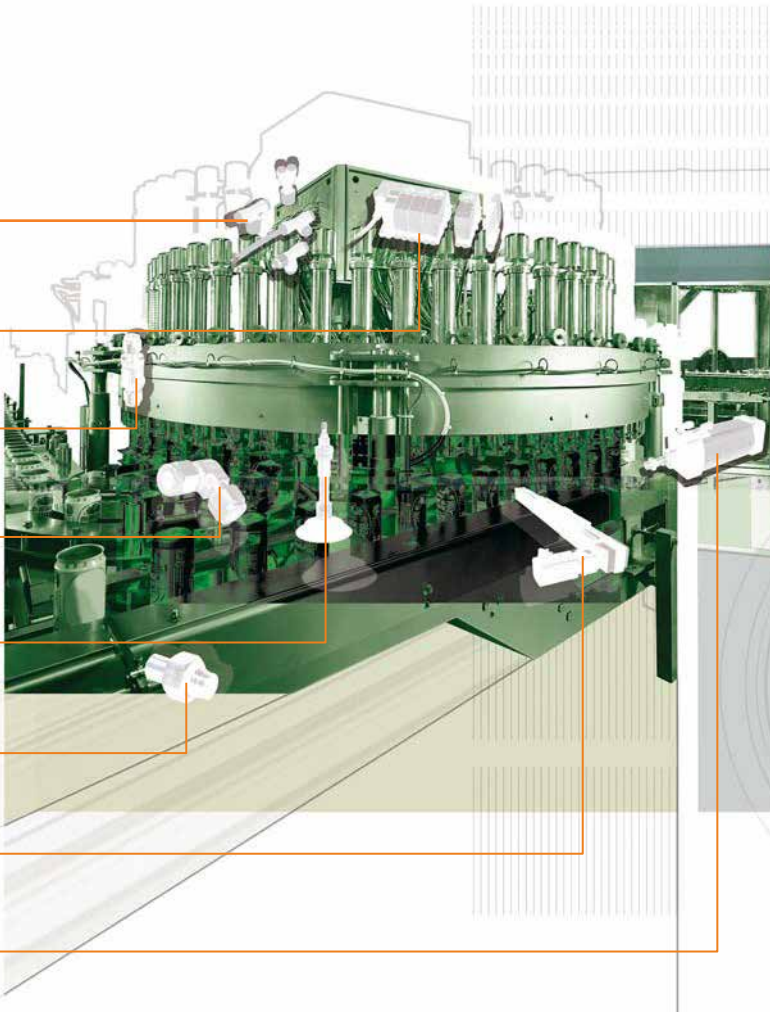
Bite Type and Soft Sealing Fittings

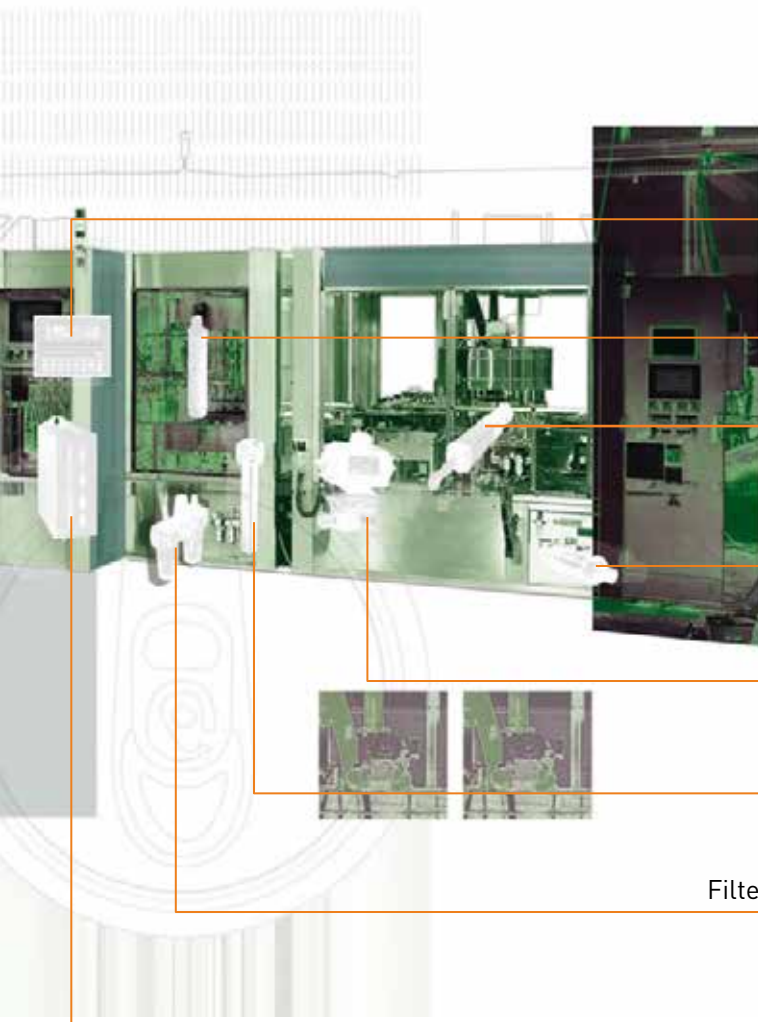


Electromechanical Cylinders



Pneumatic Cylinders





Human Machine Interface



Air Filter Elements



Piston Pumps



Measurement Control



Solenoid Valves



Air Filter Housing



Filter Regulator Lubricators



Electrical Drives



General Index

1

Pneumatics

Pneumatic Cylinders
Pneumatic Valves
Air Preparation
Shuttle Valve and Quick Exhaust

Legris Fittings and Tubing
Pneumatic Coupling
Solenoid Valves
Drives

2

Engineered Materials

Sizing Cone
Extraction Tools
Assembly Greases and Lubricants

Kits & Accessories
Material Guide
Sizing Guide

3

Filtration

Compressed Air & Gas Treatment
Engine and Mobile
Hydraulic Filtration

4

Fluid Connectors

Hoses
DIN Fittings
Snaptite

Quick Couplings
Tube Fittings
Adaptors

5

Hydraulics

Accumulators
Pumps
Motors

Valves
Coils for Threaded Cartridge

6

Refrigeration

Filter Dries
Valves
Braze-Free Fittings
Tools & Accessories

7

Instrumentation

Industrial Valves
Manifolds
Filters
Fittings

Air Preparation
Solenoid Valves
Fitting & Gauges
Pipe Fittings

8

Tooling & Accessories

Clamps
Tube Tooling
Parker Tracking System

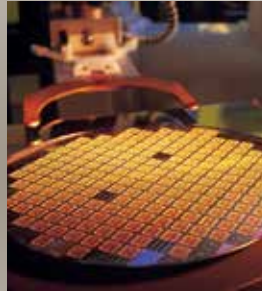
Solving the world's greatest engineering challenges

Our focus on solving some of the world's greatest engineering challenges sparks our passion for innovation and secures future growth.



Oil & Gas

Life Science



Microelectronics

Mining



Process



Marine

Automotive



Construction



Pneumatics



Pneumatic Cylinders & Valves

- | P1A/D-B - Cylinders 14-17
- | Viking Lite - Spool Valves 18-21
- | Adex Plus 22-25
- | DX Global ISO Valves 26-28

Fluid Control

- | Solenoid Valves & Coils 29-32

Air Preparation

- | Parker Global Air Preparation System 33-36

Valve

- | Shuttle Valve & Quick Exhaust Valve 37

Legris Fittings and Tubing

- | Stud Fittings 38-41
- | Tube-to-Tube Fittings 42-43
- | Bulkhead Connector Fittings 44
- | Plug-In Fittings and Accessories 45
- | Tubing 46-47
- | Miniature/ Inline Regulators with External Adjustment 48
- | Polymer Blowguns 49

Air Saver Unit

- | Air Saver Unit for Legris Blow Gun 50-51

Pneumatic Coupling

- | Rectus Couplers 52-53

Drives

- | AC10 54-59

For more product offerings, please refer to:



ASEAN Core Pneumatics range



ASEAN & ANZ Fluid Control Market range



AC10 Variable speed drive

Description:

- Careful design and high quality manufacture throughout ensure long service life and optimum economy. Mounting dimensions fully in accordance with ISO 6432 and CETOP RP52P greatly simplifies installation and world-wide interchangeability.

Operating Information

Working Pressure:
Temperature range:

- Max 10 bar
- -20°C to +80°C

*Note: Prelubricated, further lubrication is not normally necessary. If additional lubrication is introduced it must be continued.

Features:

- Mini cylinder according to ISO 6432.
- Available in 10 to 25 mm bores.
- Corrosion resistant design and low weight construction.
- Magnetic piston as standard.
- End stroke buffers for long service life.



Double Acting Buffer Cushioning

Ø12mm - (M5)		Ø16mm - (M5)		Ø20mm - (G1/8)		Ø25mm - (G1/8)	
Part Number	Stroke mm	Part Number	Stroke mm	Part Number	Stroke mm	Part Number	Stroke mm
P1A-S012DS-0010	10	P1A-S016DS-0010	10	P1A-S020DS-0010	10	P1A-S025DS-0010	10
P1A-S012DS-0025	25	P1A-S016DS-0025	25	P1A-S020DS-0025	25	P1A-S025DS-0025	25
P1A-S012DS-0050	50	P1A-S016DS-0050	50	P1A-S020DS-0050	50	P1A-S025DS-0050	50
P1A-S012DS-0080	80	P1A-S016DS-0080	80	P1A-S020DS-0080	80	P1A-S025DS-0080	80
P1A-S012DS-0100	100	P1A-S016DS-0100	100	P1A-S020DS-0100	100	P1A-S025DS-0100	100
		P1A-S016DS-0125	125	P1A-S020DS-0125	125	P1A-S025DS-0125	125
		P1A-S016DS-0160	160	P1A-S020DS-0160	160	P1A-S025DS-0160	160
		P1A-S016DS-0200	200	P1A-S020DS-0200	200	P1A-S025DS-0200	200
				P1A-S020DS-0250	250	P1A-S025DS-0250	250
				P1A-S020DS-0320	320	P1A-S025DS-0320	320

Cylinders are supplied complete with neck mounting and piston rod nuts. Cylinders with Through piston rods are supplied with two piston rod nuts and one neck mounting nut.

P1A Cylinder Mounting Options

Flange MF8	
Part Number	Cyl. bore Ø mm
P1A-4DMB	12
P1A-4DMB	16
P1A-4HMB	20
P1A-4HMB	25



Foot MS8	
Part Number	Cyl. bore Ø mm
P1A-4DMF	12
P1A-4DMF	16
P1A-4HMF	20
P1A-4HMF	25



Swivel rod eye	
Part Number	Cyl. bore Ø mm
P1A-4DRS	12
P1A-4DRS	16
P1A-4HRS	20
P1A-4JRS	25



Clevis bracket	
Part Number	Cyl. bore Ø mm
P1A-4DMT	12
P1A-4DMT	16
P1A-4HMT	20
P1A-4HMT	25



Clevis	
Part Number	Cyl. bore Ø mm
P1A-4DRC	12
P1A-4DRC	16
P1A-4HRC	20
P1A-4JRC	25



Sensors

Part Number	Description	Cable/connector
P8S-GPFLX	Electronic sensors, 10-30 V DC 3 m PVC-cable without connector	PNP type, normally open
P8S-GSFLX	Reed sensors, 10-30 V AC/DC 3 m PVC-cable without connector	Normally open
P8S-GRFLX2	Reed sensorer, 24-230 V AC/DC 3 m PVC-cable without connector	Normally open

Connecting cables with one connector

The cables have an integral snap-in female connector.



Cables for sensors, complete with one female connector

The cables have an integral snap-in female connector.

Part Number	Cable/Connector
9126344341	3 m, 8 mm Snap-in connector
9126344342	10 m, 8 mm Snap-in connector

*Without LED

Sensor Mounting

Part Number	Description	Weight kg
P8S-TMC01	Sensor mounting for P1A cylinder bore Ø12 to Ø25 mm	0.07

Description: • Double acting with stainless steel piston rod.

Operating Information:

Working Pressure: • Max 10 bar

Temperature range: • -20°C to +80°C

For more information see www.parker.com/euro_pneumatic

Features:

- Conforms to ISO 15552.
- Bore 32-125 mm.
- Double acting.
- Stainless steel piston rod.
- Robust design.
- Adjustable air cushioning.
- Retained stainless steel cushioning screws.
- Wide range of mountings and drop-in sensors



P1D-B Double Acting

Part Number	Stroke	Cyl. bore mm	Part Number	Stroke	Cyl. bore mm	Part Number	Stroke	Cyl. bore mm
P1D-B032MS-0025	25	32 Conn. G1/8	P1D-B040MS-0025	25	40 Conn. G1/4	P1D-B050MS-0025	25	50 Conn. G1/4
P1D-B032MS-0040	40		P1D-B040MS-0040	40		P1D-B050MS-0040	40	
P1D-B032MS-0050	50		P1D-B040MS-0050	50		P1D-B050MS-0050	50	
P1D-B032MS-0080	80		P1D-B040MS-0080	80		P1D-B050MS-0080	80	
P1D-B032MS-0100	100		P1D-B040MS-0100	100		P1D-B050MS-0100	100	
P1D-B032MS-0125	125		P1D-B040MS-0125	125		P1D-B050MS-0125	125	
P1D-B032MS-0160	160		P1D-B040MS-0160	160		P1D-B050MS-0160	160	
P1D-B032MS-0200	200		P1D-B040MS-0200	200		P1D-B050MS-0200	200	
P1D-B032MS-0250	250		P1D-B040MS-0250	250		P1D-B050MS-0250	250	
P1D-B032MS-0320	320		P1D-B040MS-0320	320		P1D-B050MS-0320	320	
P1D-B032MS-0400	400	P1D-B040MS-0400	400	P1D-B050MS-0400	400			
P1D-B032MS-0500	500	P1D-B040MS-0500	500	P1D-B050MS-0500	500			

Part Number	Stroke	Cyl. bore mm	Part Number	Stroke	Cyl. bore mm	Part Number	Stroke	Cyl. bore mm
P1D-B063MS-0025	25	63 Conn. G1/4	P1D-B080MS-0025	25	80 Conn. G1/4	P1D-B100MS-0025	25	100 Conn. G1/4
P1D-B063MS-0040	40		P1D-B080MS-0040	40		P1D-B100MS-0040	40	
P1D-B063MS-0050	50		P1D-B080MS-0050	50		P1D-B100MS-0050	50	
P1D-B063MS-0080	80		P1D-B080MS-0080	80		P1D-B100MS-0080	80	
P1D-B063MS-0100	100		P1D-B080MS-0100	100		P1D-B100MS-0100	100	
P1D-B063MS-0125	125		P1D-B080MS-0125	125		P1D-B100MS-0125	125	
P1D-B063MS-0160	160		P1D-B080MS-0160	160		P1D-B100MS-0160	160	
P1D-B063MS-0200	200		P1D-B080MS-0200	200		P1D-B100MS-0200	200	
P1D-B063MS-0250	250		P1D-B080MS-0250	250		P1D-B100MS-0250	250	
P1D-B063MS-0320	320		P1D-B080MS-0320	320		P1D-B100MS-0320	320	
P1D-B063MS-0400	400	P1D-B080MS-0400	400	P1D-B100MS-0400	400			
P1D-B063MS-0500	500	P1D-B080MS-0500	500	P1D-B100MS-0500	500			

Part Number	Stroke	Cyl. bore mm
P1D-B125MS-0025	25	125 Conn. G1/4
P1D-B125MS-0040	40	
P1D-B125MS-0050	50	
P1D-B125MS-0080	80	
P1D-B125MS-0100	100	
P1D-B125MS-0125	125	
P1D-B125MS-0160	160	
P1D-B125MS-0200	200	
P1D-B125MS-0250	250	
P1D-B125MS-0320	320	
P1D-B125MS-0400	400	
P1D-B125MS-0500	500	

Flange MF1/ MF2	
Part Number	Cyl. bore Ø mm
P1C-4KMB-W	32
P1C-4LMB-W	40
P1C-4MMB-W	50
P1C-4NMB-W	63
P1C-4PMB-W	80
P1C-4QMB-W	100
P1C-4RMB-W	125



Clevis	
Part Number	Cyl. bore Ø mm
P1C-4KRC-W	32
P1C-4LRC-W	40
P1C-4MRC-W	50
P1C-4NRC-W	63
P1C-4PRC-W	80
P1C-4QRC-W	100
P1C-4RRC-W	125



Foot bracket MS1	
Part Number	Cyl. bore Ø mm
P1C-4KMF-W	32
P1C-4LMF-W	40
P1C-4MMF-W	50
P1C-4NMF-W	63
P1C-4PMF-W	80
P1C-4QMF-W	100
P1C-4RMF-W	125



* Supplied as pack of 10 off

Clevis bracket MP2	
Part Number	Cyl. bore Ø mm
P1C-4KMTB-W	32
P1C-4LMTB-W	40
P1C-4MMTB-W	50
P1C-4NMTB-W	63
P1C-4PMTB-W	80
P1C-4QMTB-W	100
P1C-4RMTB-W	125



Sensors

Part Number	Description	Cable/connector
P8S-GPFLX	3 m PVC-cable without connector Electronic sensors, 10-30 V DC	PNP type, normally open
P8S-GSFLX	3 m PVC-cable without connector Reed sensors, 10-30 V AC/DC	Normally open
P8S-GRFLX2	3 m PVC-cable without connector Reed sensorer, 24-230 V AC/DC	Normally open

Connecting cables with one connector

The cables have an integral snap-in female connector.



Cables for sensors, complete with one female connector

The cables have an integral snap-in female connector.

Part Number	Cable/connector
9126344341	3 m, 8 mm Snap-in connector
9126344342	10 m, 8 mm Snap-in connector

* Without LED

Description:	<ul style="list-style-type: none"> Viking Lite valves are made of anodized aluminium, for good corrosion resistance. The smooth design, with no dirt-collecting pockets, makes the valve suitable for most environments.
Operating Information:	
Working Pressure:	<ul style="list-style-type: none"> Max 10 bar
Temperature range:	<ul style="list-style-type: none"> -10°C to +50°C
Features:	<ul style="list-style-type: none"> Rust and corrosion resistant designs. High reliability. Compact installation dimensions - flexible installation.



Directional Control Valves

Solenoid operated directional control valves

Internal supply to solenoid valve(s) via port 1.
 Max operating pressure 10 bar, temperature range -10°C to +50°C

3/2 valves, internal air, standard temperature

Part Number * Without coil * Refer to page 21 for coils & connectors	Part Number With 24V DC (22mmcoil) * Refer to page 21 for connectors	Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg
P2LAZ311PP			G1/8			1.5	5/5	0.18
P2LBZ312PP	-		G1/4	Air Signal	Air Signal	1.5	6/6	0.18
P2LCZ313PP			G3/8			1.5	8/8	0.36
P2LAZ311PS			G1/8			3.0	8/15	0.16
P2LBZ312PS	-		G1/4	Air Signal	Spring	3.0	10/20	0.16
P2LCZ313PS			G3/8			3.0	10/30	0.35
P2LAZ311EENDCN	P2LAZ311EENDCB49		G1/8			1.5	10/10	0.18
P2LBZ312EENDCN	P2LBZ312EENDCB49		G1/4	Electric signal	Electric signal	1.5	12/12	0.18
P2LCZ313EENDCN	P2LCZ313EENDCB49		G3/8			1.5	17/17	0.36
P2LAZ311ESNDCN	P2LAZ311ESNDCB49		G1/8			3.0	15/35	0.16
P2LBZ312ESNDCN	P2LBZ312ESNDCB49		G1/4	Electric signal	Spring	3.0	18/45	0.16
P2LCZ313ESNDCN	P2LCZ313ESNDCB49		G3/8			3.0	27/75	0.35

5/2 valves, Internal Air, Standard Temperature

Part Number * Without coil * Refer to page 21 for coils & connectors	Part Number With 24V DC [22mmcoil] * Refer to page 21 for connectors	Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg
P2LAZ511PP	-		G1/8			1.5	5/5	0.18
P2LBZ512PP	-		G1/4	Air Signal	Air Signal	1.5	6/6	0.18
P2LCZ513PP	-		G3/8			1.5	8/8	0.36
P2LAZ511PS	-		G1/8			3.0	8/15	0.16
P2LBZ512PS	-		G1/4	Air Signal	Spring	3.0	10/20	0.16
P2LCZ513PS	-		G3/8			3.0	10/30	0.35
P2LAZ511EENDCN	P2LAZ511EENDCB49		G1/8			1.5	10/10	0.19
P2LBZ512EENDCN	P2LBZ512EENDCB49		G1/4	Electric signal	Electric signal	1.5	12/12	0.21
P2LCZ513EENDCN	P2LCZ513EENDCB49		G3/8			1.5	17/17	0.44
P2LAZ511ESNDCN	P2LAZ511ESNDCB49		G1/8			3.0	15/35	0.17
P2LBZ512ESNDCN	P2LBZ512ESNDCB49		G1/4	Electric signal	Spring	3.0	18/45	0.20
P2LCZ513ESNDCN	P2LCZ513ESNDCB49		G3/8			3.0	27/75	0.43

5/3 valves, Internal Air, Standard Temperature

Part Number * Without coil * Refer to page 21 for coils & connectors	Part Number With 24V DC [22mmcoil] * Refer to page 21 for connectors	Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg
P2LAZ611EENDCN	P2LAZ611EENDCB49		G1/8		Self centring	3.0	18/40	0.26
P2LBZ612EENDCN	P2LBZ612EENDCB49		G1/4	Electric/ Electric	Closed	3.0	22/55	0.28
P2LCZ613EENDCN	P2LCZ613EENDCB49		G3/8		Centre	3.0	30/90	0.60
P2LAZ711EENDCN	P2LAZ711EENDCB49		G1/8		Self centring	3.0	18/40	0.26
P2LBZ712EENDCN	P2LBZ712EENDCB49		G1/4	Electric/ Electric	Pressurized	3.0	22/45	0.28
P2LCZ713EENDCN	P2LCZ713EENDCB49		G3/8		Centre	3.0	30/90	0.60
P2LAZ811EENDCN	P2LAZ811EENDCB49		G1/8		Self centring	3.0	18/40	0.26
P2LBZ812EENDCN	P2LBZ812EENDCB49		G1/4	Electric/ Electric	Vented	3.0	22/45	0.28
P2LCZ813EENDCN	P2LCZ813EENDCB49		G3/8		Centre	3.0	30/90	0.60

1

Type P2LA 5/2 Valves



Manifold bar, P2LA
including seals, mounting screws, G3/8

Blanking Plate, P2LA
for manifold bar

Part Number	Type P2LA 5/2 valves
PH-AUG-084-004K	For 4 valves
PH-AUG-084-006K	For 6 valves
PH-AUG-084-008K	For 8 valves
PH-AUG-084-010K	For 10 valves
PH-AUG-084-012K	For 12 valves
PH-AUG-084-014K	For 14 valves

Part Number
9121658063

Type P2LB 5/2 Valves



Manifold bar, P2LB,
(not for P2LB with external air supply to solenoid valves)
incl. fasteners and O-ring. G3/8

Blanking Plate, P2LB
For common air supply inc. O-rings
and mouting screws, G3/8

Part Number	Type P2LA 5/2 valves
PH-AUG-086-002K	For 2 valves
PH-AUG-086-004K	For 4 valves
PH-AUG-086-006K	For 6 valves
PH-AUG-086-008K	For 8 valves
PH-AUG-086-010K	For 10 valves
PH-AUG-084-014K	For 14 valves

Part Number
9121594809X

Type P2LA/ P2LB 3/2 Valves



Manifold bar, P2LB, (not for P2LB with external air supply to solenoid valves)
incl. fasteners and O-ring. G3/8

Blanking Plate, P2LA
for manifold bar

Part Number	Type P2LA / P2LB 3/2 valves
PH-AUG-085-002K	For 2 valves
PH-AUG-085-004K	For 4 valves
PH-AUG-085-006K	For 6 valves
PH-AUG-085-008K	For 8 valves
PH-AUG-085-010K	For 10 valves

Part Number
912132BPSXZ

PNEUMATICS

Description:

- **Corrosion resistant design** - The pilot operator body is manufactured in thermoplastic PA 6 material and the core tube brass/stainless steel. The plunger/ core is made from stainless steel and the valve seats from FKM.
- **Solenoid Pilot Exhaust** - These operators all exhaust out of the top of the core tube which is tapped M5. The standard solenoid nut fitted to the core tube is the Diffuser nut which allows the exhaust to escape to atmosphere. This nut also minimises ingress of dirt into the valve through this port. The alternative plastic knurled nut can be specified (refer to part number system) if the exhaust air needs to be captured and piped away using the M5 tapped port.
- **Coils** - Coils are wound with enameled copper wire, having temperature index 180°C with class F insulation (155°C) and are encapsulated in Thermoplastic resin. When fitted with suitable connector and correct gasket they give protection to IP65.
- **Manual Override options** -The standard manual override is the monostable (spring return) extended plastic override.



22mm Solenoid Operator Part Numbers And Spares

Solenoid coils for 22mm solenoid operators		
Part Number	Voltage	Weight (Kg)
P2FCB340	12V 60Hz	0.093
P2FCB342	24V 50/60Hz	0.093
P2FCB345	12V DC	0.093
P2FCB349	24V DC	0.093
P2FCB351	48V DC	0.093
P2FCB353	110V/50Hz, 120V/60Hz	0.093
P2FCB357	230V/50Hz, 230V/60Hz	0.093

Solenoid Connectors		
Part Number	Description	
3EV10V10	With standard screw	Standard IP65 without flying lead
3EV10V20-24		With LED and protection 24V AC/DC
3EV10V20-110		With LED and protection 110V AC
3EV10V20-230		With LED and protection 230V AC

- | | |
|---------------------------|----------------------------|
| Media: | • Air, Non-Reactive Gases |
| Operating Temperature : | • +5°C ~ 50 °C |
| Storage Temperature: | • -20°C ~ 70°C |
| Operating Humidity: | • ≤ 85 %RH |
| Storage Humidity: | • ≤ 85 %RH |
| Manual Operation: | • Manual Lockable Override |
| Mounting Positon: | • Free |
| Max. Operating Frequency: | • 10Hz |
| Vibration Resistance: | • 30 m/s ² |
| Shock Resistance: | • 150 m/s ² |

- Features:
- Compact body with large flow
 - Quick Response time, 10ms
 - Expected life time > 50 million operations
 - Low Power consumption: 0.6W





In-Line type pilot operated solenoid valve - P2A05R Port M5, 10mm width

Part Number	Function	Port size	Operating Pressure (mpa)	Effective Orifice (mm ²)		CV Value	Response time (ms)		Weight (g)
				Port 1→4	Port 1→2		ON	OFF	
P2A05RS25	5/2 Single solenoid	M5	0.2-0.7	4	4	0.22	10	24	30
P2A05RD25	5/2 Double solenoid						10	NA	43
P2A05RD35	5/3 Closed Centre						30	30	55
P2A05RE35	5/3 Exhaust Centre						30	30	55
P2A05R035	5/3 Pressure Centre						30	30	55

In-Line type pilot operated solenoid valve - P2A12R Port 1/8, 15mm width

Part Number	Function	Port size	Operating Pressure (mpa)	Effective Orifice (mm ²)		CV Value	Response time (ms)		Weight (g)
				Port 1→4	Port 1→2		ON	OFF	
P2A12RS25	5/2 Single solenoid	Rc 1/8	0.15-0.7	9	7.5	0.59	10	24	68
P2A12RD25	5/2 Double solenoid						10	NA	87
P2A12RD35	5/3 Closed Centre		35			NA	96		
P2A12RE35	5/3 Exhaust Centre		35			NA	96		
P2A12R035	5/3 Pressure Centre		35			NA	96		

In-Line type pilot operated solenoid valve - P2A20R Port 1/4, 18mm width

Part Number	Function	Port size	Operating Pressure (mpa)	Effective Orifice (mm ²)		CV Value	Response time (ms)		Weight (g)
				Port 1→4	Port 1→2		ON	OFF	
P2A20RS25	5/2 Single solenoid	Rc 1/4	0.15-0.7	14		0.82	25	50	68
P2A20RD25	5/2 Double solenoid						25	NA	87
P2A20RD35	5/3 Closed Centre		12		0.65	50	50	96	
P2A20RE35	5/3 Exhaust Centre					50	50	96	
P2A20R035	5/3 Pressure Centre					50	50	96	

Electrical Specifications

Supply Voltage [V]	DC24
Permissible Voltage fluctuation %	±10
Power consumption [W]	0.6
Insulation Class	E (120)
Wiring	Connector with Leadwire
Surge Suppressor	Diode
Indicator light	LED

1

5/2 Valves, Internal Air, Standard Temperature And Spares

Part Number	Compatible with	Symbol	Size	Actuation	Return
P2A05RS25-1P-M5	SY3120-5LOZ-M5		M5	Electric Signal	Spring
P2A12RS25-1P-01	SY5120-5LOZ-01		Rc1/8		
P2A20RS25-1P-02	SY7120-5LOZ-02		Rc1/4		
P2A05RD25-1P-M5	SY3220-5LOZ-M5		M5	Electric Signal	Electric Signal
P2A12RD25-1P-01	SY5220-5LOZ-01		Rc1/8		
P2A20RD25-1P-02	SY7220-5LOZ-02		Rc1/4		

5/3 Valves, Internal Air, Standard Temperature And Spares

Part Number	Compatible with	Symbol	Size	Actuation	Return
P2A05RD35-1P-M5	SY3320-5LOZ-M5		M5	Electric/Electric	Self Centring
P2A12RD35-1P-01	SY5320-5LOZ-01		Rc1/8		Closed
P2A20RD35-1P-02	SY7320-5LOZ-02		Rc1/4		Centre
P2A05R035-1P-M5	SY3420-5LOZ-M5		M5	Electric/Electric	Self Centring
P2A12R035-1P-01	SY5420-5LOZ-01		Rc1/8		Pressurized
P2A20R035-1P-02	SY7420-5LOZ-02		Rc1/4		Centre
P2A05RE35-1P-M5	SY3520-5LOZ-M5		M5	Electric/Electric	Self Centring
P2A12RE35-1P-01	SY5520-5LOZ-01		Rc1/8		Vented
P2A20RE35-1P-02	SY7520-5LOZ-02		Rc1/4		Centre

Type P2A05 Valves



Manifold bar		
Part Number	Compatible with	Type P2A05 valves
P2A05R-MF02	SS5Y3-20-02	For 2 valves
P2A05R-MF04	SS5Y3-20-04	For 4 valves
P2A05R-MF06	SS5Y3-20-06	For 6 valves
P2A05R-MF08	SS5Y3-20-08	For 8 valves
P2A05R-MF10	SS5Y3-20-10	For 10 valves

Blanking Plate	Lead wire with connector	Mounting Bracket
Part Number	Part Number	Part Number
P2A05R-MFBP	P2A05P-DC-CL5	P2A05R-BS

Type P2A12 Valves



Manifold bar		
Part Number	Compatible with	Type P2A12 valves
P2A12R-MF02	SS5Y5-20-02	For 2 valves
P2A12R-MF04	SS5Y5-20-04	For 4 valves
P2A12R-MF06	SS5Y5-20-06	For 6 valves
P2A12R-MF08	SS5Y5-20-08	For 8 valves
P2A12R-MF10	SS5Y5-20-10	For 10 valves

Blanking Plate	Mounting Bracket
Part Number	Part Number
P2A12R-MFBP	P2A12R-BS

Type P2A20 Valves



Manifold bar		
Part Number	Compatible with	Type P2A20 valves
P2A20R-MF02	SS5Y7-20-02	For 2 valves
P2A20R-MF04	SS5Y7-20-04	For 4 valves
P2A20R-MF06	SS5Y7-20-06	For 6 valves
P2A20R-MF08	SS5Y7-20-08	For 8 valves
P2A20R-MF10	SS5Y7-20-10	For 10 valves

Blanking Plate	Mounting Bracket
Part Number	Part Number
P2A20R-MFBP	P2A20R-BS

Description:

- Ceramic slide valves for maximum operational life. Solenoid or air pilot operated with a wide choice of bases and manifolds. Vacuum to 12 bar general applications.

Applications:

- Conveyor, Centrifuge, Fans, Mixers, Packaging Machines, Textile Machines, Strapping Machines, Labeling Machines, Industrial washing Machines, Machine Tool Spindles, Roller Doors

Operating Information:

Working Pressure:

- -0,9 to 12 bar

Temperature range:

- -10°C to +60°C

Features:

- Rust and corrosion resistant body. With the valve body in polyamide reinforced fiberglass and the casting in anodised aluminium, the Isomax range presents a comprehensive modern design to suit most industrial environments.

Versatility & Performance

- Size 1, 2 and 3
- Ceramic technology for long life operation
- From vacuum up to 12 bar applications
- Internal or external pilot supply with same valves
- M12 on each coil
- Common M12



Pneumatic Remote Pilot Operated - With direct valve spool manual override

Part Number	Symbol	Description	Size	Weight (g)
DX1-421-70		5/2 Air pilot - Spring return	1-43mm	350
DX2-421-70			2-56mm	600
DX3-421-70			3-71mm	1100
DX1-451-70		5/2 Air pilot - Differential	1-43mm	350
DX2-451-70			2-56mm	600
DX3-451-70			3-71mm	1100
DX1-406-70		5/2 Double air pilot	1-43mm	350
DX2-406-70			2-56mm	600
DX3-406-70			3-71mm	1100
DX1-416-70		5/3 Closed Center (APB)	1-43mm	350
DX2-416-70			2-56mm	600
DX3-416-70			3-71mm	1100
DX1-411-70		5/3 Vented Center	1-43mm	350
DX2-411-70			2-56mm	600
DX3-411-70			3-71mm	1100
DX1-413-70		5/3 Pressurised Center	1-43mm	350
DX2-413-70			2-56mm	600

CNOMO Operator Without Coil - With non locking manual override on solenoid valve operator

1

PNEUMATICS

Part Number	Symbol	Description	Size	Weight (g)
DX1-621-BN		5/2 Air pilot - Spring return	1-43mm	400
DX2-621-BN			2-56mm	650
DX3-621-BN			3-71mm	1150
DX1-651-BN		5/2 Air pilot - Differential	1-43mm	400
DX2-651-BN			2-56mm	650
DX3-651-BN			3-71mm	1150
DX1-606-BN		5/2 Double solenoid	1-43mm	550
DX2-606-BN			2-56mm	800
DX3-606-BN			3-71mm	1300
DX1-616-BN		5/3 Closed Center (APB)	1-43mm	550
DX2-616-BN			2-56mm	800
DX3-616-BN			3-71mm	1300
DX1-611-BN		5/3 Vented Center	1-43mm	550
DX2-611-BN			2-56mm	800
DX3-611-BN			3-71mm	1300
DX1-613-BN		5/3 Pressurised Center	1-43mm	550
DX2-613-BN			2-56mm	800

*Without direct valve spool manual override

DIN Coils for CNOMO Operator



30 x 30 DIN Form A			22 x 30 DIN Form B		Voltage
Part Number Low Power (to be used with P2FP23Nx)	Part Number High Power (to be used with EV300x100)	Weight (g)	Part Number Low Power (to be used with 1EVx*310)	Weight (g)	
P2FCA445	P2FCA545	150	P2FCB345	93	12 vdc
P2FCA449	P2FCA549	150	P2FCB349	93	24 vdc
P2FCA451	P2FCA351	150	P2FCB351	93	48 vdc
P2FCA440	P2FCA540	150	P2FCB340	93	12 vac 50/60 hz
P2FCA445	P2FCA545	150	P2FCB345	93	24 vac 50/60 hz
P2FCA449	P2FCA549	150	P2FCB349	93	48 vac 50/60 hz
P2FCA453	P2FCA553	150	P2FCB353	93	110 vac 50 hz/ 120 vac 60 hz
P2FCA457	P2FCA557	150	P2FCB357	93	230 vac 50 hz/ 240 vac 60 hz

DIN Connectors



30 x 30 DIN Form A Connector with standard screw Standard IP65		22 x 30 DIN Form B Connector with standard screw Standard IP65		Cable Length	Visualization
Part Number	Weight (g)	Part Number	Weight (g)		
3EV290V10	15	3E10V10	15	No cable	No LED
3EV290V20-24	30	3E10V20-24	20	No cable	24 vdc/vac LED
3EV290V20-24L5	335	3E10V20-24L5	350	5 Meters	
3EV290V20-110	30	3E10V20-110	25	No cable	110 vac LED
3EV290V20-110L5	470	3E10V20-110L5	355	5 Meters	
3EV290V20-230	30	3E10V20-230	25	No cable	230 vca LED
3EV290V20-230L5	350	3E10V20-230L5	360	5 Meters	

Side Ported Sub-bases - ISO5599-1



Single sub-based with side ports 1 3 5 2 4 ports & 12 14				
Part Number BSP	Part Number NPT	Weight (g)	Port size	Size
PL1-1/4-70	PL1-1/4-80	160	G1/4	1-43mm
PL1-3/8-70	-	160	G3/8	1-43mm
PL2-3/8-70	PL2-3/8-80	280	G3/8	2-56mm
P2N-HS514SS	-	-	G1/2	2-56mm
PL3-1/2-70	PL31/2-80	-	G1/2	3-71mm
P2N-JS516SD	-	-	G3/4	3-71mm

Bottom Ported Sub-bases - ISO5599-1



Single sub-based with bottom ports 1 3 5 2 4 ports & 12 14				
Part Number BSP	Part Number NPT	Weight (g)	Port size	Size
PD1-1/4-70	PD1-1/4-80	370	G1/4	1-43mm
PD2-3/8-70	PD2-3/8-80	590	G3/8	2-56mm
PD3-1/2-70	-	590	G1/2	3-71mm

2/2 General Purpose Valves - Pilot Operated



WATER



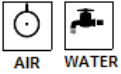
2/2 Normally Closed								
Part Number	Description	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
7321BIN00	443776W	3/8"	13	50	NBR	90	20	2.0
7321BAN00	443779W	1/2"	13	50	NBR	90	20	2.0
7321BCN00	443782W	3/4"	20	140	NBR	90	20	2.0
7321BDN00	443786W	1"	25	160	NBR	90	20	2.0
7321BEN00	443790W	1 1/4"	35	420	NBR	90	10	2.0
7321BFN00	443794W	1 1/2"	40	500	NBR	90	10	2.0
7321BGN00	443798W	2"	50	620	NBR	90	10	2.0

2/2 Normally Closed								
Part Number	Description	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
7321BIH00	443778W	3/8"	13	50	EPDM	140	10	2.0
7321BAH00	443781W	1/2"	13	50	EPDM	140	10	2.0
7321BCH00	443785W	3/4"	20	140	EPDM	140	10	2.0
7321BDH00	443789W	1"	25	160	EPDM	140	10	2.0
7321BEH00	443793W	1 1/4"	35	420	EPDM	140	10	2.0
7321BFH00	443797W	1 1/2"	40	500	EPDM	140	10	2.0
7321BGH00	4437801W	2"	50	620	EPDM	140	10	2.0

2/2 Normally Opened								
Part Number	Description	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
7322BIN00	443805W	3/8"	13	50	NBR	90	20	2.0
7322BAN00	443806W	1/2"	13	50	NBR	90	20	2.0
7322BCN00	443807W	3/4"	20	140	NBR	90	20	2.0
7322BDN00	443808W	1"	25	160	NBR	90	20	2.0
7322BEN00	443809W	1 1/4"	35	420	NBR	90	10	2.0
7322BFN00	443810W	1 1/2"	40	500	NBR	90	10	2.0
7322BGN00	443811W	2"	50	620	NBR	90	10	2.0

For more compatible coils, see page 31 >Accessories

2/2 General Purpose Valves - Direct Operated



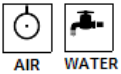
2/2 Normally Closed, Direct Acting Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
121K01	1/4"	5	11	VITON	100	7/2	2.0
E121K04	1/4"	1.5	1.5	PCTFE	75	60/25	2.0
E121K63	1/4"	2.5	3.5	RUBY	100	28/10	2.0
E121K65	1/4"	1.2	0.85	RUBY	100	80/36	2.0
E121K45	1/2"	11	36	VITON	100	0.7/0.3	2.0
E121K46	1/2"	8.5	25	VITON	100	1.1/0.5	2.0

2/2 Normally Closed, Direct Acting Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
121KBG2SV00	1/4"	5	11	VITON	100	7/2	2.0

2/2 - 2/3 Valves For General Purpose - Direct Operated & Magnalift



3/2 Normally Closed, Direct Acting Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
131KBG2LV00	1/4"	3	3	VITON	100	7	2.0

3/2 Normally Closed, Magnalift Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
221G15	1/2"	15	65	NBR	75	16/0	2.0
221G16	3/4"	15	80	NBR	75	16/0	2.0
221G21	1"	25	175	NBR	75	16/0	2.0
221G23	3/8"	15	65	FKM	100	16/0	2.0
221G25	1/2"	15	65	FKM	100	16/0	2.0
221G26	3/4"	15	80	FKM	100	16/0	2.0
221G27	1"	15	80	FKM	100	16/0	2.0

For more compatible coils, see page 31 >Accessories

NAMUR - Valves



AIR



High Flow 1/4" NAMUR valve, single solenoid, IP65 – AL body							
Part Number	Config	Port Size G	Orifice mm	Kv U/min	Seal Material	Max Temp C	Pressure Rating (BAR)
2341N0120	3/2 or 5/2	1/4"	4	600	NBR	80	1.5 - 10

High Flow 1/4" NAMUR valve, single solenoid, IP65 – AL body							
Part Number	Config	Port Size G	Orifice mm	Kv U/min	Seal Material	Max Temp C	Pressure Rating (BAR)
BPKAD6JNC2	3/2 or 5/2	1/4"	4	600	NBR	80	2-10

High Flow 1/4" NAMUR valve, single solenoid, IP65 – AL body	
Part No.	Voltage
496593C2	24VDC
4965933D	230VAC
48104340 (25 pcs)	DIN PLUG

Accessories



9 watt, IP65, DIN Coil			14W, IP65, DIN, high temp		9 watt, IEC Ex d mb IIC, T4, DIN Coil		
Part Number	Coil Type	Voltage	Part Number	Coil Type	Part Number	Coil Type	Voltage
4827253D	2.0	230VAC	492727F4	2.2	495905F4	2.0	230VAC
482725C2	2.0	24VDC	492727C2	2.2	495905C2	2.0	24VDC
482725A2	2.0	24VAC	492727A2	2.2	495905A2	2.0	24VAC
482725A5	2.0	110VAC	492727A5	2.2	495905A5	2.0	110VAC
482725C1	2.0	12VDC	492727C1	2.2	495905C1	2.0	12VDC
482725C4	2.0	48VDC	492727C4	2.2	495905C4	2.0	48VDC
482725C5	2.0	110VDC	492727C5	2.2	495905C5	2.0	110VDC



9 watt, IP20, Screw Terminal Coils			Housing For Screw Terminal Coils	
Part Number	Coil Type	Voltage	Part Number	Description
481000C1	2.0	12VDC	48427020	Protection IP44
481000C2	2.0	24VDC	48453820	Protection IP67
481000C4	2.0	48VDC	-	-
481000C5	2.0	110VDC	-	-
481000A2	2.0	24VAC	-	-
481000A4	2.0	48VAC	-	-
4810000A	2.0	115VAC	-	-
4810003D	2.0	240VAC	-	-



DIN Plugs	
Part Number	Description
48104340 (25 pcs)	Standard 22mm Connector
48658640 (25 pcs)	Standard 32mm Connector

Angle Body Piston Valves



2-way, normally CLOSED, BSP, 316L St/St valves, flow over seat, for steam and gas

Part Number	Thread BSPP	Orifice mm	Kv l/min	Seal Material	Max Temp C	dp (BAR) min/max	Pilot Pressure (Bar)
PA15S1G4R040S	1/2"	13	78	PTFE	180	0-16	3.5-10
PA20S1G5R050S	3/4"	18	150	PTFE	180	0-16	3.5-10
PA25S1G6R050S	1"	24	267	PTFE	180	0-16	4.5-10
PA32S1G7R063S	1-1/4"	31	400	PTFE	180	0-16	4.5-10
PA40S1G8R063S	1-1/2"	35	549	PTFE	180	0-16	4.5-10
PA50S1G9R080S	2"	45	881	PTFE	180	0-16	5-10
PA65S1GTR100S	2-1/2"	65	1369	PTFE	180	0-16	5-10

2-way, normally CLOSED, BSP, 316L St/St valves, flow under seat, for liquids and anti water hammer

Part Number	Thread BSPP	Orifice mm	Kv l/min	Seal Material	Max Temp C	dp (BAR) min/max	Pilot Pressure (Bar)
PA15SAG4R050S	1/2"	13	78	PTFE	180	0-16	4.5-10
PA20SAG5R050S	3/4"	18	150	PTFE	180	0-10	4.5-10
PA25SAG6R063S	1"	24	267	PTFE	180	0-8	4.5-10
PA32SAG7R080S	1-1/4"	31	400	PTFE	180	0-11	4-10
PA40SAG8R080S	1-1/2"	35	549	PTFE	180	0-8	4-10
PA50SAG9R100S	2"	45	881	PTFE	180	0-9	4-10

2-way, normally CLOSED, BSP, Aluminium Actuator with 304 SS valves

Part Number	Thread BSPP	Orifice mm	Kv l/min	Seal Material	Max Temp C	dp (BAR) min/max	Pilot Pressure (Bar)
PA15S1G4S040A	1/2"	13	78	PTFE	180	0-16	3-10
PA20S1G5S050A	3/4"	18	150	PTFE	180	0-16	3-4
PA25S1G6S050A	1"	24	267	PTFE	180	0-16	3-5.5
PA32S1G7S063A	1-1/4"	31	400	PTFE	180	0-16	3-5.5
PA40S1G8S063A	1-1/2"	35	549	PTFE	180	0-16	3-6.5
PA50S1G9S080A	2"	45	881	PTFE	180	0-16	3-6.6
PA65S1GTS100A	2-1/2"	65	1369	PTFE	180	0-16	3-6

2-way, normally CLOSED, BSP, Aluminium Actuator with 304 SS valves, anti hammer

Part Number	Thread BSPP	Orifice mm	Kv l/min	Seal Material	Max Temp C	dp (BAR) min/max	Pilot Pressure (Bar)
PA15SAG4S050A	1/2"	13	78	PTFE	180	0-16	4.5-10
PA20SAG5S050A	3/4"	18	150	PTFE	180	0-10	4.5-10
PA25SAG6S063A	1"	24	267	PTFE	180	0-8	4.5-10
PA32SAG7S080A	1-1/4"	31	400	PTFE	180	0-11	4-10
PA40SAG8S100A	1-1/2"	35	549	PTFE	180	0-16	4-10
PA50SAG9S100A	2"	45	1369	PTFE	180	0-9	4-10

Operating Information:

- Working Pressure:**
- Plastic bowl: 10 bar max
 - Metal bowl: 17 bar max
- Working Temperature:**
- Plastic bowl: -10°C to +52°C
 - Metal bowl: -10°C to +65.5°C

* Refer to Technical Catalogue for individual unit temperatures

Flow characteristics:

- 40mm body width
1/4" Ported:**
- Flow dm3/s
 - Filter 12
 - Coalescing Filter 2
 - Regulator 30
 - Filter Regulator 14
 - Lubricator 13

- 60mm body width
1/4", 3/8" & 1/2" Ported:**
- Flow dm3/s
 - Filter 38
 - Coalescing Filter 11
 - Regulator 67
 - Filter Regulator 64
 - Lubricator 47

- 73mm body width
1/2", 3/4" Ported:**
- Flow dm3/s
 - Filter 48
 - Coalescing Filter 20
 - Regulator 100
 - Filter Regulator 98
 - Lubricator 68

- Features:**
- High flow modular air-preparation series.
 - Space saving integral gauge (P31 size only).
 - Manifold style regulators available.
 - OSHA compliant shut-off valves.



Popular Combination - P31 Series



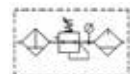
Filter + Regulator + Lubricator Combinations + Poly bowl
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.



Part Number	Weight	Part Number	Weight	Port size	Flow	
		Pulse Drain			dm3/s	(scfm)
P31CB22GEMN6LNW	0.46 kg	P31CB22GEBN6LNW	0.46 kg	1/4"	13	27



Filter/Regulator + Lubricator Combinations + Poly bowl
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.

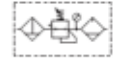


Part Number	Weight	Part Number	Weight	Port size	Flow	
		Pulse Drain			dm3/s	(scfm)
P31CA22GEMN6LNW	0.35 kg	P31CA22GEBN6LNW	0.35 kg	1/4"	14	28

1 Popular Combination - P32 Series



Filter + Regulator + Lubricator Combinations + Poly bowl
 5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.



Part Number	Weight	Part Number	Weight	Port size	Flow	
					Manual Drain	Auto Drain
P32CB23GEMNGLNW	1.29 kg	P32CB23GEANGLNW	1.29 kg	3/8"	32	68
P32CB24GEMNGLNW	1.29 kg	P32CB24GEANGLNW	1.29 kg	1/2"	40	85



Filter/Regulator + Lubricator Combinations + Poly bowl
 5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.

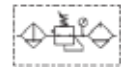


Part Number	Weight	Part Number	Weight	Port size	Flow	
					Manual Drain	Auto Drain
P32CA23GEMNGLNW	1.03 kg	P32CA23GEANGLNW	1.03 kg	3/8"	33	70
P32CA24GEMNGLNW	1.03 kg	P32CA24GEANGLNW	1.03 kg	1/2"	43	90

Popular Combination - P32 Series



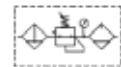
Filter + Regulator + Lubricator Combinations + Poly bowl
 5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.



Part Number	Weight	Part Number	Weight	Port size	Flow	
					Manual Drain	Auto Drain
P33CB26GEMNGLNW	1.84 kg (4.06 lbs)	P33CB26GEANGLNW	1.84 kg (4.06 lbs)	3/4"	52	110



Filter/Regulator + Lubricator Combinations + Poly bowl
 5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets
 Inlet pressure 10 bar, Secondary pressure 6.3 bar, 1 bar pressure drop.



Part Number	Weight	Part Number	Weight	Port size	Flow	
					Manual Drain	Auto Drain
P33CA26GEMNGLNW	1.51 kg (3.33 lbs)	P33CA26GEANGLNW	1.51 kg (3.33 lbs)	3/4"	71	150

Filter & Regulators



Filters - 5 µm

Part Number	Port	Description
P31FA2EGMN	1/4"	Poly bowl - Manual drain
P31FA2EGBN	1/4"	Poly bowl - Pulse drain
P32FA23EGMN	3/8"	Poly bowl - Manual drain
P32FA23EGAN	3/8"	Poly bowl - Auto drain
P32FA24EGMN	1/2"	Poly bowl - Manual drain
P32FA24EGAN	1/2"	Poly bowl - Auto drain
P33FA26EGMN	3/4"	Poly bowl - Manual drain
P33FA26EGAN	3/4"	Poly bowl - Auto drain

Regulators

Part Number	Port	Description
P31RA22BNNP	1/4"	8 bar relieving
P32RA23BNNP	3/8"	8 bar (125 psi) Relieving
P32RA24BNNP	1/2"	8 bar (125 psi) Relieving
P33RA26BNNP	3/4"	8 bar (125 psi) Relieving

Filter Regulators - (P31) pressures 2 & 4 bar (P32/P33) pressures 2, 4 & 17 bar are available.

Part Number	Port	Description
P31EA22EGMBNGP	1/4"	8 bar (125 psi) Relieving - Poly bowl - Manual drain
P31EA22EGBBNGP	1/4"	8 bar (125 psi) Relieving - Poly bowl - Pulse drain
P32EA23EGMBNGP	3/8"	8 bar (125 psi) Relieving - Poly bowl - Manual drain
P32EA23EGABNGP	3/8"	8 bar (125 psi) Relieving - Poly bowl - Auto drain
P32EA24EGMBNGP	1/2"	8 bar (125 psi) Relieving - Poly bowl - Manual drain
P32EA24EGABNGP	1/2"	8 bar (125 psi) Relieving - Poly bowl - Auto drain
P33EA26EGMBNGP	3/4"	8 bar (125 psi) Relieving - Poly bowl - Manual drain
P33EA26EGABNGP	3/4"	8 bar (125 psi) Relieving - Poly bowl - Auto drain



Lubricator & Gauges



Lubricators

Part Number	Port	Description
P31LA22LGNN	1/4"	Poly bowl - No drain
P32LA23LGNN	3/8"	Poly bowl - No drain
P32LA24LGNN	1/2"	Poly bowl - No drain
P33LA26LGNN	3/4"	Poly bowl - No drain

Gauges

Part Number	Series	Description
K4515R1411B	P31	40mm Round Gauge 0-160 psi / 0-10 bar 1/8"
K4520R1411B	P32 / 33	50mm Round Gauge 0-160 psi / 0-10 bar 1/4"

Bracket & Body Connector

C-Bracket

(Fits to filter and lubricator body)

Part Number	Series
P31KA00MW	P31

T-Bracket

(Fits to body connector or port block)

Part Number	Series
P32KA00MB	P32
P32KA00MB	P33

T-Bracket w / Body Connector

Part Number	Series
P31KA00MT	P31
P32KA00MT	P32
P32KA00MT	P33

L-Bracket

(Fits to filter and lubricator body)

Part Number	Series
P32KA00ML	P32
P33KA00ML	P33

Angle Bracket

(Fits to regulator and filter/regulator)

Part Number	Series
P31KA00MR	P31
P32KA00MR	P32
P33KA00MR	P33

Panel mounting nut

(Aluminium)

Part Number	Series
P31KA00MM	P31
P32KA00MM	P32
P33KA00MM	P33

Body Connector

O' ring kit - Pack of 5

Part Number	Series
P31KA00CY	P31
P32KA00CY	P32

Body Connector


Part Number	Series
P31KA00CB	P31
P32KA00CB	P32
P32KA00CB	P33

Operating Information:
Working Pressure:



- **Shuttle valve •••005**
Working pressure 1,3 - 17 bar
Working temperature;
Standard -10 °C to +80 °C
- **Quick exhaust valve P4Q**
Working pressure: 0,2 - 10 bar
Working temperature;
Standard: -10 °C to +80 °C
- **VB**
Working pressure Max 10 bar
Working temperature -20 °C to +70 °C
- **PWA-L**
Working pressure 0,2 - 10 bar
Working temperature; -15 °C to +60 °C


Features:



- **Quick Exhaust Valves**
 - Increases piston speeds, super sensitive diaphragm.
 - May be used as differential shuttle valve.
- **Shuttle Valves**
 - Allows two separate signals to be applied to the air pilot.
 - 0,6 bar differential, Viton seals as standard.
- **Non Return Valves**
 - Aluminium or polymer bodies
 - Compact

Shuttle Valves		
Part Number	Symbol	Port Size
M33005		M5
B43005B		G1/8
B53005A		G1/4
B53005BS5		G1/4 (-40°C)

Non Return Valves - Aluminium VB Series		
Part Number	Symbol	Port Size
VB12-Q-NQ-5		G1/8
VB22-Q-NQ-5		G1/4
VB42-Q-NQ-5		G1/2
VB42-S50897 (Viton - dry assembly)		G1/2

Quick Exhaust Valves P4Q Series		
Part Number	Symbol	Standard Version
P4Q-BA12		G1/4
P4Q-BA13		G3/8
P4Q-CA14		G1/2
P4Q-CA16		G3/4
High Temperature Version (Flurocarbon diaphragm)		
P4Q-BV13		G3/8
P4Q-CV14		G1/2
P4Q-CV16		G3/4

Line mounted non-return valves			
Part Number	Symbol	Push-in connection Ø, mm	Flow rate 6 bar, l/s
PWA-L1444		4	3,33
PWA-L1466		6	11,00
PWA-L1488		8	26,67

Flow control valves with by-directional control					Knob and nut for panel mounting		
Part Number	Symbol	Thread	Number of turns	Qmax input at 6 bar, l/min	Part Number	Symbol	To Suit
VQB12-OX-5 *		G1/8	13	72	9128177212		VQB12
VQB12-O-5		G1/8	13	240	9128177222		VQB22
VQB22-O-5		G1/4	13	1320	9128177242		VQB42
VQB42-O-5 **		G1/2	13	3600	-		

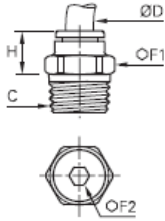
* Extra fine adjustment
** Low operating temp -40°C

1 3175 - Stud Fitting, Male BSPT Thread

PNEUMATICS



Nickel-plated brass, NBR

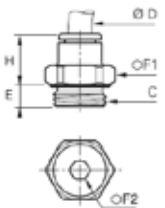


Part Number	φD	C	F1	F2	H	kg
3175 04 10	4	R1/8	10	3	9.5	0.005
3175 04 13		R1/4	14	3	6.5	0.012
3175 04 17		R3/8	17	3	8	0.024
3175 06 10	6	R1/8	10	4	11.5	0.005
3175 06 13		R1/4	14	4	8.5	0.011
3175 06 17		R3/8	17	4	8.5	0.022
3175 06 21	8	R1/2	21	4	9	0.043
3175 08 10		R1/8	13	5	20	0.011
3175 08 13		R1/4	14	6	17	0.014
3175 08 17	10	R3/8	17	6	13	0.021
3175 08 21		R1/2	21	6	12	0.040
3175 10 13		R1/4	16	7	20	0.017
3175 10 17	12	R3/8	17	8	16.5	0.019
3175 10 21		R1/2	21	8	14	0.037
3175 12 13		R1/4	19	7	26.5	0.029
3175 12 17	12	R3/8	19	9	24	0.028
3175 12 21		R1/2	21	10	19.5	0.036

Pre-coated thread

3101 - Stud Fitting, Male BSPP and Metric Thread


Nickel-plated brass, NBR

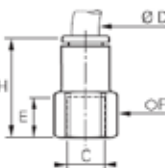


Part Number	φD	C	E	F1	F2	H
3101 04 09*	4	M3x0.5	2.5	8	-	14.5
3101 06 19	6	M5x0.8	3	11	2.5	16

*Bi-material O ring seal

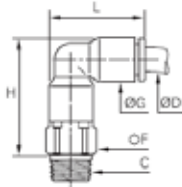
3114 - Stud Fitting, Female BSPP and Metric Thread


Nickel-plated brass, NBR



Part Number	φD	C	E	F	H	kg
3114 04 10	4	G1/8	9.5	13	22.5	0.010
3114 04 13		G1/4	13.5	16	26.5	0.015
3114 06 10		6	G1/8	9.5	13	24.5
3114 06 13	G1/4		13.5	16	28.5	0.017
3114 08 10	8		G1/8	9.5	13	29
3114 08 13		G1/4	13.5	16	33	0.021
3114 08 17		G3/8	14	19	34	0.025
3114 10 13	10	G1/4	13.5	16	36	0.027
3114 10 17		G3/8	14	19	36	0.027
3114 10 21		G1/2	19.5	24	41.5	0.048
3114 12 17	12	G3/8	14	19	40	0.033
3114 12 21		G1/2	19.5	24	45.5	0.052

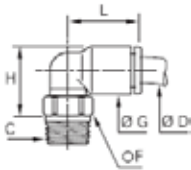
3129 - Extended Stud Elbow, Male BSPT Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	F	G	H	L	kg
3129 06 10	6	R1/8	10	10.5	27	22.5	0.010
3129 06 13		R1/4	14	10.5	27.5	22.5	0.020
3129 08 10	8	R1/8	13	13.5	34.5	29.5	0.018
3129 08 13		R1/4	14	13.5	32.5	29.5	0.022

 Pre-coated thread
The body swivels for positioning purposes.

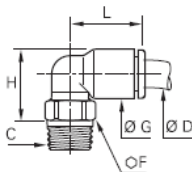
3109 - Stud Elbow, Male BSPT Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	F	G	H	L	kg
3109 04 10	4	R1/8	10	8.5	13.5	14	0.006
3109 04 13		R1/4	14	8.5	14	14	0.015
3109 06 10	6	R1/8	10	10.5	15.5	16	0.006
3109 06 13		R1/4	14	10.5	16	16	0.015
3109 06 17		R3/8	17	10.5	16	16	0.019
3109 06 21		R1/2	21	10.5	16.5	16	0.034
3109 08 10	8	R1/8	10	13.5	19	23	0.007
3109 08 13		R1/4	14	13.5	18	23	0.014
3109 08 17		R3/8	17	13.5	18	23	0.018
3109 08 21		R1/2	21	13.5	19.5	23	0.033
3109 10 10	10	R1/8	15	16	23	26.5	0.012
3109 10 13		R1/4	15	16	22	26.5	0.014
3109 10 17		R3/8	17	16	22	26.5	0.019
3109 10 21		R1/2	21	16	22	26.5	0.031
3109 12 13	12	R1/4	15	19	25	31	0.016
3109 12 17		R3/8	17	19	25	31	0.022
3109 12 21		R1/2	21	19	25	31	0.033

 Pre-coated thread
The body swivels for positioning purposes.

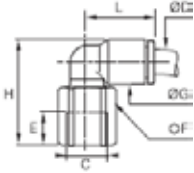
3199 - Stud Elbow, Male BSPP and Metric Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	E	F	G	H	L	kg
3199 04 19	4	M5x0.8	3.5	8	8.5	13.5	14	0.002
3199 06 19	6	M5x0.8	3.5	8	10.5	15.5	16	0.003

 The body swivels for positioning purposes.
*Bi-material seal

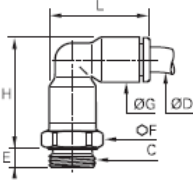
1 3192 - Stud Elbow, Female BSPP Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	E	F	G	H	L	kg
3192 04 13	6	G1/4	11.5	16	8.5	27	14	0.017
3192 06 10		G1/8	8.5	13	10.5	25	16	0.010
3192 06 13		G1/4	11.5	16	10.5	29	16	0.017
3192 08 10	8	G1/8	8.5	13	13.5	28	23	0.012
3192 08 13		G1/4	11.5	16	13.5	32	23	0.020
3192 08 17		G3/8	12	19	13.5	33	23	0.026

The body swivels for positioning purposes.

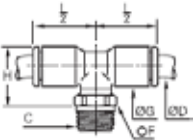
3169 - Extended Stud Elbow, Male BSPP and Metric Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	E	F	G	H	L	kg
3169 04 19	4	M5x0.8	3.5	8	8.5	23	19	0.005
3169 06 19	6	M5x0.8	3.5	10	10.5	27.5	23	0.008

The body swivels for positioning purposes.

3108 - Stud Branch Tee, Male BSPT Thread

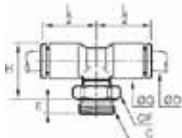
 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	F	G	H	L/2	kg
3108 04 10	4	R1/8	10	8.5	15.5	14	0.006
3108 04 13		R1/4	14	8.5	16	14	0.015
3108 06 10	6	R1/8	10	10.5	17.5	16	0.007
3108 06 13		R1/4	14	10.5	18	16	0.016
3108 08 10	8	R1/8	10	13.5	22	23	0.009
3108 08 13		R1/4	14	13.5	21	23	0.016
3108 08 17		R3/8	17	13.5	21	23	0.020
3108 10 13	10	R1/4	15	16	24	26.5	0.017
3108 10 17		R3/8	17	16	24	26.5	0.022
3108 10 21	12	R1/2	21	16	24	26.5	0.033
3108 12 13		R1/4	15	19	27	31	0.021
3108 12 17		R3/8	17	19	27	31	0.026
3108 12 21	R1/2	21	19	27	31	0.037	

Pre-coated thread

The body swivels for positioning purposes.

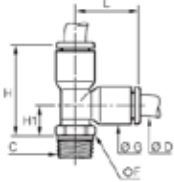
3198 - Stud Branch Tee, Male BSPP and Metric Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	φD	C	E	F	G	H	L/2	kg
3198 04 19	4	M5x0.8	3.5	8	8.5	17.5	14	0.003
3198 06 19	6	M5x0.8	3.5	8	10.5	19.5	16	0.004

The body swivels for positioning purposes.

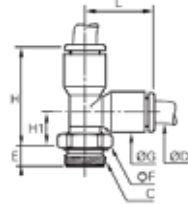
3103 - Stud Run Tee, BSPT Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	ϕD	C	F	G	H	H1	L	kg
3103 06 10	6	R1/8	10	10.5	27.5	10	17.5	0.007
3103 06 13		R1/4	14	10.5	28	10.5	17.5	0.016
3103 08 10	8	R1/8	10	13.5	35	12	23	0.009
3103 08 13		R1/4	14	13.5	34	11	23	0.015

Pre-coated thread
The body swivels for positioning purposes.

3193 - Stud Run Tee, Male BSPP and Metric Thread

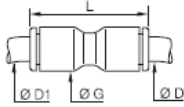
 Technical polymer,
nickel-plated brass, NBR


Part Number	ϕD	C	E	F	G	H	H1	L	kg
3193 04 19	4	M5x0.8	3.5	8	8.5	26	11.5	14.5	0.003
3193 06 19	6	M5x0.8	3.5	8	10.5	29.5	12.5	17.5	0.004

The body swivels for positioning purposes.

3106 - Equal and Unequal Tube-to-Tube Connector

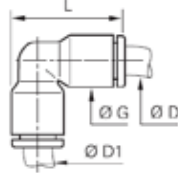
Technical polymer, NBR



Part Number	φD	φD1	G	L	kg
3106 04 00	4	4	8.5	25	0.001
3106 04 06		6	11	28	0.002
3106 04 08		8	13.5	38	0.005
3106 06 00	6	6	10.5	28.5	0.002
3106 06 08		8	13.5	38	0.005
3106 06 10		10	16	42	0.007
3106 08 00	8	8	13.5	38	0.004
3106 08 10		10	16	42	0.008
3106 08 12		12	19	50.5	0.026
3106 10 00	10	10	16	42	0.006
3106 12 00	12	12	19	50.5	0.009

3102 - Equal and Unequal Elbow

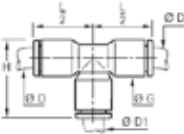
Technical polymer, NBR



Part Number	φD	φD1	G	L	kg
3102 04 00	4	4	8.5	19	0.001
3102 04 06		6	10.5	22.5	0.004
3102 06 00	6	6	10.5	22.5	0.002
3102 06 08		8	13.5	29.5	0.009
3102 08 00	8	8	13.5	29.5	0.004
3102 08 10		10	16	34.5	0.031
3102 10 00	10	10	16	34.5	0.006
3102 10 12		12	19	40.5	0.022
3102 12 00	12	12	19	40.5	0.010

3104 - Equal and Unequal Tee

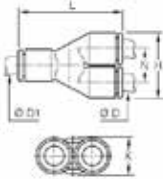
Technical polymer, NBR



Part Number	φD	φD1	G	H	L/2	kg
3104 04 00	4	4	8.5	19	14.5	0.002
3104 04 06		6	10.5	22.5	17.5	0.007
3104 06 04	6	4	10.5	22.5	17.5	0.005
3104 06 00		6	10.5	22.5	17.5	0.003
3104 06 08		8	13.5	29.5	23	0.015
3104 08 06	8	6	13.5	29.5	23	0.010
3104 08 00		8	13.5	29.5	23	0.006
3104 08 10		10	16	34.5	26.5	0.021
3104 10 08	10	8	16	34.5	26.5	0.014
3104 10 00		10	16	34.5	26.5	0.009
3104 10 12		12	19	40.5	31	0.036
3104 12 10	12	10	19	40.5	31	0.024
3104 12 00		12	19	40.5	31	0.014

3140 - Equal and Unequal Single Y Piece

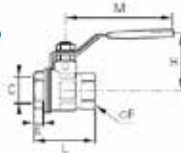
Technical polymer, NBR



Part Number	φD	φD1	H	K	L	N	kg
3140 04 00	4	4	17.5	8.5	28.5	9	0.002
3140 06 00	6	6	21.5	10.5	35	11	0.003
3140 08 00	8	8	28	13.5	45	14.5	0.007
3140 10 00	10	10	33	16	53	17	0.010
3140 12 00	12	12	39	19	57	17	0.028

Standard Series
4902 - 2/2 Standard In-Line Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

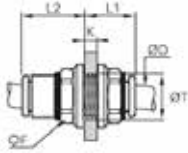


Part Number	C	DN	PN	E	F	H	L	M	kg
4902 10 13	G1/4	10	30	11	20	43	51.5	98	0.154
4902 10 17	G3/8	10	30	11.4	20	43	51.5	98	0.138
4902 15 21	G1/2	15	30	13.5	25	47	55	98	0.202
4902 20 27	G3/4	20	30	12.5	31	58	57.5	122	0.322
4902 25 34	G1	25	30	15	38	60	69.5	122	0.468
4902 32 42*	G1 ^{1/4}	32	25	17	48	77	81.5	153	0.794
4902 40 49*	G1 ^{1/2}	40	25	18	54	83	95	153	1.082
4902 50 48*	G2	50	25	22	66	95	113	162	1.787

*Models with CE marking
 Model from 21/4 double stem seal FPM
 Working Temperature -40°C to +170°C

1 3116 - Equal Bulkhead Connector

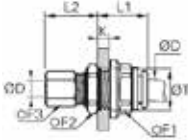
Nickel-plated brass, NBR



Part Number	φD	F	K max	L1	L2	φT min	kg
3116 04 00	4	13	5.5	15	10	10.5	0.003
3116 06 00	6	15	8.5	18	10.5	12.5	0.004
3116 08 00	8	18	14.5	25	13.5	15.5	0.007
3116 10 00	10	22	14.5	27.5	15.5	18.5	0.015
3116 12 00	12	26	18.5	33	18	22.5	0.019

3146 - Equal Mixed Bulkhead Connector

Nickel-plated brass, NBR

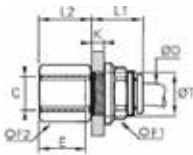


Part Number	φD	F1	F2	F3	K max	L1	L2	φT min	kg
3146 06 00	6	15	17	13	8	19	18	12.5	0.029
3146 10 00	10	22	22	19	8.5	23	24.5	18.5	0.065
3146 12 00	12	26	25	22	8.5	27	25	22.5	0.096

Push-in connection with compression fitting.

3136 - Bulkhead Connector, Female BSPP Thread

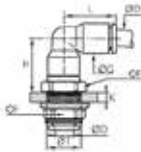
Nickel-plated brass, NBR



Part Number	φD	C	E	F1	F2	K max	L1	L2	φT min	kg
3136 06 10	6	G1/8	9.5	15	15	8	19	10.5	12.5	0.020
3136 06 13		G1/4	13.5	15	17	7	19	15.5	12.5	0.027
3136 06 17		G3/8	12	15	22	8	19	16	12.5	0.041

3139 - Equal Bulkhead Elbow

Technical polymer, nickel-plated brass, NBR



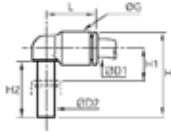
Part Number	φD	F	G	H	K max	L	φT min	kg
3139 04 00	4	13	8.5	17	6.5	14.5	10.5	0.014
3139 06 00	6	15	10.5	19.5	7	17.5	12.5	0.021
3139 08 00	8	18	13.5	24	8	23	15.5	0.032
3139 10 00	10	22	16	28	8.5	26	18.5	0.050
3139 12 00	12	26	19	33	8.5	31	22.5	0.086

The body swivels for positioning purposes.

PNEUMATICS

3182 - Equal and Unequal Plug-In Elbow

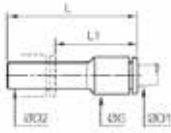
Technical polymer, NBR



Part Number	φD1	φD2	G	H	H1	H2	L	kg
3182 04 00	4	4	8.5	23	6	15.5	14	0.001
3182 06 00	6	6	10.5	26.5	7	17	16	0.001
3182 08 00	8	8	13.5	33.5	8	21.5	23	0.003
3182 10 00	10	10	16	39	10	24.5	26.5	0.004
3182 12 00	12	12	19	45.5	10.5	27.5	31	0.007

3166 - Plug-In Reducer

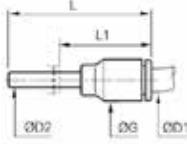
Technical polymer, NBR



Part Number	φD1	φD2	G	L	L1	kg
3166 06 08		8	10.5	37.5	20	0.001
3166 06 10	6	10	10.5	38	17.5	0.002
3166 06 12		12	14.5	46	23	0.005
3166 08 10		10	13.5	49	28.5	0.003
3166 08 12	8	12	13.5	49	24.5	0.004
3166 10 12	10	12	21.5	56.5	33.5	0.006

3168 - Plug-In Increaser

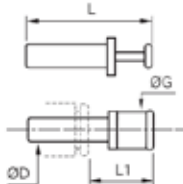
Technical polymer, NBR



Part Number	φD1	φD2	G	L	L1	kg
3168 06 04	6	4	10.5	35	23	0.001
3168 08 06	8	6	13.5	45	31.5	0.003

3126 - Blanking Plug

Technical polymer



Part Number	φD	G	L	L1	kg
3126 04 00	4	4	30	15.5	0.001
3126 06 00	6	8	33	16.5	0.001
3126 08 00	8	10	35	17.5	0.001
3126 10 00	10	12	42	21	0.002
3126 12 00	12	14	45	22	0.003

*Nickel-plated brass

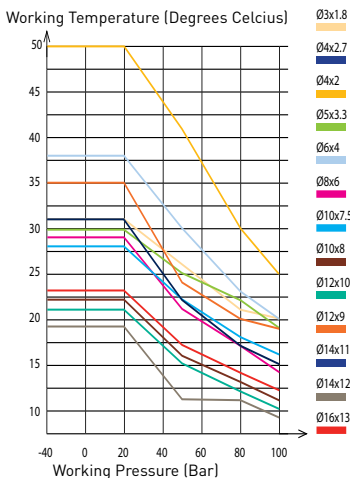
- Description:**
- Tried-and-tested for industrial or vehicle applications, PA tubing guarantees excellent durability due to its stable long-term mechanical properties. Parker Legris's special grade of semi-rigid polyamide is manufactured according to our Eco-Design approach for higher performance.
- Operating Information:**
- Tubing**
- Semi-Rigid PA
 - Rigid PA
- Compatible Fluids**
- Compressed air, other fluids
 - Compressed air, lubricants, other fluids
- Working Pressure:**
- Vacuum to 50 bar
 - Vacuum to 58 bar
- Working Temperature:**
- -40°C to +100°C
 - -40°C to +80°C
- Component Materials:**
- Bio-based polyamide (68 shoreD)
 - Polyamide (65 shoreD)
- Applications:**
- Packaging, Tooling, Compressed Air, Motion Technologies, Robotics, Industrial Machinery.

- Features:**
- Tried-&-Tested Material**
- Good chemical and humidity resistance.
 - Excellent material stability (mechanical and chemical).
 - Continuous calibration during production for excellent reliability.
 - Two material grades: rigid and semi-rigid.
 - Bio-based semi-rigid material.
- Versatility & Performance**
- Wide range of working pressure and temperature.
 - Good vibration absorption.
 - Abrasion-resistant.
 - Remaining lengthmarking.
 - Large choice of colours to facilitate circuit identification.
 - Silicone-free.

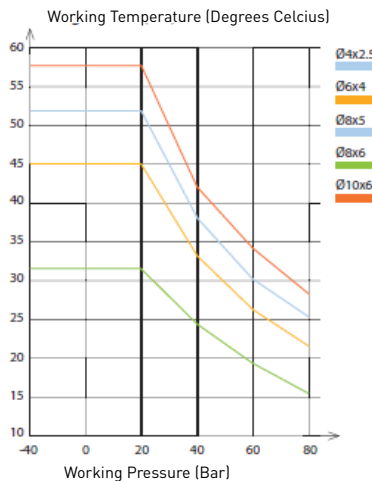


Performance of PA Tubing

Semi-Rigid



Rigid



Tube O.D.	Tube O.D. Tolerance
3 to 5 mm	+0.05 / -0.08
6 to 16 mm	+0.05 / -0.10

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing in accordance with NF E49-100.

PA Tubing

1025P Semi-Rigid Polyamide (PA) Tubing

Tubepack® 25 m

Part Number	Part Number	O.D. (mm)	I.D. (mm)		kg
-	1025P03 04 18	3	1.8	6	0.020
1025P04 01	1025P04 04	4	2	10	0.318
1025P04 01 27	1025P04 04 27	4	2.7	10	0.254
1025P06 01	1025P06 04	6	4	15	0.535
1025P08 01	1025P08 04	8	6	25	0.748
1025P10 01 75	1025P10 04 75	10	7.5	42	1.135
1025P12 01 09	1025P12 04 09	12	9	47	1.769

Other colors available

1100P Semi-Rigid Polyamide (PA) Tubing

Tubepack® 100 m

Part Number	Part Number	O.D. (mm)	I.D. (mm)		kg
1100P04 01	1100P04 04	4	2	10	1.152
1100P04 01 27	1100P04 04 27	4	2.7	10	0.893
1100P06 01	1100P06 04	6	4	15	1.799
1100P08 01	1100P08 04	8	6	25	2.898
1100P10 01 75	1100P10 04 75	10	7.5	42	4.400
1100P12 01 09	1100P12 04 09	12	9	47	5.600

Other colors available

PU Tubing

1025U Polyurethane (PU) Ester Tubing

Tubepack® 25 m

Part Number	Part Number	O.D. (mm)	I.D. (mm)		kg
1025U03 01 18	-	3	1.8	8	0.020
1025U04 01	1025U04 04	4	2.5	10	0.310
1025U05 01	1025U05 04	5	3	13	0.522
1025U06 01	1025U06 04	6	4	15	0.591
1025U08 01	1025U08 04	8	5.5	20	0.971
1025U10 01	1025U10 04	10	7	25	1.467
1025U12 01	1025U12 04	12	8	35	2.406

Other colors available

1100U Polyurethane (PU) Ester Tubing

Tubepack® 100 m

Part Number	Part Number	O.D. (mm)	I.D. (mm)		kg
1100U04 01	1100U04 04	4	2.5	10	1.092
1100U05 01	1100U05 04	5	3	13	1.092
1100U06 01	1100U06 04	6	4	15	2.064
1100U08 01	1100U08 04	8	5.5	20	3.610
1100U10 01	1100U10 04	10	7	25	6.105
1100U12 01	1100U12 04	12	8	35	8.610

Inch tubing available upon request

Tube Cutting to the Required Length

- Cutting of your tubing upon request, from 5 cm to 3 m
- Precision +/- 3 mm
- Ideal for optimising your installation costs

*Other colors available on request

Accessories

Technical polymer

This tool is designed to give a clean cut at right angles to the tube axis for all resilient polymer tubing (polyamide, polyurethane, FEP, polyethylene, etc.) from 4 mm to 12 mm diameter inclusive. Replacement blades: part number 3000 71 00 05
A spring maintains the cutter in the closed position.

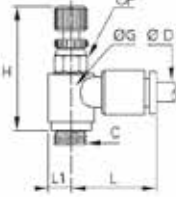

3000 71 00 Tube Cutter

Part Number	H	L	kg
3126 04 00	25	79	0.029

1

7660 - Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

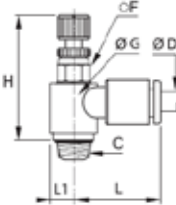
Technical polymer,
nickel-plated brass, NBR



Part Number	φD	C	F	G	H min	H max	L	L1	kg
7660 04 19	4	M5x0.8	6	9	23.5	26	17	4.5	0.006
7660 06 19	6	M5x0.8	6	9	23.5	26	18	4.5	0.007

7665 - Miniature Flow Regulator Exhaust, Male BSPT Thread

Technical polymer,
nickel-plated brass, NBR

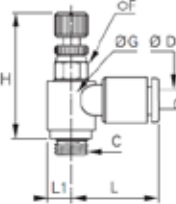


Part Number	φD	C	F	G	H min	H max	L	L1	kg
7665 04 10	4	R1/8	7	11.5	25	27.5	18	6	0.012
7665 06 10	6	R1/8	7	11.5	25	27.5	18.5	6	0.012
7665 06 13		R1/4	8	13.5	27.5	30	19	7	0.019
7665 06 17		R3/8	17	13.5	31.5	34	19	7	0.025
7665 08 10	8	R1/8	13	14	24	28.5	26	7	0.021
7665 08 13		R1/4	16	19	25	29	27.5	9.5	0.033
7665 08 17		R3/8	20	23	30	36	29	11.5	0.061

Pre-coated thread.

7669 - Miniature Flow Regulator Supply, Male BSPP and Metric Thread

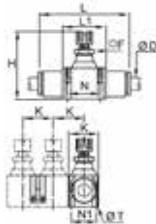
Technical polymer,
nickel-plated brass, NBR



Part Number	φD	C	F	G	H min	H max	L	L1	kg
7669 04 19	4	M5x0.8	6	9	23.5	26	17	4.5	0.006
7669 06 19	6	M5x0.8	6	9	23.5	26	18	4.5	0.007

7770 - In-Line One-Way Flow Regulator

Technical polymer,
nickel-plated brass, NBR



Part Number	φD	F	H min	H max	K	L	L1	N	N1	φT	kg
7770 04 00	4	5	29.5	33.5	12	63	15	11	8	2.2	0.010
7770 06 00	6	8	40.5	44.5	17	51	23	17	11	3.2	0.027
7770 08 00	8	11	46.5	52.5	18.5	58	26	20	12.5	3.2	0.048
7770 10 00	10	14	53	61	24	73	33	26	16	4.2	0.097
7770 12 00	12	14	59	67.5	28	85	35	27.5	20	4.2	0.132

PNEUMATICS

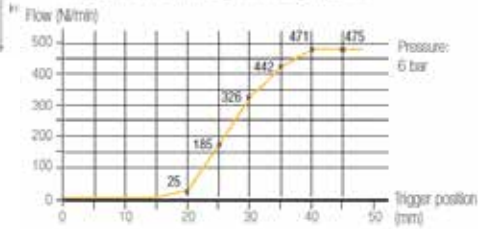
0659 - Standard Blowgun, Lower Connection with Short Angled Nozzle, Female BSPP Thread
1

 Technical polymer,
nickel-plated brass, NBR


Part Number	C	DN	F	H	L	kg
0659 00 13	G1/4	3.5	20	120	223	0.072

Nozzle: aluminium, NPT version available.

Progressive flow depending on the trigger position

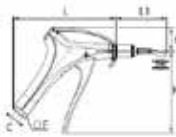


475 N/min

82 dBA

 OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

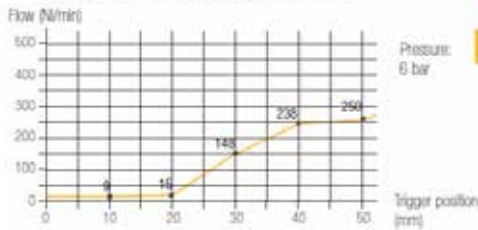
0654 - Safety Blowgun, Lower Connection, Female BSPP Thread

 Technical polymer,
nickel-plated brass, NBR


Part Number	C	DN	F	H	H1	L	L1	kg
0654 00 13	G1/4	3	20	117	35	148	73	0.189

Nozzle: nickel-plated brass, NPT version available.

Progressive flow depending on the trigger position


 Pressure:
6 bar

250 N/min

80 dBA

 OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
No ear defenders necessary

Description:

- Approx. 35% Air Consumption Reduction
- Possible to attach visible air blowgun
- Built-in pulse/continuous blow changeover button
- Blow efficiency up because of pulsed air
- With pulse frequency adjustment screw



How to connect air saver module to Air Blowgun



Air Saver Unit - HASV08R



Part Number	HASV08R
Operating Pressure	0.35 ~ 0.8MPa
Pulse frequency adjustment range	5 ~ 15 Hz
Body material	Aluminum
Port size	IN Rc1/4, OUT R1/4
Weight	155 g

	Lower Frequency	Higher Frequency
Pulse Frequency Setup	5 Hz	15 Hz
ON time	170 ms	35 ms
OFF time	30 ms	30 ms
Air reduction performance	20% reduction	40% reduction

Pulse/Continuous air blow changeover button

Pulse frequency adjustment screw

Pulse blow

Continuous blow



Pulse/Continuous blow change over button is mounted. When push the changeover button, pulse blow will change to continuous blow. Also, the button is locked when the button is turned 90 degree clockwise. Turn the button counterclockwise to the original point in order to change to pulse blow.

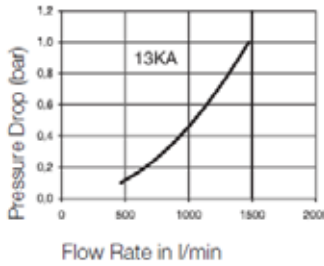
Pulse frequency is adjustable depending on types of work. Higher frequency of pulse is adjusted by pulse frequency adjustment button turned clockwise by flat-head screw driver. Lower frequency of pulse is adjusted the adjustment button turned counterclockwise.

- Description:**
- Robust brass coupling with Japanese industrial profile. Coupling system with single-hand operation. Above average flow volumes and structure resistant to the effects of external forces.
- Material of Construction:**
- Coupling: Brass nickel plated
 - Plug: Steel nickel plated
 - Seals: NBR
- Operating Information:**
- Working Temperature*:**
- -20°C up to +100°C (NBR) depending on the medium.
- * For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.
- Working Pressure*:**
- 35 bar
- ** maximum static working pressure with safety factor 4 to 1.
- Nominal Diameter:**
- 7,5 = 45 mm²
- Interchangeability:**
- Nitto-Kohki 200
 - Cejn 314
 - Cejn 315



Flow diagrams

Air



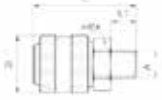


Coupling – with valve

Series 13KA

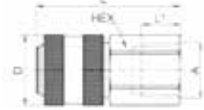
1

Male Thread



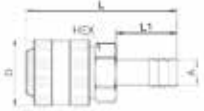
Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13KAAK13MPNS_07	R 1/4	22	49	12	27
13KAAK17MPNS_07	R 3/8	22	49	12	27
13KAAK21MPNS_07	R 1/2	22	53	17	27

Female Thread



Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13KAIW13MPNS_07	R 1/4	22	45	11	27
13KAIW17MPNS_07	R 3/8	22	45	11	27
13KAIW21MPNS_07	R 1/2	24	48	15	27

Hose Barb



with Plastic Hose Connection

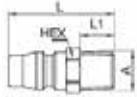
Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13KATF06MPNS_07	6 mm	21	62	25	27
13KATF08MPNS_07	8 mm	21	62	25	27
13KATF10MPNS_07	10 mm	21	62	25	27
13KATF13MPNS_07	13 mm	21	62	25	27



Plugs – without valve

Series 13KA

Male Thread



Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13SFAK13SXN	R 1/4	14	37	12	27
13SFAK17SXN	R 3/8	17	37	12	27
13SFAK21SXN	R 1/2	22	44	17	27

Female Thread



Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13SFIW13SXN	R 1/4	17	35,5	11	27
13SFIW17SXN	R 3/8	19	39	11	27
13SFIW21SXN	R 1/2	24	42,5	15	27

Hose Barb



with Plastic Hose Connection

Part Number	Connection A	HEX mm	L mm	L1 mm	D mm
13SFTF06SXN	6 mm	21	48	25	15
13SFTF08SXN	8 mm	21	48	25	15
13SFTF10SXN	10 mm	21	48	25	15
13SFTF13SXN	13 mm	21	48	25	15



Parker SSD Drives

Motors over consuming electricity? Pumps and hydraulic machinery suffering from mechanical stress? With Parker SSD Drives, you can take control of your system. They are fully adjustable to the features of your machines and reduce your operating costs.

- Description:**
 - The AC10 Compact Drive is a simple, reliable and economical solution to every-day motor control applications requiring speed and torque control. Having compact dimensions and features normally only associated with higher specification drives, including, sensorless vector mode for control of Permanent Magnet (PMAC) and AC induction motors.
- Operating Information:**
- Working Temperature:**
 - 0°C to +50°C
- Applications:**
 - Conveyor, Centrifuge, Fans, Mixers, Packaging Machines, Textile Machines, Strapping Machines, Labeling Machines, Industrial washing Machines, Machine Tool Spindles, Roller Doors
- Advantages:**
- Reliability:**
 - Proven technology and manufacturing techniques ensure AC10 has been engineered and built to deliver consistently outstanding level of performance day in, day out ensuring maximum uptime and productivity.
 - IP66 / NEMA 4x apply to IEC standard 60529-2004 and assess the capability of an enclosure to resist specific environmental conditions. Conformally coated PCBs to withstand even the most arduous class 3C3 environment.
- Versatility & Performance**
 - Extra power when it's needed
 - 150% overload for 60 seconds at 0.5Hz to provide extra starting torque for shifting high inertia loads.
 - Output power can be uprated for operation in lower ambient temperature
 - Up to 590 Hz output for high speed operations such as spindles, centrifuges, mixers etc.



Technical Characteristics

Electrical Characteristics

Power Supply	220 ... 240 VAC ±15 % Single Phase 220 ... 240 VAC ±15 % Three Phase 380 ... 480 VAC +10 % -15 % Three Phase
Rated Input Frequency	50/60 Hz
Maximum Switching Frequency	10 kHz without derating
Overload	150% of Rated Current for 60s, 200% for 2s
Output Frequency	0.5...590 Hz
Switching Frequency	2...10kHz selectable
Control Mode	Volts/Hertz or Sensorless Vector (SLV) Mode
Earth Leakage Current	>10 mA (all models)

Environmental Characteristics

Temperature range	Operating Temperature: 0...+50 °C (derate above 40 °C, IP20 only)
Humidity	Operating humidity: Below 90 % Relative Humidity, non-condensing
Vibration	Below 0.5 g
Altitude	1000 m ASL
Protection Degree	IP20 & IP66
Chemically Active Substances	For the standard product, compliance with EN60271-3-3 is Class 3C3

Standards and Compliance

European Certification	This product conforms with the Low Voltage Directive 2006/95/EC and Electro-Magnet Compatibility Directive 2004/108/EC. Compliant with European Standards EN 61800-5-1:2007 and EN 61800-3:2004+A1:2012 "Adjustable speed electrical power drive systems"
North American	PENDING: Complies with the NEC NFPA 70, Underwriters Laboratories (UL) Listed to UL508C
Canada	PENDING: Complies with the Canadian Electrical Code, Underwriters Laboratories (UL) Listed to CSA 22.2 No. 14

Technical Characteristics IP20 - Overview



Technical Characteristics IP20 - Overview

Power Supply	220 ... 240 VAC $\pm 15\%$ Single Phase 220 ... 240 VAC $\pm 15\%$ Three Phase 380 ... 480 VAC $+10\%$ -15% Three Phase
Input Frequency	50/60 Hz
Power Range	0.2...180 kW
Operating Temperature	0...40 °C
Analogue Inputs	1x (0-10V), 1x (0-10V, 0-5V, 0-20mA, 4-20mA)
Analogue Outputs	1x (0-10 V, 0-20 mA) frames 1-5 2x (0-10 V, 0-20 mA) frames 6-11
Digital Inputs	5x 24 VDC frames 1-5, 8x 24 VDC frames 6-11
Digital Outputs	1x 24 VDC frames 1-5 2x 24 VDC frames 6-11
Relay Output	1x 5 A @230 VAC

Technical Characteristics IP66 - Overview



Technical Characteristics IP66 - Overview

Power Supply	220 ... 240 VAC $\pm 15\%$ Single Phase 220 ... 240 VAC $\pm 15\%$ Three Phase 380 ... 480 VAC $+10\%$ -15% Three Phase
Input Frequency	50/60 Hz
Power Range	0.4...15 kW
Operating Temperature	0...50 °C
Analogue Inputs	1x (0-10V), 1x (0-10V, 0-5V, 0-20mA, 4-20mA)
Analogue Outputs	1x (0-10 V, 0-20 mA)
Digital Inputs	6x 24 VDC
Digital Outputs	1x 24 VDC
Relay Output	1x 5 A @230 VAC

Order Code

AC10 IP20

	1	2		3	4		5		6	7	
Order example	10	G	-	1	1	-	0015	-	B	N	
1	Device Family					6	Braking Module				
	10	AC10 IP20 Variable Speed Drive					B	Braking Module Fitted			
2	Industry					7	EMC Filter				
	G	General Purpose					N	No Filter Fitted			
3	Voltage						F	C3 EMC Filter Fitted			
	1	230 V Single Phase									
	3	230 V Three Phase									
	4	400 V Three Phase									
4&5	Frame Size & Rating										
	230 V Supply										
	1	0015	0.2 kW								
	1	0025	0.37 kW								
	1	0035	0.55 kW								
	1	0045	0.75 kW								
	2	0050	1.1 kW								
	2	0070	1.5 kW								
	2	0100	2.2 kW								
	400 V Supply										
	1	0006	0.2 kW								
	1	0010	0.37 kW								
	1	0015	0.55 kW								
	2	0020	0.75 kW								
	2	0030	1.1 kW								
	2	0040	1.5 kW								
	2	0065	2.2 kW								
	3	0080	3.0 kW								
	3	0090	4.0 kW								
	3	0120	5.5 kW								
	4	0170	7.5 kW								
	4	0230	11 kW								
	5	0320	15 kW								
	5	0380	18.5 kW								
	5	0440	22 kW								
	6	0600	30 kW								
	7	0750	37 kW								
	7	0900	45 kW								
	8	1100	55 kW								
	8	1500	75 kW								
	9	1800	90 kW								
	9	2200	110 kW								
	10	2650	132 kW								
	11	3200	160 kW								
	11	3600	180 kW								

Order Code

AC10 IP66

	1	2		3	4		5		6	7
Order example	16	G	-	1	1	-	0025	-	B	F

1	Device Family	
	16	AC10 IP66 Variable Speed Drive
2	Industry	
	G	General Purpose
3	Voltage	
	1	230 V Single Phase
	3	230 V Three Phase
	4	400 V Three Phase
4&5	Frame Size & Rating	
	230 V Supply	
	1 0025	0.4 kW
	1 0045	0.75 kW
	1 0070	1.5 kW
	1 0100	2.2 kW
	400 V Supply	
	1 0020	0.75 kW
	1 0040	1.5 kW
	1 0065	2.2 kW
	1 0080	3.0 kW
	1 0090	4.0 kW
	2 0120	5.5 kW
	2 0170	7.5 kW
	3 0230	11 kW
	3 0320	15 kW
6	Braking Module	
	B	Braking Module Fitted
7	EMC Filter	
	F	C3 EMC Filter Fitted



Engineered Materials



O-rings

- ┆ Kits & Accessories 62
- ┆ Sizing Cone & Tools 63
- ┆ Assembly Greases and Lubricants 64

Range Of Seals

- ┆ JIS & Metric Hydraulic Seal 66- 69
- ┆ AS Hydraulic Seal 70- 73
- ┆ Pneumatic Seal 75

Material Offering

- ┆ Material guide 76 - 80
- ┆ Sizing Chart 81 - 86

For more product offerings, please refer to:



Fluid Power Seal Design guide



Hydraulic Seals



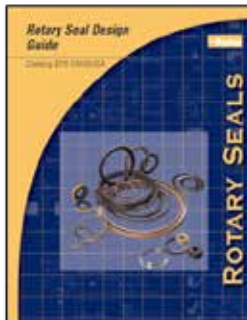
Metal Seal Design Guide



Parker O-Ring Material Offering guide



ProTech Bearing Isolators



Rotary Seal Design Guide



Pneumatic Seals

Description:

- The Parker O-ring kit is a complete “modular system” for the storage of just the O-rings you need, neatly sized and inventoried. If you are involved in plant maintenance, prototype work or engineering development...the modular O-ring kit will make your work easier...From Parker, naturally.

NBR(N0674-70) is our standard compound, also available in FKM-75, NBR-90 and FKM-90.

Features:

- Multiple sealing solutions for the same cost as a single OEM replacement part.
- Custom kits using any of the 200-plus compounds available.

Imperial Sizes O-rings



Part Number	Compound
PLSTC STD KIT N0552	485 O-rings in 37 imperial sizes.
PLSTC STD KIT N0674	
PLSTC STD KIT V0747	
PLSTC STD KIT V0709	

O-ring kit number 4



Part Number	Compound
370404N0674	382 O-rings in 30 imperial sizes.

O-ring kit number 5



Part Number	Compound
370405N0674	396 O-rings in 30 different JIS sizes.

O-ring kit number 6



Part Number	Compound
370406N0674	407 O-rings in 32 different imperial sizes.

O-ring kit number 7



Part Number	Compound
370407N0674	408 O-rings in 32 different metric sizes.

O-ring kit number 8



Part Number	Compound
N0552	212 O-rings in 20 imperial tube sizes 90 Duro O-rings

Description:

- An exclusive device for checking any samples O-ring up through 8 inches inside diameter to determine the nearest standard Parker 2- size.

O-Ring Sizing Cone & Tapes



Part Number

PLSTC SIZING CONE

Description:

- Two unique double ended brass tools that help to install or remove O-rings from the hydraulic or pneumatic cylinders or other equipment.

Features:

- Available in brass or plastic, with or without a convenient carrying case.

Brass Extraction Tool - O-ring Installation & Extraction



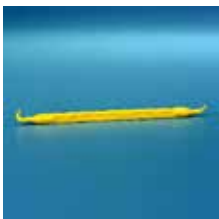
Part Number

BRASS EXTRACTION KIT

Features:

- Same function as the above except that it is made of plastic. It is designed not to damage the mating parts.

Plastic O-Ring Pick - O-ring Installation & Extraction



Part Number

PLSTC O-RING PICK

Description:

- A non-toxic barium base petroleum grease formulated to facilitate installation and extend the service life of the synthetic rubber seals with a -30 degree C to +120 degree C.

Features:

- Multiple sealing solutions for the same cost as a single OEM replacement part.
- Custom kits using any of the 200-plus compounds available.

O-Lube



Part Number	Compound
OLUBE 884-2GRAMS	2 gr. tube
OLUBE .25OZ	1/4 oz. tube
OLUBE 884-.50	1/2 oz. tube
OLUBE 884-2	2 oz. tube
OLUBE 884-35	35 lb. pail
OLUBE 884-400	400 lb. drum

Note: MSDS are available at www.parkerorings.com.

Description:

- A non-toxic base lubricant formulated to facilitate installation and extend service life of virtually any rubber polymer with a -55 degree C to +200 degree C temperature range.

Super O-Lube



Part Number	Compound
SLUBE 884-2GRAMS	2 gr. tube
SLUBE .25OZ	1/4 oz. tube
SLUBE 884-.50	1/2 oz. tube
SLUBE 884-2	2 oz. tube
SLUBE 884-8	8 lb. can
SLUBE 884-40	40 lb. pail

Note: MSDS are available at www.parkerorings.com.

NOTES

Wipers

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	A1 (NBR)	•		•	-	2.0	-35/ + 100
	A1 (PUR)	•			-	2.0	-35/ + 100
	AF	•			-	2.0	-35/ + 100
	AG	•			-	2.0	-35/ + 100
	AH	•			-	2.0	-35/ + 100
	AM	•		•	-	2.0	-35/ + 80
	AT	•			-	4.0	-35/ + 100
	AD	•			-	4.0	-35/ + 200
	AY	•			-	2.0	-35/ + 80

Cushioning Seals

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	A1 (NBR)		•		16	1.0	-20/ + 80
	A1 (PUR)		•		16	1.0	-35/ + 80
	A2 (NBR)		•		16	1.0	-30/ + 80


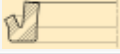




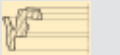


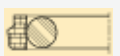


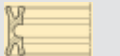
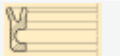


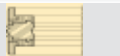
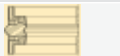
Guiding Elements

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	F2		•		-	1.0	-100/ + 200
	F3	•			-	5.0	-100/ + 200



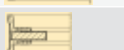
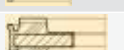


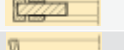
ENGINEERED MATERIALS

Piston Seals



2

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	B7	•			400	0.5	-35/ + 110
	C2	•			160	0.5	-25/ + 100
	C2		•		16	0.5	-25/ + 80
	E4 (NBR)		•		16	1.0	-30/ + 80
	E4 (PUR)		•		16	1.0	-35/ + 80
	KR	•			300	0.5	-35/ + 110
	MK		•		12	1.0	-30/ + 80
	OA		•		16	4.0	-30/ + 80
	OE	•			400	4.0	-30/ + 100
	OG	•			400	4.0	-30/ + 100
	OK	•			800	1.0	-30/ + 100
	PZ		•		12	1.0	-20/ + 80
	Z5		•		16	1.0	-30/ + 80
	Z7		•		16	1.0	-30/ + 80
	Z8 (NBR)		•		16	1.0	-20/ + 80
	Z8 (PUR)		•		16	1.0	-35/ + 80
	ZW	•			400	0.5	-30/ + 150
	ZX	•			400	0.5	-30/ + 100

Complete Piston Seals


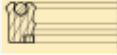

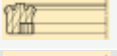
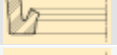
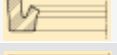


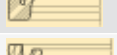
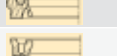


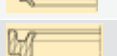
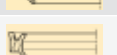
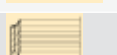
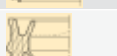
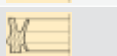





Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	DE		•		12	1.0	-30/ + 80
	DK (NBR)		•		16	1.0	-30/ + 80
	DK (PUR)		•		16	1.0	-35/ + 80
	DP		•		12	1.0	-30/ + 80
	DR		•		12	1.0	-20/ + 80
	EK (NBR)		•		16	1.0	-30/ + 80
	EK (PUR)		•		16	1.0	-35/ + 80

Rotary Seals

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	KA	•			400	0.2	-30/ + 100
	OR	•			300	1.0	-30/ + 100

Rod Seals

2

Profile Cross-section	Profile Reference	Application			Working Data		
		Hydraulics	Pneumatics	Mining	Working Pressure Max.	Surface speed Max. (m/s)	Temp (C)
	B3	•			400	0.5	-35/ + 110
	BD	•			500	0.5	-35/ + 110
	BS	•			400	0.5	-35/ + 110
	BU	•			500	0.5	-35/ + 110
	C1	•			160	0.5	-35/ + 110
	C1		•		16	1.0	-35/ + 80
	HL	•			250	1.0	-35/ + 110
	CR	•			160	1.0	-30/ + 100
	E5 (NBR0)		•		16	1.0	-30/ + 80
	E5 (PUR)		•		16	1.0	-30/ + 80
	E8		•		16	1.0	-20/ + 80
	E9		•		16	1.0	-10/ + 150
	EF		•		10	1.0	-30/ + 80
	EL (NBR)		•		10	1.0	-10/ + 80
	EL (PUR)		•		16	1.0	-35/ + 80
	EM		•		16	1.0	-30/ + 80
	EP		•		16	1.0	-35/ + 80
	ET		•		10	1.0	-35/ + 80
	EU		•		16	1.0	-35/ + 80
	OD	•			400	4.0	-30/ + 100
	ON	•			400	4.0	-30/ + 100
	R3	•			315	0.5	-30/ + 100
	Z9		•		16	1.0	-20/ + 80
















Rod Seals

Profile Cross-section		Description	Application			
			Hydraulics			Pneumatic
			Light	Medium	Heavy	
BD		Premium non-symmetrical o-ring energized rod seal with a knife trimmed primary lip and molded secondary lip. Preferred material is 4300. Additional materials include 4301, 5065. BD Profile with positively actuated back-up. Preferred material is 5065 with 4655 back-up.	•	•	•	
BT		Premium non-symmetrical u-cup rod seal with a knife trimmed primary lip and molded secondary lip. Preferred material is 4300.	•	•	•	
BR		Premium knife trimmed buffer or secondary seal designed to work with a primary rod seal for heavy duty or zero-leak systems. Preferred material is 4300.		•	•	
B3		Non-symmetrical u-cup with knife trimmed lip. Standard materials include 4300, 4700, 5065.	•	•		
BS		Non-symmetrical u-cup rod seal with knife trimmed primary lip and molded secondary lip. Standard materials are 4300 family, 4700, 5065.	•	•	•	
TR		Bi-directional rod "T-seal" available in no back-up, single back-up, and two back-up o-ring groove sizes. Standard energizer materials include 4115, 4274, 4205, 4259. Back-ups available in Nylon, PTFE, PEEK.	•	•	•	•
ON		Bi-directional, rubber energized PTFE cap rod seal. Full range of energizer and PTFE materials available.	•	•		
CR		Bi-directional, low profile, rubber energized PTFE cap rod seal designed to fit standard o-ring glands. Full range of energizer and PTFE materials available.	•	•		•
OC		Standard bi-directional rubber energized rectangular PTFE cap rod seal. Full range of energizer and PTFE materials available.	•	•		•
OD		Uni-directional rubber energized PTFE rod seal, typically used as a buffer or secondary rod seal. Full range of energizer and PTFE materials available.	•	•	•	








Symmetrical Seals for Rod or Piston Applications

Profile Cross-section		Description	Application			
			Hydraulics			Pneumatic
			Light	Medium	Heavy	
SPP		Standard PolyPak®. A square shaped symmetrical squeeze seal with a knife trimmed scraper lip. Standard materials include 4615, 4622, 4651, 4263, 4207, 4266.	•	•	•	
DPP		Deep PolyPak. A rectangular shaped symmetrical squeeze seal with a knife trimmed scraper lip. Standard materials include 4615, 4622, 4651, 4263, 4207, 4266.	•	•	•	
BPP		Type B PolyPak. A rectangular shaped symmetrical squeeze seal with a knife trimmed beveled lip. Standard materials include 4615, 4622, 4651, 4263, 4207, 4266.	•	•	•	
8400 8500		Symmetrical rubber u-cups used primarily in pneumatic applications. 8400 series feature knife trimmed with a beveled lip. 8500 series feature a straight cut scraper lip. Preferred	•	•		•
US		Standard symmetrical u-cup with trimmed beveled lips. Standard material is 4615.	•	•		
AN 6226		Industry standard symmetrical u-cups per the old Army / Navy (AN) specification. Standard material is 4295.	•			•





Piston Seals

Profile Cross-section	Description	Application			
		Hydraulics			Pneumatic
		Light	Medium	Heavy	
BP	 Premium bi-directional rubber energized urethane cap piston seal. Preferred material is 4304.		•	•	
PSP	 Standard bi-directional rubber energized urethane cap piston seal. Preferred material is 4622. Additional material includes 4300.	•	•		
CT	 Four piece capped "T-seal" piston seal made from molded rubber energizer, PTFE cap, and 4655 back-ups.			•	
OK	 Bi-directional rubber energized step-cut nylon cap piston seal.			•	
PIP	 Bi-directional piston seal created by the combination of a PIP Ring® pressure inverting pedestal back-up ring and Type B PolyPak®. Standard material is a 4615 PolyPak with a 4617 PIP Ring.		•	•	
B7	 Premium non-symmetrical u-cup with knife trimmed lip piston seal. Standard materials include 4300, 4700, 5065.	•	•		
TP	 Bi-directional piston "T-seal" available in no back-up, single back-up, and two back-up o-ring groove sizes. Standard energizer materials include 4115, 4274, 4205, 4259. Back-ups available in Nylon, PTFE, PEEK.	•	•	•	•
S5	 Economical medium duty bi-directional o-ring energized PTFE piston seal. Standard material is 0203 15% fiberglass-filled PTFE with nitrile energizer. Split option available.	•	•		•
R5	 Medium to heavy duty bi-directional lathe cut energized PTFE piston seal. Full range of energizer and PTFE materials available. Split option available.		•	•	•
CQ	 Bi-directional three piece lathe cut energized PTFE cap piston seal with an integrated quad seal for zero drift. Also available with dual o-ring energizer.		•	•	
OE	 Bi-directional, rubber energized PTFE cap piston seal. Full range of energizer and PTFE materials available.	•	•		
OG	 Uni-directional rubber energized PTFE piston seal, typically used as a buffer or secondary piston seal. Full range of energizer and PTFE materials available.	•	•		•
CP	 Bi-directional low profile, rubber energized PTFE cap piston seal designed to fit standard o-ring glands. Full range of energizer and PTFE materials available.	•	•		•
OA	 Standard bi-directional rubber energized rectangular PTFE cap piston seal. Full range of energizer and PTFE materials available.	•	•		•
OQ	 Bi-directional rubber energized PTFE piston seal used in rotary or oscillating applications. Full range of energizer and PTFE materials available.	•	•		•




Wipers

Profile Cross-section		Description	Application			
			Hydraulics			Pneumatic
			Light	Medium	Heavy	
SHD		Slotted heel snap-in wiper for pneumatics and light to medium duty hydraulics. Preferred materials are 4615 and 5065. Additional materials include 4263, 4208, 4207.	•	•		•
SH959		An industry standard slotted heel Army / Navy (AN) wiper designed to fit MS-28776 (MS-33675) grooves. Standard materials are 4615, 5065	•	•		•
AH		Double-lip, press in place, metal canned wiper with knife trimmed sealing lip for heavy duty hydraulics. Standard materials are 4300, 4700, 4615.		•	•	
J		Standard single-lip, press in place, metal canned wiper with a knife trimmed lip for medium and heavy duty hydraulics. Preferred material is 4700. Additional materials include 4300, 4615.		•	•	
AY		Premium snap-in place double-lip wiper for hydraulic applications. Preferred materials are 4300, 4301. Additional material includes 4700.	•	•	•	
H/8600		Standard snap-in place double-lip wiper. Standard materials for H wiper are 4615, 5065. Standard material for 8600 wiper is 4181.	•	•		•
AD		Double acting, double-lip, rubber energized PTFE wiper. Full range of energizer and PTFE materials available.	•	•		•




Wear Rings / Bearings

Profile Cross-section		Description	Application			
			Hydraulics			Pneumatic
			Light	Medium	Heavy	
WPT		Tight tolerance piston wear ring with chamfered corners. Standard material is 4733 WearGard™.	•	•	•	
WRT		Tight tolerance rod wear ring with chamfered corners. Standard material is 4733 WearGard.	•	•	•	
PDT		PTFE wear strip/bearing available cut to length or in bulk rolls. A variety of PTFE compounds are available.	•			•
PDW		Precision cut wear ring/bearing machined from PTFE billet material. Rod and piston chamfer may apply.	•			•













Back-ups

Profile Cross-section	Description	Application			
		Hydraulics			Pneumatic
		Light	Medium	Heavy	
MB 	Heavy cross-section modular back-up for PolyPak® seals. Standard materials are 4617, 4652.		•	•	
5100 	Back-up rings designed for o-ring grooves. Standard material is 4651.	•	•	•	
WB 	Anti-extrusion wedged back-up ring set for extreme high pressure, high temperature environments.			•	•
















Urethane O-Rings, D-Rings and Head Seals

Profile Cross-section	Description	Application			
		Hydraulics			Pneumatic
		Light	Medium	Heavy	
568 	High performance urethane o-ring made from the Resilon® family of high temperature, low compression set urethanes. Preferred materials are Resilon® 4300, 4301.	•	•	•	•
DG 	One-piece hydraulic valve sealing solution designed to replace o-ring and back-ups in dynamic applications. Preferred materials are Resilon® 4300, 4301.	•	•	•	•
HS 	Static head seals designed to replace o-rings and back-up in static applications. Standard material is 4700.	•	•	•	•






Rod Seals

Profile Cross-section	Profile Reference
Rod Seals	
	E5
	Z9
	C1
Rod seals with wiper	
	EU
	E7
	E8
	E9
	EL
	EM
Rod seals with wiper for anti-rotation pneumatic cylinders	
	ET
	EF
Rod seal with wiper and guiding element	
	EP

Piston Seals

Profile Cross-section	Profile Reference
Piston seals, Single Acting	
	E4 (NBR)
	E4 (PUR)
	Z7
	Z8 (NBR)
	Z8 (PUR)
	C2
	MK
Piston seal, Double acting	
	Z5
	PZ
	OA
Complete piston, Single acting	
	EK
	DE
Complete pistons, Double acting	
	DK
	DP
	DR

Other Seals

Profile Cross-section	Profile Reference
Wipers	
	A2
Cushioning Seals	
	PP
	V6
Guiding elements	
	F2
O-Rings	
	V1

NOTES

Lined writing area for notes, consisting of a grid of horizontal lines.

Description:

- Compounds - O-rings can be molded in a wide range of compounds in hardnesses from 40 to 95 Shore A. These materials include:

- Acrylonitrile-Butadiene (NBR)
- Chloroprene (CR)
- Ethylene Propylene (EPDM)
- Fluorosilicone (FVMQ)
- Perfluoroelastomer (FFKM)
- Silicone (VMQ)
- Butyl (IIR)
- Ethylene Acrylic (AEM)
- Fluorocarbon (FKM)
- Hydrogenated Nitrile (HNBR)
- Polyacrylate (ACM)

Parker O-ring compounds are formulated to meet the most stringent industry standards, including NSF, Underwriters Laboratories (UL), Military (MIL-SPEC), Aerospace (AMS), NASA, FDA, USDA, USP, and many customer-specific requirements.

For more product offering, please refer to catalog ORD 5712.



ACRYLONITRILE-BUTADIENE (NBR)



Nitrile rubber (NBR) is the general term for acrylonitrile-butadiene terpolymer. The acrylonitrile content of nitrile sealing compounds varies considerably [18 to 50%.] Polymers with higher ACN content exhibit less swell in gasoline and aromatic solvents, while lower ACN polymers exhibit better compression set and low temperature flexibility. Polymer is also called Buna-N.

Part Number	Recommended For	Temp Range (F)	Color
N0545-40	AMS 3201	-45 to 225	Black
N0299-50	AMS 3205, UL listed	-55 to 225	Black
N0406-60	General Purpose	-40 to 225	Black
N0525-60	AMS 3212, AMS 3220	-25 to 250	Black
NM506-65	AMS 7271	-70 to 180	Black
N0103-70	Low Temp.	-55 to 225	Black
N0287-70	Synthetic Lubricant, Resistant, AMS 7272	-35 to 250	Black
N0497-70	Low Swell, SAE 120R1 CL II, UL listed	-35 to 212	Black
N0602-70	General Purpose, AMS-P-5315, Low Temp.	-70 to 180	Black
N0674-70	General Purpose, MIL-G-21569, Cl I, UL listed	-30 to 250	Black
N0757-70	NSF 61, UL Listed	-30 to 225	Black
N0818-70	Internally Lubed	-30 to 250	Black
N1069-70	FDA	-30 to 180	Black
N1220-70	NSF 51, FDA	-30 to 225	Black
N1470-70	General Purpose, X-rings	-40 to 250	Black
N1471-70	General Purpose	-40 to 250	Black
N1499-70	General Purpose, UL	-30 to 250	Black
N1510-70	NSF 61	-30 to 225	Black
N1527-70	UL Listed	-30 to 225	Black
NM071-70	AMS-R-7362	-60 to 180	Black
N0508-75	FDA, USDA	-30 to 180	Black
N0756-75	AMS-P-83461	-65 to 250/275	Black
N0951-75	High Temp, Low Compression Set	-25 to 275	Black
N1500-75	Low Swell, UL Listed, Fuel applications	-35 to 212	Black
NM304-75	MIL-DTL-25732	-65 to 225/250	Black
N0750-80	Carboxylated	-25 to 250	Black
NA155-80	General Purpose	-25 to 250	Black
N1090-85	"ELF" Pneumatic, Carboxylated, Internally Lubed	-25 to 225	Black
N0300-90	Back Up Rings	-40 to 180	Black
N0507-90	AMS-P-5510, Low Temp.	-65 to 180	Black
N0552-90	General Purpose	-30 to 250	Black
N0702-90	Low Compression Set	-30 to 275	Black
N1059-90	Low Compression Set	-30 to 275	Black
N1444-90	Parbaks only	-30 to 250	Black
N1490-90	General Purpose	-30 to 250	Black
NB194-90	Low Extrusion Set, Extrusion Resistant	-30 to 250	Black

HYDROGENATED NITRILE (HNBR, HSN)



Hydrogenated nitrile was developed as an air-resistant variant of nitrile rubber. In HNBR, the carbon-carbon double bonds in the main polymer chain are saturated with hydrogen atoms in a process called "hydrogenation" that improves the material's thermal stability and oxidation resistance.

Part Number	Recommended For	Temp Range (F)	Color
KB190-50 (21705)	Automotive Applications	-25 to 300/325	Black
N1173-70	General Purpose	-25 to 300/325	Black
KA158-70	Low Temp.	-40 to 300/325	Red
N1239-70	Refrigerants	-25 to 300/325	Black
N1231-80	Explosive Decompression	-25 to 300/325	Black
KA453-80 (21508)	Low Swell, ED Resistant	-25 to 300/325	Black
KB162-80 (21378)	Oilfield, High Temp. Hydraulics	-25 to 300/325	Black
A183-85	Low Temp.	-55 to 300/325	Black
KB163-90 (21379)	Oilfield, High Temp. Hydraulics, RGD Resistant, NORSOK M710	-25 to 300/325	Black
N4007-95	Extrusion Resistant, RGD Resistant, NORSOK M710	-25 to 300/325	Black

FLUOROCARBON (FKM, FPM)



Fluorocarbon (FKM) has excellent resistance to high temperature and a broad range of chemicals. Permeability and compression set are excellent.

Part Number	Recommended For	Temp Range (F)	Color
V0986-50	General Purpose	-15 to 400	Brown
V0763-60	General Purpose	-15 to 400	Brown
V0769-60	General Purpose	-15 to 400	Black
V1262-65	Low Swell - Flex Fuel, Blends UL listed	-15 to 400	Black
VA150-65	General Purpose	-15 to 400	Black
VW252-65	Low Swell	-15 to 400	Green
V0680-70	FDA, USDA, NSF 51, USP Class VI	-15 to 400	Red
VB185-70	Acid Resistant, Steam	-15 to 400	Black
V0747-75	AMS-R-83248, TY I, CL I, UL listed	-15 to 400	Black
V0848-75	PTFE Loaded	15 to 400	Black
V0884-75	General Purpose, UL listed	-15 to 400	Brown
V1163-75	"GFLT Type", UL listed	-35 to 400	Black
V1164-75	Low Compression Set,	-15 to 400	Black
V1226-75	Low Compression Set, AMS 7276, UL, Listed	-15 to 400	Brown
V1260-75	Very Chemically Resistant, "Viton Extreme" Type	-15 to 400	Black
V1263-75	Low Swell, Flex Fuel Blends, UL listed	-15 to 400	Black
V1289-75	AMS 7379, Low Temp.	-55 to 400	Black
V1436-75	General Purpose, UL Listed	-15 to 400	Black
V1475-75	General Purpose, X-rings	-15 to 400	Black
V1476-75	General Purpose	-15 to 400	Brown
VG292-75	Engine Coolant Biodiesel Resistant	-15 to 400	Black
VM100-75	AMS 7276, Low Compression Set	-15 to 400	Black
VM125-75	"GLT" Type, AMS-R-83485	-40 to 400	Black
VW173-75	Automotive Applications	-15 to 400	Green
VW263-75	Biodiesel Resistant	-15 to 400	Brown
16327-75	Automotive Fuel Quick Disconnects, Good Fuel and Permeation Resistance	-15 to 400	Green
V1274-80	USP Class VI, ISO 10993, FDA, Low swell	-15 to 400	Black
VG286-85	ISO 23936 RGD & Extrusion Resistant, Low Compression Set	-50 to 400	Black
V0709-90	AMS-R-83248, TY 1, CL 2, AMS 7259	-15 to 400	Black
V0894-90	General Purpose	-15 to 400	Brown
V1411-90	General Purpose	-15 to 400	Black
V1412-90	General Purpose	-15 to 400	Brown
VA153-90	General Purpose	-15 to 400	Black
VW155-90	General Purpose	-50 to 400	Green
VG109-90	ISO 23936 RGD & Extrusion Resistant, Low Compression Set	-50 to 400	Black
V1238-95	Extrusion & RGD Resistant	-15 to 400	Black

2 PERFLUOROELASTOMER (ULTRA) (FFKM)



Perfluoroelastomer is a rubber version of PTFE. Available from Parker under the tradenames Parofluor™ and Parofluor ULTRA™.

Part Number	Recommended For	Temp Range (F)	Color
FF374-60	Low Particle Generation, Low Metal Ion Content	5 to 608	Purple
FF354-65	Low Closure Force	5 to 608	White
FF102-75	Acid Resistant, General Purpose	5 to 525	Black
FF106-75	General Purpose	5 to 500	Black
FF200-75	Low Comp Set, AMS7257, FDA	5 to 608	Black
FF302-75	Etch Resistant, Low Metal Ions	5 to 608	Brown
FF350-75	Plasma, High Purity, FDA, USP Class VI	5 to 608	White
FF352-75	General Purpose, Etch Resistant	5 to 608	White
FF370-75	Low Particle Generation, Low Metal Ions	5 to 608	Black
FF500-75	Broad Chemical Resistance, FDA	5 to 550	Black
FF580-75	FDA, General Purpose	5 to 572	Black
FF376-80	Low Particle Generation, Low Metal Ions	5 to 608	Purple
FF400-80	Low Temp., RGD Resistant	-40 to 550	Black
FF202-90	Low Compression Set, Extrusion Resistant	5 to 608	Black
FF582-90	Steam Resistant, Amine/Base Resistant	5 to 525	Black
V8581-90	Plasma Etch Resistant, Low Stiction	5 to 550	White
V8588-90	Extrusion & RGD Resistant	5 to 572	Black

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568 dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568 dimensions and tolerances. For further information contact a Parker O-Ring Applications Engineer

2-xxx Sizes, Cross-Section: $.070 \pm .003$ in ($1,78 \pm 0,08$ mm)

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm	Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-001*	.029	.004	0,74	0,10	2-026	1.239	.011	31,47	0,28
2-002*	.042	.004	1,07	0,10	2-027	1.301	.011	33,05	0,28
2-003*	.056	.004	1,42	0,10	2-028	1.364	.013	34,65	0,33
2-004	.070	.005	1,78	0,13	2-029	1.489	.013	37,82	0,33
2-005	.101	.005	2,57	0,13	2-030	1.614	.013	41,00	0,33
2-006	.114	.005	2,90	0,13	2-031	1.739	.015	44,17	0,38
2-007	.145	.005	3,68	0,13	2.032	1.864	.015	47,35	0,38
2-008	.176	.005	4,47	0,13	2-033	1.989	.018	50,52	0,46
2-009	.208	.005	5,28	0,13	2-034	2.114	.018	53,70	0,46
2-010	.239	.005	6,07	0,13	2-035	2.239	.018	56,87	0,46
2-011	.301	.005	7,65	0,13	2-036	2.364	.018	60,05	0,46
2-012	.364	.005	9,25	0,13	2-037	2.489	.018	63,22	0,46
2-013	.426	.005	10,82	0,13	2-038	2.614	.020	66,40	0,51
2-014	.489	.005	12,42	0,13	2-039	2.739	.020	69,57	0,51
2-015	.551	.007	14,00	0,18	2-040	2.864	.020	72,75	0,51
2-016	.614	.009	15,60	0,23	2-041	2.989	.024	75,92	0,61
2-017	.676	.009	17,17	0,23	2-042	3.239	.024	82,27	0,61
2-018	.739	.009	18,77	0,23	2-043	3.489	.024	88,62	0,61
2-019	.801	.009	20,35	0,23	2-044	3.739	.027	94,97	0,69
2-020	.864	.009	21,95	0,23	2-045	3.989	.027	101,32	0,69
2-021	.926	.009	23,52	0,23	2-046	4.239	.030	107,67	0,76
2-022	.989	.010	25,12	0,25	2-047	4.489	.030	114,02	0,76
2-023	1.051	.010	26,70	0,25	2-048	4.739	.030	120,37	0,76
2-024	1.114	.010	28,30	0,25	2-049	4.989	.037	126,72	0,94
2-025	1.176	.011	29,87	0,28	2-050	5.239	.037	133,07	0,94

(a) The rubber compound must be added when ordering by the 2-size number (i.e., N0674 2-007)

(b) This chart provides dimensions for standard [AN] shrinkage materials ONLY. These correspond to AS568 dimensions. O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see Parker O-Ring Handbook [ORD 5700].

* Please note:

for 2-001 cross-section width = .040 in (1,02 mm)

for 2-002 cross-section width = .050 in (1,27 mm)

for 2-003 cross-section width = .060 in (1,52 mm)

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568 dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568 dimensions and tolerances. For further information contact a Parker O-Ring Applications Engineer

2-xxx Sizes, Cross-Section: $.103 \pm .003$ in ($2,62 \pm 0,08$ mm)

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-102	.049	.005	1,24	0,13
2-103	.081	.005	2,06	0,13
2-104	.112	.005	2,84	0,13
2-105	.143	.005	2,84	0,13
2-106	.174	.005	4,42	0,13
2-107	.206	.005	5,23	0,13
2-108	.237	.005	6,02	0,13
2-109	.299	.005	7,59	0,13
2-110	.362	.005	9,19	0,13
2-111	.424	.005	10,77	0,13
2-112	.487	.005	12,37	0,13
2-113	.549	.007	13,94	0,18
2-114	.612	.009	15,54	0,23
2-115	.674	.009	17,12	0,23
2-116	.737	.009	18,72	0,23
2-117	.799	.010	20,30	0,25
2-118	.862	.010	21,89	0,25
2-119	.924	.010	23,47	0,25
2-120	.987	.010	25,07	0,25
2-121	1.049	.010	26,64	0,25
2-122	1.112	.010	28,24	0,25
2-123	1.174	.012	29,82	0,30
2-124	1.237	.012	31,42	0,30
2-125	1.299	.012	32,99	0,30
2-126	1.362	.012	34,59	0,30
2-127	1.424	.012	36,17	0,30
2-128	1.487	.012	37,77	0,30
2-129	1.549	.015	39,34	0,38
2-130	1.612	.015	40,94	0,38
2-131	1.674	.015	42,52	0,38
2-132	1.737	.015	44,12	0,38
2-133	1.799	.015	45,69	0,38
2-134	1.862	.015	47,29	0,38
2-135	1.925	.017	48,90	0,43
2-136	1.987	.017	50,47	0,43
2-137	2.050	.017	52,07	0,43
2-138	2.112	.017	53,64	0,43
2-139	2.175	.017	55,25	0,43
2-140	2.237	.017	56,82	0,43

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-141	2.300	.020	58,42	0,51
2-142	2.362	.020	59,99	0,51
2-143	2.425	.020	61,60	0,51
2-144	2.487	.020	63,17	0,51
2-145	2.550	.020	64,77	0,51
2-146	2.612	.020	66,34	0,51
2-147	2.675	.022	67,95	0,56
2-148	2.737	.022	69,52	0,56
2-149	2.800	.022	71,12	0,56
2-150	2.862	.022	72,69	0,56
2-151	2.987	0.24	75,87	0,61
2-152	3.237	.024	82,22	0,61
2-153	3.487	.024	88,57	0,61
2-154	3.737	.028	94,92	0,71
2-155	3.987	.028	101,27	0,71
2-156	4.237	.030	107,62	0,76
2-157	4.487	.030	113,97	0,76
2-158	4.737	.030	120,32	0,76
2-159	4.987	.035	126,67	0,89
2-160	5.237	.035	133,02	0,89
2-161	5.487	.035	139,37	0,89
2-162	5.737	.035	145,72	0,89
2-163	5.987	.035	152,07	0,89
2-164	6.237	.040	158,42	1,02
2-165	6.487	.040	167,77	1,02
2-166	6.737	.040	171,12	1,02
2-167	6.987	.040	177,47	1,02
2-168	7.237	.045	183,82	1,14
2-169	7.487	.045	190,17	1,14
2-170	7.737	.045	196,52	1,14
2-171	7.987	.045	202,87	1,14
2-172	8.237	.050	209,22	1,27
2-173	8.487	.050	215,57	1,27
2-174	8.737	.050	221,92	1,27
2-175	8.987	.050	228,27	1,27
2-176	9.237	.055	234,62	1,40
2-177	9.487	.055	240,97	1,40
2-178	9.737	.055	247,32	1,40

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568 dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568 dimensions and tolerances. For further information contact a Parker O-Ring Applications Engineer

2-xxx Sizes, Cross-Section: $.139 \pm .004$ in ($3,53 \pm 0,10$ mm)

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm	Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-201	.171	.055	4,34	0,13	2-243	4.109	.028	104,37	0,71
2-202	.234	.005	5,94	0,13	2-244	4.234	.030	107,54	0,76
2-203	.296	.005	7,52	0,13	2-245	4.359	.030	110,72	0,76
2-204	.359	.005	9,12	0,13	2-246	4.484	.030	113,89	0,76
2-205	.421	.005	10,69	0,13	2-247	4.609	.030	117,07	0,76
2-206	.484	.005	12,29	0,13	2-248	4.734	.030	120,24	0,76
2-207	.546	.007	13,87	0,18	2-249	4.859	.035	123,42	0,89
2-208	.609	.009	15,47	0,23	2-250	4.984	.035	126,59	0,89
2-209	.671	.009	17,04	0,23	2-251	5.109	.035	129,77	0,89
2-210	.734	.010	18,64	0,25	2-252	5.234	.035	132,94	0,89
2-211	.796	.010	20,22	0,25	2-253	5.359	.035	136,12	0,89
2-212	.859	.010	21,82	0,25	2-254	5.484	.035	139,29	0,89
2-213	.921	.010	23,39	0,25	2-255	5.609	.035	142,47	0,89
2-214	.984	.010	24,99	0,25	2-256	5.734	.035	145,64	0,89
2-215	1.046	.010	26,57	0,25	2-257	5.859	.035	148,82	0,89
2-216	1.109	.012	28,17	0,30	2-258	5.984	.035	151,99	0,89
2-217	1.171	.012	29,74	0,30	2-259	6.234	.040	158,34	1,02
2-218	1.234	.012	31,34	0,30	2-260	6.484	.040	164,69	1,02
2-219	1.296	.012	32,92	0,30	2-261	6.734	.040	171,04	1,02
2-220	1.359	.012	34,52	0,30	2-262	6.984	.040	177,39	1,02
2-221	1.421	.012	36,09	0,30	2-263	7.234	.045	183,74	1,14
2-222	1.484	.015	37,69	0,38	2-264	7.484	.045	190,09	1,14
2-223	1.609	.015	40,87	0,38	2-265	7.734	.045	196,44	1,14
2-224	1.734	.015	44,04	0,38	2-266	7.984	.045	202,79	1,14
2-225	1.859	.018	47,22	0,38	2-267	8.234	.050	209,14	1,27
2-226	1.984	.018	50,39	0,46	2-268	8.484	.050	215,49	1,27
2-227	2.109	.018	53,57	0,46	2-269	8.734	.050	221,84	1,27
2-228	2.234	.020	56,74	0,51	2-270	8.984	.050	228,19	1,27
2-229	2.359	.020	59,92	0,51	2-271	9.234	.055	234,54	1,40
2-230	2.484	.020	63,09	0,51	2-272	9.484	.055	240,89	1,40
2-231	2.609	.020	66,27	0,51	2-273	9.734	.055	247,24	1,40
2-232	2.734	.024	69,44	0,60	2-274	9.984	.055	253,59	1,40
2-233	2.859	.024	72,62	0,61	2-275	10.484	.055	266,29	1,40
2-234	2.984	.024	75,79	0,61	2-276	10.984	.065	278,99	1,65
2-235	3.109	.024	78,97	0,61	2-277	11.484	.065	291,69	1,65
2-236	3.234	.024	82,14	0,61	2-278	11.984	.065	304,39	1,65
2-237	3.359	.024	85,32	0,61	2-279	12.984	.065	329,79	1,65
2-238	3.484	.024	88,49	0,61	2-280	13.984	.065	355,19	1,65
2-239	3.609	.028	91,67	0,71	2-281	14.984	.065	380,59	1,65
2-240	3.734	.028	94,84	0,71	2-282	15.955	.075	405,26	1,91
2-241	3.859	.028	98,02	0,71	2-283	16.955	.080	430,66	2,03
2-242	3.984	.028	101,19	0,71	2-284	17.955	.085	456,06	2,16

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568 dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568 dimensions and tolerances. For further information contact a Parker O-Ring Applications Engineer

2-xxx Sizes, Cross-Section: $.210 \pm .005$ in ($5,33 \pm 0,13$ mm)

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-309	.412	.005	10,46	0,13
2-310	.475	.005	12,07	0,13
2-311	.537	.007	13,64	0,18
2-312	.600	.009	15,24	0,23
2-313	.662	.009	16,81	0,23
2-314	.725	.010	18,42	0,25
2-315	.787	.010	19,99	0,25
2-316	.850	.010	21,59	0,25
2-317	.912	.010	23,16	0,25
2-318	.975	.010	24,77	0,25
2-319	1.037	.010	26,34	0,25
2-320	1.100	.012	27,94	0,30
2-321	1.162	.012	29,51	0,30
2-322	1.225	.012	31,12	0,30
2-323	1.287	.012	32,69	0,30
2-324	1.350	.012	34,29	0,30
2-325	1.475	.015	37,47	0,38
2-326	1.600	.015	40,64	0,38
2-327	1.725	.015	43,82	0,38
2-328	1.850	.015	46,99	0,38
2-329	1.975	.018	50,17	0,46
2-330	2.10	.018	53,34	0,46
2-331	2.225	.018	56,52	0,46
2-332	2.350	.018	59,69	0,46
2-333	2.475	.020	62,87	0,51
2-334	2.600	.020	66,04	0,51
2-335	2.725	.020	69,22	0,51
2-336	2.850	.020	72,39	0,61
2-337	2.975	.024	75,57	0,61
2-338	3.100	.024	78,74	0,61
2-339	3.225	.024	81,92	0,61
2-340	3.350	.024	85,09	0,61
2-341	3.475	.024	88,27	0,61
2-342	3.600	.028	91,44	0,71
2-343	3.725	.028	94,62	0,71
2-344	3.850	.028	97,79	0,71
2-345	3.975	.028	100,97	0,71
2-346	4.100	.028	104,14	0,71
2-347	4.225	.030	107,32	0,76
2-348	4.350	.030	110,49	0,76
2-349	4.475	.030	113,67	0,76
2-350	4.600	.030	116,84	0,76
2-351	4.725	.030	120,02	0,76
2-352	4.850	.030	123,19	0,76

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-353	4.975	.037	126,37	0,94
2-354	5.100	.037	129,54	0,94
2-355	5.225	.037	132,72	0,94
2-356	5.350	.037	135,89	0,94
2-357	5.475	.037	139,07	0,94
2-358	5.600	.037	142,24	0,94
2-359	5.725	.037	145,42	0,94
2-360	5.850	.037	148,59	0,94
2-361	5.975	.037	151,77	0,94
2-362	6.225	.040	158,12	1,02
2-363	6.475	.040	164,47	1,02
2-364	6.725	.040	170,82	1,02
2-365	6.975	.040	177,17	1,02
2-366	7.225	.045	183,52	1,14
2-367	7.475	.045	189,87	1,14
2-368	7.725	.045	196,22	1,14
2-369	7.975	.045	202,57	1,14
2-370	8.225	.050	208,92	1,27
2-371	8.475	.050	215,27	1,27
2-372	8.725	.050	221,62	1,27
2-373	8.975	.050	227,97	1,27
2-374	9.225	.055	234,32	1,40
2-375	9.475	.055	240,67	1,40
2-376	9.725	.055	247,02	1,40
2-377	9.975	.055	253,37	1,40
2-378	10.475	.060	266,07	1,52
2-379	10.975	.060	278,77	1,52
2-380	11.475	.065	291,47	1,65
2-381	11.975	.065	304,17	1,65
2-382	12.975	.065	329,57	1,65
2-383	13.975	.070	354,97	1,78
2-384	14.975	.070	380,37	1,78
2-385	15.955	.075	405,26	1,91
2-386	16.955	.080	430,66	2,03
2-387	17.955	.085	456,06	2,16
2-388	18.955	.090	481,41	2,29
2-389	19.955	.095	506,81	2,41
2-390	20.955	.095	532,21	2,41
2-391	21.955	.100	557,61	2,54
2-392	22.940	.105	582,68	2,67
2-393	23.940	.110	608,08	2,79
2-394	24.940	.115	633,48	2,92
2-395	25.940	.120	658,88	3,05

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568 dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568 dimensions and tolerances. For further information contact a Parker O-Ring Applications Engineer

2-xxx Sizes, Cross-Section: $.275 \pm .006$ in ($6,99 \pm 0,15$ mm)



Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-425	4.475	.033	113,67	0,84
2-426	4.600	.033	116,84	0,84
2-427	4.725	.033	120,02	0,84
2-428	4.850	.033	123,19	0,84
2-429	4.975	.037	126,37	0,94
2-430	5.100	.037	129,54	0,94
2-431	5.225	.037	132,72	0,94
2-432	5.350	.037	135,89	0,94
2-433	5.475	.037	139,07	0,94
2-434	5.600	.037	142,24	0,94
2-435	5.725	.037	145,42	0,94
2-436	5.850	.037	148,59	0,94
2-437	5.975	.037	151,77	0,94
2-438	6.225	.040	158,12	1,02
2-439	6.475	.040	164,47	1,02
2-440	6.725	.040	170,82	1,02
2-441	6.975	.040	177,17	1,02
2-442	7.225	.045	183,52	1,14
2-443	7.475	.045	189,87	1,14
2-444	7.725	.045	196,22	1,14
2-445	7.975	.045	202,57	1,14
2-446	8.475	.055	215,27	1,40
2-447	8.975	.055	227,97	1,40
2-448	9.475	.055	240,67	1,40
2-449	9.975	.055	253,37	1,40
2-450	10.475	.060	266,07	1,52

Part Number	Inside Dia. in.	Tol. \pm in.	Inside Dia. mm	Tol. \pm mm
2-451	10.975	.060	278,77	1,52
2-452	11.475	.060	291,47	1,52
2-453	11.975	.060	304,17	1,52
2-454	12.475	.060	316,87	1,52
2-455	12.975	.060	329,57	1,52
2-456	13.475	.070	342,27	1,78
2-457	13.975	.070	354,97	1,78
2-458	14.475	.070	367,67	1,78
2-459	14.975	.070	380,37	1,78
2-460	15.475	.070	393,07	1,78
2-461	15.955	.075	405,26	1,91
2-462	16.455	.075	417,96	1,91
2-463	16.955	.080	430,66	2,03
2-464	17.455	.085	443,36	2,16
2-465	17.955	.085	456,06	2,16
2-466	18.455	.085	468,76	2,16
2-467	18.955	.090	481,46	2,29
2-468	19.455	.090	494,16	2,29
2-469	19.955	.095	506,86	2,41
2-470	20.955	.095	532,26	2,41
2-471	21.955	.100	557,66	2,54
2-472	22.940	.105	582,68	2,67
2-473	23.940	.110	608,08	2,79
2-474	24.940	.115	633,48	2,92
2-475	25.940	.120	658,88	63,05

Description:

- The following charts provide dimensions for standard shrinkage materials only. These correspond to AS568B dimensions. O-rings manufactured from compounds with different shrinkage rates will provide slightly different dimensions and tolerances when standard tooling is used. Custom tooling may be necessary for some compounds in order to meet AS568B dimensions and tolerances. Contact a Parker O-Ring Applications Engineer with any questions.

3-9xx Sizes



Part Number	ID in.	Tol. ± in.	Width in.	Tol. ± in.	ID mm	Tol. ± mm	W mm	Tol. ± mm
3-901	.185	.005	.056	.003	4,70	0,13	1,42	0,08
3-902	.239	.005	.064	.003	6,07	0,13	1,63	0,08
3-903	.301	.005	.064	.003	7,65	0,13	1,63	0,08
3-904	.351	.005	.072	.003	8,92	0,13	1,83	0,08
3-905	.414	.005	.072	.003	10,52	0,13	1,83	0,08
3-906	.468	.005	.078	.003	11,89	0,13	1,98	0,08
3-907	.530	.007	.082	.003	13,46	0,18	2,08	0,08
3-908	.644	.009	.087	.003	16,36	0,23	2,21	0,08
3-909	.706	.009	.097	.003	17,93	0,23	2,46	0,08
3-910	.755	.009	.097	.003	19,18	0,23	2,46	0,08
3-911	.863	.009	.116	.004	21,92	0,23	2,95	0,10
3-912	.924	.009	.116	.004	23,47	0,23	2,95	0,10
3-913	.986	.010	.116	.004	25,04	0,26	2,95	0,10
3-914	1.047	.010	.116	.004	26,59	0,26	2,95	0,10
3-916	1.171	.010	.116	.004	29,74	0,26	2,95	0,10
3-918	1.355	.012	.116	.004	34,42	0,30	2,95	0,10
3-920	1.475	.014	.118	.004	37,47	0,36	3,00	0,10
3-924	1.720	.014	.118	.004	43,69	0,36	3,00	0,10
3-928	2.090	.018	.118	.004	53,09	0,46	3,00	0,10
3-932	2.337	.018	.118	.004	59,36	0,46	3,00	0,10

- (a) The rubber compound must be added when ordering by the 3-size number (i.e., N0552 3-910).
- (b) Material with unusual shrinkage during molding will give slightly different dimension.

O-Rings for Metric Tube Fittings (ISO 6149) (Similar to SAE J2244)

Parker O-Ring Division is tooled in these sizes for Nitrile and Fluorocarbon rubber only. Contact the division for availability.



Part Number	O-Ring Name	Port Thread	ID mm	Tol. ± mm	W mm	Tol. ± mm
0024-0063	M8 ISO O-Ring	M8x1	6,10	0,13	1,60	0,08
0031-9063	M10 ISO O-Ring	M10x1	8,10	0,13	1,60	0,08
0036-6087	M12 ISO O-Ring	M12x1.5	9,30	0,13	2,20	0,08
0044-5087	M14 ISO O-Ring	M14x1.5	11,30	0,13	2,20	0,08
0052-4087	M16 ISO O-Ring	M16x1.5	13,30	0,15	2,20	0,08
0060-2087	M18 ISO O-Ring	M18x1.5	15,30	0,18	2,20	0,08
0076-0087	M22 ISO O-Ring	M22x1.5	19,30	0,20	2,20	0,08
0092-9114	M27 ISO O-Ring	M27x2	23,60	0,23	2,90	0,10
0116-5114	M33 ISO O-Ring	M33x2	29,60	0,30	2,90	0,10
0152-0114	M42 ISO O-Ring	M42x2	38,60	0,36	2,90	0,10
0175-6114	M48 ISO O-Ring	M48x2	44,60	0,41	2,90	0,10
0222-8114	M60 ISO O-Ring	M60x2	56,60	0,46	2,90	0,10



Filtration



COMPRESSED AIR & GAS TREATMENT

High Efficiency Compressed Air Filters

- | OIL-X Evolution - Water Separators 90
- | OIL-X Evolution - Grade AO/AA/ACS 91-95
- | Oil-Xplus Advantage 96

Condensate Drains

- | Hyperdrain, Eco & Condensate drains 98-99

ENGINE & MOBILE

Racor Filter Series

- | In Line Fuel Filtration - 025 Series 100
- | Diesel Spin On - 100 Series 100
- | Diesel Spin On - 200 Series 100
- | Diesel Spin On - 300 Series 101
- | Diesel Spin On - 400 Series 101
- | Diesel Spin On - 600 Series 102
- | Turbine Series 103
- | Replacement Elements - 100 Series 104-105
- | Water Absorbers 106

HYDRAULIC FILTRATION

- | Spin On12AT/ 50AT Series 108
- | Parfit Smart1000 109

For more product offerings, please refer to:



Hydraulic Filtration
Division Europe

Description:

- Removal of bulk condensed water and liquid oil.
- Used to protect coalescing water from bulk liquid contamination.
- High liquid removal efficiencies at all flow conditions.
- Tested in accordance with ISO8573-9.



OIL-X Evolution - Water Separators - Grade WS

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure.

Flow Correction Factors for grades WS

Line Pressure	bar (g)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi (g)	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Correction Factor Pressure (CFP)		4.00	2.63	2.00	1.59	1.33	1.14	1.00	0.94	0.89	0.85	0.82	0.79	0.76	0.73	0.71	0.68

Part Number	Details		
	Pipe Size	m ³ /hr	cfm
WS010ANFX	1/4"	36	21
WS010BNFX	3/8"	36	21
WS010CNFX	1/2"	36	21
WS015BNFX	3/8"	144	85
WS020CNFX	1/2"	144	85
WS020DNFX	3/4"	144	85
WS020ENFX	1"	144	85
WS025DNFX	3/4"	396	233
WS030ENFX	1"	396	233
WS030FNFX	1 1/4"	396	233
WS030GNFX	1 1/2"	396	233
WS035FNFX	1 1/4"	1260	742
WS040GNFX	1 1/2"	1260	742
WS045HNFX	2"	1260	742
WS055INFX	2 1/2"	2880	1695
WS055JNFX	3"	2880	1695
WS1000	4"	3600	2119

Note: Connection for (010 - 055) is N = NPT.
G = BSPP option available on request.

FILTRATION

Description:

- Removal of water and oil aerosols, atmospheric dirt and solid particles, rust, pipescale and micro-organisms.
- Coalescing filter performance tested to the stringent requirements of ISO 12500-1 and ISO8573-2.



OIL-X Evolution - Water Separators - Grade s AO/AA

Filtration Performance

Filtration Grade	Filter Type	Particle removal (inc water & oil aerosols)	Max Remaining Oil Content at 21°C (70°F)	Filtration Efficiency	Initial Dry Differential Pressure	Initial Saturated Differential Pressure	Change Element Every	Precede with Filtration Grade
AO	Coalescing	Down to 1 micron	0.6 mg/m ³ 0.5 ppm(w)	99.925%	<70 mbar (1psi)	<140 mbar (2psi)	12 mths	WS (for bulk liquid)
AA	Coalescing	Down to 0.01 micron	0.01 mg/m ³ 0.01 ppm(w)	99.9999%	<140 mbar (2psi)	<200 mbar (3psi)	12 mths	AO

Flow Correction Factors for grades AO, AA, AR, AAR

Line Pressure	bar (g)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5
	psi (g)	15	22	29	37	44	51	58	66	73	80	87	95	100	110	116	124
Correction Factor Pressure (CFP)		2.65	2.16	1.87	1.67	1.53	1.41	1.32	1.25	1.18	1.13	1.08	1.04	1.00	0.97	0.94	0.91

Line Pressure	bar (g)	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5
	psi (g)	131	139	145	153	160	168	174	183	189	197	203	212	218	226	232	241
Correction Factor Pressure (CFP)		0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.75	0.73	0.72	0.71	0.69	0.68	0.67	0.66	0.65

Line Pressure	bar (g)	17	17.5	18	18.5	19	19.5	20
	psi (g)	248	256	263	270	277	285	290
Correction Factor Pressure (CFP)		0.64	0.63	0.62	0.62	0.61	0.60	0.59

OIL-X Evolution - Grade A0

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure. For flows at other pressures apply the correction factors shown.

Part Number	Details				
	Pipe Size	m ³ /hr	cfm	Replacement Element kit	No.
A0005ANFX	1/4"	22	13	005A0	1
A0005BNFX	3/8"	22	13	005A0	1
A0005CNFX	1/2"	22	13	005A0	1
A0010ANFX	1/4"	36	21	010A0	1
A0010BNFX	3/8"	36	21	010A0	1
A0010CNFX	1/2"	36	21	010A0	1
A0015BNFX	3/8"	72	42	015A0	1
A0015CNFX	1/2"	72	42	015A0	1
A0020CNFX	1/2"	108	64	020A0	1
A0020DNFX	3/4"	108	64	020A0	1
A0020ENFX	1"	108	64	020A0	1
A0025DNFX	3/4"	216	127	025A0	1
A0025ENFX	1"	216	127	025A0	1
A0030ENFX	1"	396	233	030A0	1
A0030FNFX	1 1/4"	396	233	030A0	1
A0030GNFX	1 1/2"	396	233	030A0	1
A0035FNFX	1 1/4"	576	339	035A0	1
A0035GNFX	1 1/2"	576	339	035A0	1
A0040GNFX	1 1/2"	792	466	040A0	1
A0040HNFX	2"	792	466	040A0	1
A0045HNFX	2"	1188	699	045A0	1
A0050INFX	2 1/2"	1548	911	050A0	1
A0050JNFX	3"	1548	911	050A0	1
A0055INFX	2 1/2"	2232	1314	055A0	1
A0055JNFX	3"	2232	1314	055A0	1
A0060KNFX	4"	3600	2119	060A0	3



Note: Connection for [005 - 060] is N = NPT.
G = BSPP option available on request.

OIL-X Evolution - Grade AA

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure. For flows at other pressures apply the correction factors shown.

Part Number	Details				
	Pipe Size	m ³ /hr	cfm	Replacement Element kit	No.
AA005ANFX	1/4"	22	13	005AA	1
AA005BNFX	3/8"	22	13	005AA	1
AA005CNFX	1/2"	22	13	005AA	1
AA010ANFX	1/4"	36	-	-	-
AA010BNFX	3/8"	36	21	010AA	1
AA010CNFX		36	21	010AA	1
AA015BNFX	3/8"	72	42	015AA	1
AA015CNFX	1/2"	72	42	015AA	1
AA020CNFX		108	64	020AA	1
AA020DNFX	3/4"	108	64	020AA	1
AA020ENFX	1"	108	64	020AA	1
AA025DNFX	3/4"	216	127	025AA	1
AA025ENFX	1"	216	127	025AA	1
AA030ENFX	-	-	-	030AA	1
AA030FNFX	-	-	-	030AA	1
AA030GNFX	1 1/2"	396	233	030AA	1
AA035FNFX	1 1/4"	576	339	035AA	1
AA035GNFX	1 1/2"	576	339	035AA	1
AA040GNFX	-	-	-	040AA	1
AA040HNFX	-	-	-	040AA	1
AA045HNFX	2"	1188	699	045AA	1
AA050INFX	2 1/2"	1548	911	050AA	1
AA050JNFX	3"	1548	911	050AA	1
AA055INFX	2 1/2"	2232	1314	055AA	1
AA055JNFX	3"	2232	1314	055AA	1
AA060KNFX	4"	3600	2119	060AA	3



Note: Connection for (005 - 060) is N = NPT.
G = BSPP option available on request.

Description:

- Removal of oil vapours using adsorption filter technology.
- OIL-X EVOLUTION Grade ACS is used for smaller flow rate applications, point of use applications and applications where more frequent element changes can be tolerated.



Grade ACS - Single Stage In Line Filter

FILTRATION

OIL-X Evolution - Oil Vapour Removal Filters - Grade ACS

Filtration Performance

Filtration Grade	Filter Type	Particle removal (inc water & oil aerosols)	Max Remaining Oil Content at 21°C (70°F)	Filtration Efficiency	Test Methods Used	ISO12500-1 Inlet Challenge Concentration	Initial Dry Differential Pressure	Initial Saturated Differential Pressure	Absorbent Life	Precede with Filtration Grade
ACS	Oil Vapour Removal	N/A	0.003 mg/m ³ 0.003 ppm(w)	N/A	ISO8573-5	N/A	<200 mbar (3psi)	N/A	When oil vapour or odour is detected	AA

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure. For flows at other pressures apply the correction factors shown.

Part Number	Details				
	Pipe Size	m ³ /hr	cfm	Replacement Element kit	No.
ACS005ANMX	1/4"	22	13	005ACS	1
ACS005BNMX	3/8"	22	13	005ACS	1
ACS005CNMX	1/2"	22	13	005ACS	1
ACS010ANMX	1/4"	36	21	010ACS	1
ACS010BNMX	3/8"	36	21	010ACS	1
ACS010CNMX	1/2"	36	21	010ACS	1
ACS015BNMX	3/8"	72	42	015ACS	1
ACS015CNMX	1/2"	72	42	015ACS	1
ACS020CNMX	1/2"	108	64	020ACS	1
ACS020DNMX	3/4"	108	64	020ACS	1
ACS020ENMX	1"	108	64	020ACS	1
ACS025DNMX	3/4"	216	127	025ACS	1
ACS025ENMX	1"	216	127	025ACS	1
ACS030ENMX	1"	396	233	030ACS	1
ACS030FNMX	1 1/4"	396	233	030ACS	1
ACS030GNMX	1 1/2"	396	233	030ACS	1
ACS035FNMX	1 1/4"	576	339	035ACS	1
ACS035GNMX	1 1/2"	576	339	035ACS	1
ACS040GNMX	1 1/2"	792	466	040ACS	1
ACS040HNMX	2"	792	466	040ACS	1
ACS045HNMX	2"	1188	699	045ACS	1
ACS050INMX	2 1/2"	1548	911	050ACS	1
ACS050JNMX	3"	1548	911	050ACS	1
ACS055INMX	2 1/2"	2232	1314	055ACS	1
ACS055JNMX	3"	2232	1314	055ACS	1
ACS060KNMX	4"	3600	2119	060ACS	3



Grade ACS - Single Stage In Line Filter

Correction Factors Pressure (CFP)																
Line Pressure	bar (g)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	psi (g)	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218
Correction Factor Pressure (CFP)		2.65	1.87	1.53	1.32	1.18	1.08	1.00	0.94	0.88	0.84	0.80	0.76	0.73	0.71	0.68

Line Pressure	bar (g)	16	17	18	19	20
	psi (g)	232	248	263	277	290
Correction Factor Pressure (CFP)		0.66	0.64	0.62	0.61	0.59

Description:

- Replacement elements for the Parker domnick hunter OIL-Xplus compressed air filter housing. Designed to remove oil and water in liquid and aerosol state, atmospheric dirt and solid particulate.
- Lowest total cost of ownership.
- Energy savings of 49% over the original OIL-Xplus element.
- Lower environmental impact reducing CO₂ emissions.
- Guaranteed continuous air quality.
- Design to be retrofitted into original OIL-Xplus filter housing.
- Replaces standard AO, AA and AO-TS, AA-TS grade elements.
- Maximum operating temperature 100°C.



Element Cross Reference List

Replacement element kit	
To fit filter housing code	Filter element code**
{AO/AA} 0006G/0009G	K009 {AO/AA}
{AO/AA} 0013G/0017G	K017 {AO/AA}
{AO/AA} 0025G/0030G	K030 {AO/AA}
{AO/AA} 0040G/0058G	K058 {AO/AA}
{AO/AA} 0065G/0080G	K145 {AO/AA}
{AO/AA} 0085G/0125G	K145 {AO/AA}
{AO/AA} - /0145G	K145 {AO/AA}
{AO/AA} 0170G/0205G	K220 {AO/AA}
{AO/AA} 0195G/0220G	K220 {AO/AA}
{AO/AA} 0295G/0330G	K330 {AO/AA}
{AO/AA} 0375G/0405G	K430 {AO/AA}
{AO/AA} 0400G/0430G	K430 {AO/AA}
{AO/AA} 0500G/0620G	K620 {AO/AA}
{AO/AA} 0900G/1000G	K330 {AO/AA} x 3

Minimum recommended operating temperature 1.5°C (35°F)
 Maximum recommended operating temperature 100°C (212°F)
 For grade AR - (use grade AO element)
 For grade AAR - (use grade AA element)

Description:

- Removal of all the condensate and impurities present within the compressed air.
- No air loss.
- No risk of condensate carry-over.
- Low maintenance requirements.
- Alarm signal.
- Can be used with all components in the compressed air system.

HDF - Zero-loss Mechanical Float Drains



External float drains (with built-in air vent)				
Part Number	air/gas flow without dryer	connections		max p.
	m ³ /h	in	out	bar g
HDF120A	5.400	1/2"	1/2"	16
HDF180A	6.000	1"	1/2"	16
HDF220A	15.000	1"	1/2"	16
External float drains (without air vent)				
HDF120	5.400	1/2"	1/2"	16
HDF180	6.000	1"	1/2"	16
HDF220	15.000	1"	1/2"	16
External float drains (NPT connection - with built in vent)				
HDF220BE	6,500	1"	1/2"	1"

CDV Timed Drains



Part Number	Timed Drains			
	air/gas flow without dryer	connections		max p.
	m ³ /h	in	out	bar g
CDV/24V	9.000	1/2"	3/8"	16
CDV/115V	9.000	1/2"	3/8"	16
CDV/230V	9.000	1/2"	3/8"	16
CDV/50barg	9.000	1/2"	3/8"	50

HDE-X Zero-loss Electronic Drains



Part Number	Electronic level sensing drains			
	air/gas flow without dryer	connections		max p.
	m ³ /h	in	out	bar g
HDE10X	720	1 x G ^{1/2}	G 3/8	16
HDE20X	240	1 x G ^{1/2}	G 3/8	16
HDE30X	420	2 x G ^{1/2}	G 3/8	16
HDE40X	1.800	2 x G ^{1/2}	G 3/8	16
HDE50X	6.000	2 x G ^{1/2}	G 3/8	16

Description:

- Ensure loss free condensate.
- Reliable discharge of condensate.
- Monitor condensate drainage.
- Non-wearing magnetic-core level control for optimised and loss-free discharge of condensate.
- Integrated dirt screen between level measurement and drain valve to protect the diaphragm valve with alarm monitoring.
- Diaphragm valve with large cross-section and condensate pilot control for extended service life.
- Potential-free alarm contact (except ED3002, ED3004).

Ecodrain ED3000 Series

Condensate from aftercooler or refrigeration dryer already drained upstream – only for residual oil content or small quantities of condensate

Standard version with BSP thread (G) for 230V/50 - 60Hz supply voltage (230).

Alternatively, versions with NPT thread (N) or 115V/50 - 60Hz (115) or 24V/50 - 60Hz (024) are available. 24V DC on request.



Part Number	Compressor aftercooler	Refrigeration dryer	Filter	Connections
ED3002-G230	-	-	720 m ³ /h	G 3/8
ED3004-G230	240 m ³ /h	480 m ³ /h	2.400 m ³ /h	1 x G 1/2, G 1/8
ED3007-G230	420 m ³ /h	840 m ³ /h	4,200 m ³ /h	2 x G 1/2, G 1/8
ED3030-G230	1,800 m ³ /h	3,600 m ³ /h	18,000 m ³ /h	2 x G 1/2, G 1/8
ED3100-G230	6,000 m ³ /h	12,000 m ³ /h	60,000 m ³ /h	2 x G 1/2, G 1/8

Range of application: Compressed air up to 16 bar - normal condensates

Description:

- In line filters, designed to protect fuel pumps, carburetors, injectors and related fuel system components.

In line Fuel Filtration - 025 Series



Part Number	Details
025-RAC-10A	GAS FF, 35 GPH (132 LPH), 104 Micron
025-RAC-11	FF/WS, 12 GPH (45 LPH), 12 Micron
025-RAC-12	FF/WS, 12 GPH (45 LPH), 12 Micron

Description:

- Offers reliable protection for smaller diesel and gasoline engines used in generator sets, pressure washers and other equipment.

Features:

- Maximum protection in minimum space.
- Compact size fits tight mounting locations.
- Multiple ports offer installation.
- Flexibility.

Diesel Spin On - 100 Series



Part Number	Details
120AS	FF/WS Assembly, 15 GPH (57 LPH), 2 Micron
120AT	FF/WS Assembly, 15 GPH (57 LPH), 10 Micron
120AP	FF/WS Assembly, 15 GPH (57 LPH), 30 Micron

Description:

- Designed for light and medium duty trucks and vehicles, construction, agricultural and other diesel powered equipment.

Features:

- Comes standard with an integral priming pump and a new see through contaminant bowl.
- Can operate in applications up to 30 psi.
- Improved for greater versatility.

Diesel Spin On - 200 Series



Part Number	Details
215R2	FF/WS Assembly, 15 GPH (57 LPH), 2 Micron
215R10	FF/WS Assembly, 15 GPH (57 LPH), 10 Micron
215R30	FF/WS Assembly, 15 GPH (57 LPH), 30 Micron
230R2	FF/WS Assembly, 30 GPH (114 LPH), 2 Micron
230R10	FF/WS Assembly, 30 GPH (114 LPH), 10 Micron
230R30	FF/WS Assembly, 30 GPH (114 LPH), 30 Micron
245R2	FF/WS Assembly, 45 GPH (170 LPH), 2 Micron
245R10	FF/WS Assembly, 45 GPH (170 LPH), 10 Micron
245R30	FF/WS Assembly, 45 GPH (170 LPH), 30 Micron

Description:

- Ultra high capacity, highly efficient fuel filter/water separators that can also deliver spin on convenience.

Features:

- All units provide flexibility in options to customize and meet specific operating conditions.

Diesel Spin On - 300 Series



Part Number	Details
3150R2	FF/WS Assembly, 150 GPH (568 LPH), 2 Micron
3150R10	FF/WS Assembly, 150 GPH (568 LPH), 10 Micron
3150R30	FF/WS Assembly, 150 GPH (568 LPH), 30 Micron
3250R2	FF/WS Assembly, 250 GPH (946 LPH), 2 Micron
3250R10	FF/WS Assembly, 250 GPH (946 LPH), 10 Micron
3250R30	FF/WS Assembly, 250 GPH (946 LPH), 30 Micron

Description:

- Powerful, integral primer pump makes service quick and easy.

Features:

- Extensive options that allow bus fleets, truck fleets, RV owners and others to tailor a filter/separator system specifically to their operating requirements.

Diesel Spin On - 400 Series



Part Number	Details
445R2	FF/WS Assembly, 45 GPH (170 LPH), 2 Micron
445R10	FF/WS Assembly, 45 GPH (170 LPH), 10 Micron
445R30	FF/WS Assembly, 45 GPH (170 LPH), 30 Micron
460R2	FF/WS Assembly, 60 GPH (227 LPH), 2 Micron
460R10	FF/WS Assembly, 60 GPH (227 LPH), 10 Micron
460R30	FF/WS Assembly, 60 GPH (227 LPH), 30 Micron
490R2	FF/WS Assembly, 90 GPH (341 LPH), 2 Micron
490R10	FF/WS Assembly, 90 GPH (341 LPH), 10 Micron
490R30	FF/WS Assembly, 90 GPH (341 LPH), 30 Micron
4120R2	FF/WS Assembly, 120 GPH (454 LPH), 2 Micron
4120R10	FF/WS Assembly, 120 GPH (454 LPH), 10 Micron
4120R30	FF/WS Assembly, 120 GPH (454 LPH), 30 Micron

- Description:**
- Economical system for engine owners for applications where an integral primer pump is not required.
- Features:**
- Maximize engine protection with low profile, easy to fit filtration system

Diesel Spin On - 600 Series



Part Number	Details
645R2	FF/WS Assembly, 45 GPH (170 LPH), 2 Micron
645R10	FF/WS Assembly, 45 GPH (170 LPH), 10 Micron
645R30	FF/WS Assembly, 45 GPH (170 LPH), 30 Micron
660R2	FF/WS Assembly, 60 GPH (227 LPH), 2 Micron
660R10	FF/WS Assembly, 60 GPH (227 LPH), 10 Micron
660R30	FF/WS Assembly, 60 GPH (227 LPH), 30 Micron
690R2	FF/WS Assembly, 90 GPH (341 LPH), 2 Micron
690R10	FF/WS Assembly, 90 GPH (341 LPH), 10 Micron
690R30	FF/WS Assembly, 90 GPH (341 LPH), 30 Micron
6120R2	FF/WS Assembly, 120 GPH (454 LPH), 2 Micron
6120R10	FF/WS Assembly, 120 GPH (454 LPH), 10 Micron
6120R30	FF/WS Assembly, 120 GPH (454 LPH), 30 Micron

Description:

- A complete, efficient and reliable high capacity engine protection.

Features:

- Cleans fuel, removes water, heats fuel and senses when its time for service.

Turbine Series



Part Number	Replacement Element	Flow	Description
500FG10	2010TM-OR	60 GPH (227 LPH)	Turbine 10 Micron 3/4"-16 UNF
500FG30	2010PM-OR	60 GPH (227 LPH)	Turbine 30 Micron 3/4"-16 UNF
900FH10	2040TM-OR	90 GPH (341 LPH)	Turbine 10 Micron 7/8"-14 UNF
900FH30	2040PM-OR	90 GPH (341 LPH)	Turbine 30 Micron 7/8"-14 UNF
1000FH10	2020TM-OR	180GPH (681 LPH)	Turbine 10 Micron 7/8"-14 UNF
1000FH30	2020PM-OR	180GPH (681 LPH)	Turbine 30 Micron 7/8"-14 UNF
75500FGX10	2010TM-OR	60/ 120GPH (681/1363 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
75500FGX30	2010PM-OR	60/ 120GPH (681/1363 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
75900FHX10	2040TM-OR	90/ 180GPH (681/1363 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
75900FHX30	2040PM-OR	90/ 180GPH (681/1363 LPH)	DuplexTurbine 30 Micron with valve 7/8"-14 UNF
731000FH10	2020TM-OR	360GPH (1363 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
731000FH30	2020PM-OR	360GPH (1363 LPH)	DuplexTurbine 30 Micron with valve 7/8"-14 UNF
751000FHX10	2020TM-OR	180/360GPH (681/1363 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
751000FHX30	2020PM-OR	180/360GPH (681/1363 LPH)	DuplexTurbine 30 Micron with valve 7/8"-14 UNF
771000FH10	2020TM-OR	540GPH (2044 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
771000FH30	2020PM-OR	540GPH (2044 LPH)	DuplexTurbine 30 Micron with valve 7/8"-14 UNF
791000FHV10	2020TM-OR	363/540GPH (1363/ 2044 LPH)	DuplexTurbine 10 Micron with valve 7/8"-14 UNF
791000FHV30	2020PM-OR	363/540GPH (1363/ 2044 LPH)	DuplexTurbine 30 Micron with valve 7/8"-14 UNF

Racor Marine Turbine Filter Series



Part Number	Replacement Element	Flow	Description
500MA10	2010TM-OR	60 GPH (227 LPH)	MarineTurbine, 10 micron 3/4"-16 SAE
500MAM10	2010TM-OR	60 GPH (227 LPH)	ULMarineTurbine, Metal bowl, 10 micron 3/4"-16 SAE
500MAM30	2010PM-OR	60 GPH (227 LPH)	ULMarineTurbine, Metal bowl, 30 micron 3/4"-16 SAE
900MAM30	2040PM-OR	90 GPH (341 LPH)	ULMarineTurbine, Metal bowl 30 micron 7/8"-14 SAE
902MAM30	2040PM-OR	90 GPH (341 LPH)	ULMarineTurbine, Metal bowl 30 micron M22 1.5
1000MAM30	2020PM-OR	180 GPH (681 LPH)	ULMarineTurbine, Metal bowl 30 micron 7/8"-14 UNF
1002MAM30	2020PM-OR	180 GPH (681 LPH)	ULMarineTurbine, Metal bowl, 30 micronM22 1.5
731000MAM30	2020PM-OR	360 GPH (1363 LPH)	ULMarineDuplexTurbine, Metal bowl 30 Micron 3/4"-14 NPT
751000MAX10	2020TM-OR	180/360 GPH (681/1363 LPH)	ULMarineDuplexTurbine with flame guard 10 Micron 7/8"-14 SAE
751000MAXM10	2020TM-OR	180/360 GPH (681/1363 LPH)	ULMarineDuplexTurbine, Metal bowl 10 Micron 7/8"-14 SAE
751000MAXM30	2020PM-OR	180/360 GPH (681/1363 LPH)	ULMarineDuplexTurbine, Metal bowl 30 micron
75500MAXM30	2010PM-OR	60/120 GPH (227/454 LPH)	ULMarineDuplexTurbine, Metal bowl 30 micron 3/4"-16 SAE
75900MAXM30	2040PM-OR	90/180 GPH (341/681 LPH)	ULMarineDuplexTurbine, Metal bowl 30 micron 7/8"-14 SAE
791000MAVM30	2020PM-OR	180/360/540 GPH (681/1363/2044 LPH)	ULMarine TriplexTurbine, Metal bowl 30 Micron 3/4"-14 NPT

FILTRATION

Features:

- All replacement elements are manufactured in quality certified production facilities to ISO TS16949 which meet ISO 14001 environmental requirement.

Replacement Elements

FILTRATION



Racor Standard Canisters



Domed Bottom Canister



Reduced Diameter Canister

100 Series	
Part Number	Description
R11S	Replacement Element, 110A, 2 Micron
R11T	Replacement Element, 110A, 10 Micron
R12S	Replacement Element, 120A, 2 Micron
R12T	Replacement Element, 120A, 10 Micron
R12P	Replacement Element, 120A, 30 Micron
R13S	Replacement Element, 120B, 2 Micron
R13T	Replacement Element, 120B, 10 Micron
R13P	Replacement Element, 120B, 30 Micron
200 Series	
R15S	Replacement Element, 215R, 2 Micron
R15T	Replacement Element, 215R, 10 Micron
R15P	Replacement Element, 215R, 30 Micron
R20S	Replacement Element, 230R, 2 Micron
R20T	Replacement Element, 230R, 10 Micron
R20P	Replacement Element, 230R, 30 Micron
R25S	Replacement Element, 245R, 2 Micron
R25T	Replacement Element, 245R, 10 Micron
R25P	Replacement Element, 245R, 30 Micron
300 Series	
S3207S	Replacement Element, 3250R, 2 Micron
S3207T	Replacement Element, 3250R, 10 Micron
S3207P	Replacement Element, 3250R, 30 Micron
S3225S	Replacement Element, 325R, 2 Micron
S3225T	Replacement Element, 325R, 10 Micron
S3225P	Replacement Element, 325R, 30 Micron
S3226S	Replacement Element, 330R, 2 Micron
S3226T	Replacement Element, 330R, 10 Micron
S3226P	Replacement Element, 325R, 30 Micron
S3238	Replacement Element, 3150R, 10 Micron
S3238P	Replacement Element, 3150R, 30 Micron
R25S	Replacement Element, 345RC, 2 Micron
R25T	Replacement Element, 345RC, 10 Micron
R25P	Replacement Element, 345RC, 30 Micron
R60S	Replacement Element, 360RC, 2 Micron
R60T	Replacement Element, 360RC, 10 Micron
R60P	Replacement Element, 360RC, 30 Micron
R90S	Replacement Element, 390RC, 2 Micron
R90T	Replacement Element, 390RC, 10 Micron
R90P	Replacement Element, 390RC, 30 Micron

Replacement Elements

3

FILTRATION

400 Series	
Part Number	Description
R45S	Replacement Element, 445R, 2 Micron
R45T	Replacement Element, 445R, 10 Micron
R45P	Replacement Element, 445R, 30 Micron
R60S	Replacement Element, 460R, 2 Micron
R60T	Replacement Element, 460R, 10 Micron
R60P	Replacement Element, 460R, 30 Micron
R90S	Replacement Element, 490R, 2 Micron
R90T	Replacement Element, 490R, 10 Micron
R90P	Replacement Element, 490R, 30 Micron
R120S	Replacement Element, 4120R, 2 Micron
R120T	Replacement Element, 4120R, 10 Micron
R120P	Replacement Element, 4120R, 30 Micron
600 Series	
R45S	Replacement Element, 645R, 2 Micron
R45T	Replacement Element, 645R, 10 Micron
R45P	Replacement Element, 645R, 30 Micron
R60S	Replacement Element, 660R, 2 Micron
R60T	Replacement Element, 660R, 10 Micron
R60P	Replacement Element, 660R, 30 Micron
R90S	Replacement Element, 690R, 2 Micron
R90T	Replacement Element, 690R, 10 Micron
R90P	Replacement Element, 690R, 30 Micron
R120S	Replacement Element, 6120R, 2 Micron
R120T	Replacement Element, 6120R, 10 Micron
R120P	Replacement Element, 6120R, 30 Micron

Features:

Coalescer/Separator:

- Coalescer/separator filters are a two stage element that removes water and contaminants from diesel fuel streams and are the most popular filters.

Particulate Filter:

- Particulate filters remove contaminants down to one micron. Particulate filters can also be used upstream, before a water separator filter, to extend filter life.

Water Absorber

- Water absorber filters absorb water and filter out contaminants from diesel fuel.



Part# FBO 60328



Part# FBO 60341



Part# FBO 60344

FBO - 10 (6 x 10 Filter)



Coalescer/ Separator Part Number	Particulate Part Number	Water Absorber Part Number	Micron Rating
FBO 60327	FBO 60330	FBO 60333	1
FBO 60328	FBO 60331	FBO 60334	5
FBO 60353	FBO 60354	FBO 60355	10
FBO 60329	FBO 60332	FBO 60335	25

FBO - 14 (6 x 14 Filter)



Coalescer/ Separator Part Number	Particulate Part Number	Water Absorber Part Number	Micron Rating
FBO 60336	FBO 60339	FBO 60342	1
FBO 60337	FBO 60340	FBO 60343	5
FBO 60356	FBO 60357	FBO 60358	10
FBO 60338	FBO 60341	FBO 60344	25

Features:

- 2 or 6 hole pattern for flexible mounting.
- Indicator gauge shows at a glance when the canister needs changing.
- Disposable canister.
- No mess oil is contained inside.
- Single and double lengths for longer life.

Applications:

- Mobile Equipment, Hydrostatic Drives, Industrial Power Units, Reservoir Breathers.

Installation and Specification Data Model 12AT & 15AT

Filter Material:

- Head: Aluminum
- Cannister: Low Carbon Steel

Pressure Ratings:

Maximum Allowable Operating Pressure (MAOP):
Design Safety Factor:

- 150 psi (10.3 bar)
- 2.5:1

Operating Temperatures:

- -40°F to 225°F (-40°C to 107°C)

Element Collapse Rating:

Element Condition Indicators:

- 100 psid minimum
- Gauge: Color coded 15/25 psi
- Gauge: Color coded vacuum

Pressure Switch:

- Normally open
- 20 +/- 2 psi
- 5 Amps @ 24 VDC

Vacuum Switch:

- Normally open
- 5" +/- 1" Hg
- 1.0 Amp @ 120 VAC

Spin-On- Filters- 12AT/50AT Series



Spin On Filters	Replacement Cannisters		
Part Number	Part Number	12AT/50AT/50AT-2	Media
12AT25CN25BBH	925023	12AT	25C
12AT10CN25BBH	921999	12AT	10C
50AT10CN25DDH	926170	50AT	25C
50AT25CN25DDH	926169	50AT	10C
50AT210CN25DDH	927736	50AT-2	10C

NOTE: Gauges must be ordered separately.

Please note the bolded options reflect standard options with a reduced lead-time. Consult factory on all other lead-time options.

- Description:**
- Smart replacement for the Pall SRT UE element series.
- Features:**
- Replacement for the Pall UE219, UE319 and UE619 series elements with the quality and performance you can expect from Parker.
 - Economical alternative, with extended replacement cycle and lower lifetime cost.
 - Incorporating Parker's unique QuantumFiber™ and Static Control media, for advanced filtration quality.

Parfit Smart1000



Part Number	Compatible with
940400Q	UE219AP04Z
940401Q	UE219AN04Z
940402Q	UE219AS04Z
940403Q	UE219AT04Z
940404Q	UE219AP08Z
940405Q	UE219AN08Z
940406Q	UE219AS08Z
940407Q	UE219AT08Z
940408Q	UE219AP13Z
940409Q	UE219AN13Z
940410Q	UE219AS13Z
940411Q	UE219AT13Z
940412Q	UE219AP20Z
940413Q	UE219AN20Z
940414Q	UE219AS20Z
940415Q	UE219AT20Z
940416Q	UE319AP08Z
940417Q	UE319AN08Z
940418Q	UE319AS08Z
940419Q	UE319AT08Z
940420Q	UE319AP13Z
940421Q	UE319AN13Z
940422Q	UE319AS13Z
940423Q	UE319AT13Z
940424Q	UE319AP20Z
940425Q	UE319AN20Z
940426Q	UE319AS20Z
940427Q	UE319AT20Z
940428Q	UE319AP40Z
940429Q	UE319AN40Z
940430Q	UE319AS40Z
940431Q	UE319AT40Z
940432Q	UE619AP20Z
940433Q	UE619AN20Z
940434Q	UE619AS20Z
940435Q	UE619AT20Z
940436Q	UE619AP40Z
940437Q	UE619AN40Z
940438Q	UE619AS40Z
940439Q	UE619AT40Z



Hydraulic Hoses and Fittings



Hose

- | Hydraulic hoses 114-118

Fittings

- | Hose Fittings 119-125
- | DIN Fittings 126-132
- | Adaptor 133-135
- | Tube Clamps 136-143
- | Polyflex 144-145
- | Quick Couplings 146-173

For more product offerings, please refer to:



Hose, Fittings and Equipment
Catalogue 4400



Industrial Tube Fittings,
Adaptors and Equipment
Catalogue 4300



Quick Coupling Products
Catalogue 3800



Industrial Tube Fittings
Catalogue 4100-9



Polyflex
Catalogue 4462



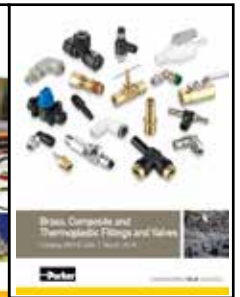
Polyflex
Catalogue 4465



Parflex
Catalogue 4660



Industrial Hose (IHP)
Catalogue 4800



Brass, Fittings and Valves
Catalogue 3501E

		Hydraulic									
Part Number	Fitting Series	Hose Reinforce	Working Pressure Mpa (Psi)								
			-4	-5	-6	-8	-10	-12	-16	-20	
Hydraulic Hose	301SN	43	2 W/B	40 (5800)	35 (5075)	33 (4775)	27.5 (4000)	25 (3600)	21.5 (3100)	16.5 (2400)	12 (1750)
	421SN	43	1 W/B	22.5 (3250)	21.5 (3125)	18 (2600)	16 (2325)	13 (1875)	10.5 (1525)	8.8 (1275)	6 (900)
	787/TC/ST	77	4/6 W/B				35.0 (5000)	35.0 (5000)	35.0 (5000)	35.0 (5000)	35 (5000)
	797/TC/ST	77	4/6 W/S				42.0 (6000)	42.0 (6000)	42.0 (6000)	42.0 (6000)	42 (6000)
Push-Lok	801 Plus BLK/BLU/YEL /RED/GRN	82	1T/B	2.4 (350)		2.4 (350)	2.1 (300)	2.1 (300)	2.1 (300)	1.4 (200)	

Hydraulic Hose	<p>421SN</p>  <p>No-Skive</p>	<p>301SN</p>  <p>No-Skive</p>
Constant Working Pressure	<p>787/TC</p>  <p>GlobalCore</p>	<p>797/TC</p>  <p>GlobalCore</p>
Push-Lok	<p>801</p>  <p>Push-Lok® Plus</p>	

Hose Overview

			Temp Range °C	Specifications			Approval	Page
20	-24	-32		SAE	ISO	ETC		
2.5 (100)	9 (1300)	8 (1150)	-40°C +100°C	100R2	1436-1 Type 2SN	EN853 Type 2SN	DNV	114
3 (100)	5 (725)	4 (575)	-40°C +100°C	100R1	1436 Type 1SN	EN853 Type 1SN	DNV	115
5.0 (100)	35.0 (5000)	35.0 (5000)	-40°C +125°C		18752		DNV/ABS/LR/ MSHA/USCG	116
7.0 (100)	42.0 (6000)	42.0 (6000)	-40°C +125°C		18752		DNV/ABS/LR/ MSHA/USCG	117
			-40 °C +100 °C					118



- Description:**
 - No-Skive thin cover hose construction.
- Tube:**
 - Nitrile (NBR).
- Reinforcement:**
 - Two high tensile steel wire braids.
- Cover:**
 - Synthetic rubber.

- Temperature Range:**
 - -40°C up to +100°C.

- Exception: Air**
 - max +70°C.
- Water**
 - max +85°C.

- Applicable Specifications:**
 - DIN EN 853 2SN - ISO 1436 Type 2 - SAE 100R2AT.
- Recommended fluids:**
 - Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

- Type approvals:**
 - ISO 1436-1 TYPE 2SN / SAE 100R2 TYPE AT, J1942 / EN 853 TYPE 2SN / DNV
- Application:**
 - General medium pressure hydraulic applications.

301SN - No-Skive










# Part number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp 43 Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	
301SN-4	1/4	6.3	0.59	15.0	5800	40.0	3.94	100		0.39	•
301SN-5	5/16	7.9	0.65	16.6	5075	35.0	4.53	115		0.42	•
301SN-6	3/8	9.5	0.75	19.0	4775	33.0	5.12	130		0.55	•
301SN-8	1/2	12.7	0.87	22.2	4000	27.5	7.10	180		0.67	•
301SN-10	5/8	15.9	1.00	25.4	3600	25.0	7.87	200		1.77	•
301SN-12	3/4	19.1	1.15	29.3	3100	21.5	9.45	240		1.00	•
301SN-16	1	25.4	1.50	38.1	2400	16.5	11.81	300		1.49	•
301SN-20	1.1/4	31.8	1.87	47.5	1800	12.5	16.54	420		1.73	•
301SN-24	1.1/2	38.1	2.17	55.0	1300	9.0	19.69	500		2.14	•
301SN-32	2	50.8	2.64	67.0	1150	8.0	24.80	630		2.96	•

Description:	• No-Skive thin cover hose construction.
Tube:	• Nitrile (NBR) inner tube - extended fluid compatibility.
Reinforcement:	• One high tensile steel wire braid.
Cover:	• Synthetic rubber.
Temperature Range:	• -40°C up to +100°C.
Exception: Air	• max +70°C.
Water	• max +85°C.
Applicable Specifications:	• DIN EN 853 1SN - ISO 1436 Type 1 - SAE 100R1AT.
Recommended fluids:	• Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.
Type approvals:	• DNV
Application:	• General medium pressure hydraulic applications.

421SN - No-Skive



# Part number	 Hose I.D.				 Hose O.D.	 max. Working Pressure		 min. Burst Pressure		 min. Bend Radius	 Weight	 Parkrimp
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg	43 Series
	421SN-4	6	1/4	-4	6.3	13.4	22.5	3250	90.0	13000	100	0.24
421SN-5	8	5/16	-5	7.9	15.0	21.5	3125	86.0	12500	115	0.27	•
421SN-6	10	3/8	-6	9.5	17.4	18.0	2600	72.0	10400	130	0.34	•
421SN-8	12	1/2	-8	12.7	20.7	16.0	2325	64.0	9300	180	0.43	•
421SN-10	16	5/8	-10	15.9	23.9	13.0	1875	52.0	7500	200	0.49	•
421SN-12	20	3/4	-12	19.1	27.8	10.5	1525	42.0	6100	240	0.63	•
421SN-16	25	1	-16	25.4	35.8	8.8	1275	35.0	5075	300	0.94	•
421SN-20	32	1.1/4	-20	31.8	44.8	6.3	900	25.2	3600	420	1.19	•
421SN-24	40	1.1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49	•
421SN-32	50	2	-32	50.8	64.7	4.0	575	16.0	2300	630	2.23	•

The combination of high temperature and high pressure could reduce the hose life.

Description:	<ul style="list-style-type: none"> Parker's GlobalCore 787 hose provides 5,000 psi (35 MPa) constant working pressure in all sizes. Compared with conventional spiral hose, 787 hose offers measurably greater advantages in routing and installation, product size and weight, inventory savings and much more. The 787 hose meets ISO 18752 performance specification.
Inner Tube:	<ul style="list-style-type: none"> Proprietary synthetic rubber.
Reinforcement:	<ul style="list-style-type: none"> Four or six spiral steel wires.
Cover:	<ul style="list-style-type: none"> Standard Cover: Synthetic rubber ToughCover: Synthetic rubber abrasion resistant SuperTough: Synthetic rubber super abrasion resistant.
Temperature Range:	<ul style="list-style-type: none"> Standard Cover: -40°F to + 212°F (-40°C to + 100°C) - BC. ToughCover & SuperTough : -40°F to + 257°F (-40°C to + 125°C) - DC.
Application:	<ul style="list-style-type: none"> Petroleum base hydraulic fluids and lubricating oils.
Features:	<ul style="list-style-type: none"> 1/2 ISO 18752 minimum bend radius 4,000 psi constant working pressure in all sizes Meets ISO 18752 performance specification (BC & DC) Nearly 30% smaller O.D. by area than SAE spiral Twice the impulse tested providing a hose superior in both performance and service life Less hose weight than SAE spiral

787 Hydraulic - Constant Working Pressure



ISO 18572 - BC/DC

# Part number	ISO 18752 Performance		Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	Standard Cover	Tough Cover	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	77 Series
	787	787TC											
787-8	BC	DC	1/2	12,5	0.83	21,1	5000	35,0	3-1/2	90	0.45	0,67	•
787-10	BC	DC	5/8	16	0.94	23,9	5000	35,0	4	100	0.54	0,80	•
787-12	BC	DC	3/4	19	1.10	27,9	5000	35,0	4-3/4	120	0.78	1,16	•
787-16	BC	DC	1	25	1.40	35,7	5000	35,0	6	150	1.17	1,74	•
787-20	BC	DC	1-1/4	31,5	1.77	44,9	5000	35,0	8-1/4	210	1.95	2,89	•
787-24	BC	DC	1-1/2	38	2.08	52,8	5000	35,0	10	255	2.66	3,96	•
787-32	BC	DC	2	51	2.66	67,6	5000	35,0	12-1/2	318	4.37	6,50	•

Description:	<ul style="list-style-type: none"> Parker's GlobalCore 797 hose provides 6,000 psi (42 MPa) constant working pressure in all sizes. Compared with conventional spiral hose, 797 hose offers measurably greater advantages in routing and installation, product size and weight, inventory savings and much more. The 797 hose meets ISO 18752 performance specification.
Inner Tube:	<ul style="list-style-type: none"> Proprietary synthetic rubber.
Reinforcement:	<ul style="list-style-type: none"> Four or six spiral steel wires.
Cover:	<ul style="list-style-type: none"> Standard Cover: Synthetic rubber ToughCover: Synthetic rubber abrasion resistant SuperTough: Synthetic rubber super abrasion resistant.
Temperature Range:	<ul style="list-style-type: none"> Standard Cover: -40°F to +212°F [-40°C to +100°C] - BC ToughCover & SuperTough: -40°F to +257°F [-40°C to +125°C] - CC/DC
Application:	<ul style="list-style-type: none"> Petroleum-based hydraulic fluids and lubricating oils.
Features:	<ul style="list-style-type: none"> 1/2 the bend radius of SAE spiral. 6,000 psi constant working pressure in all sizes. Meets ISO 18752 performance specification (BC/CC/DC). Nearly 30% smaller O.D. by area than SAE spiral. Twice the impulse/life - tested to 2,000,000 cycles. Flex impulse tested providing a hose superior in both performance and service life. Less hose weight than SAE spiral.

797 Hydraulic - Constant Working Pressure



ISO 18752 - BC/CC/DC

# Part number	Cover		Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp
	Standard Cover	Tough Cover											
	797	797TC	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	
797-8	BC	DC	1/2	12,5	0.83	21,1	6000	42,0	4	100	0.45	0,67	•
797-10	BC	DC	5/8	16	0.94	23,9	6000	42,0	4-1/2	100	0.54	0,80	•
797-12	BC	DC	3/4	19	1.10	27,9	6000	42,0	5-1/4	135	0.78	1,16	•
797-16	BC	DC	1	25	1.40	35,7	6000	42,0	6-1/2	165	1.17	1,74	•
797-20	BC	DC	1-1/4	31,5	1.77	44,9	6000	42,0	8-3/4	225	1.95	2,89	•
797-24	BC	DC	1-1/2	38	2.08	52,8	6000	42,0	12	305	2.66	3,96	•
797-32	BC	DC	2	51	2.66	67,6	6000	42,0	15	380	4.37	6,50	•

Description: • Parker's Push-Lok Plus multipurpose hose line features the widest fluid compatibility, application range and size range in the industry. It also incorporates the highest working pressure in all sizes, making it the most versatile general-purpose hose available. The Push-Lok system is easy to use. No clamps or special tools are required during installation. And with Parker's exclusive color-code system, you can inventory, maintain and identify your hose needs easily and efficiently. The industry's most complete line of low-pressure 801, 804 hose and fittings, Push-Lok offers the range and versatility to meet all your instrumentation needs.

Inner Tube: • Synthetic rubber

Reinforcement: • One fiber braid

Cover: • Synthetic rubber, MSHA accepted

Temperature Range: • Air: +158°F (+70°C)
• Water: +185°F (+85°C)
• Oil: -40°F to 257°F (-40°C to 125°C)

Application: • Pneumatic, petroleum base hydraulic fluid, lubrication oils and antifreeze solutions.

**** Diesel fuel - approved only when coupled with HY Series fittings.**

Features: • Easy assembly and organization with Parker's exclusive color-code system.
• Push-Lok assemblies can be made in seconds, saving valuable time and cost.
• The unique seal of Push-Lok ensures reliable, durable, leak free service.

801 - Push-Lok Plus®



Multipurpose
Available Cover Colors:


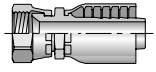
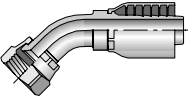
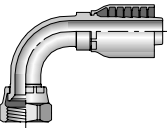

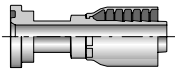
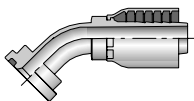
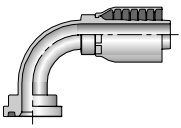

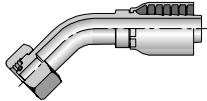
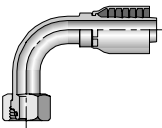


# Part number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Hg Vacuum Rating		Parkrimp	Field Attachable
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	HY Series	82 Series
801-4	1/4	6,3	0.50	12,7	350	2,4	2-1/2	65	0.09	0,13	28	95	•	•
801-6	3/8	10	0.63	15,9	350	2,4	3	75	0.11	0,16	28	95	•	•
801-8	1/2	12,5	0.78	19,8	300	2,1	5	125	0.18	0,27	28	95	•	•
801-10	5/8	16	0.91	23,0	300	2,1	6	150	0.19	0,28	15	51	•	•
801-12	3/4	19	1.03	26,2	300	2,1	7	180	0.24	0,36	15	51	•	•
801-16	1	25	1.28	32,6	200	1,4	10	250	0.37	0,55	15	51	•	•


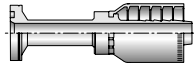
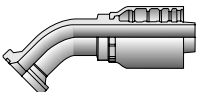
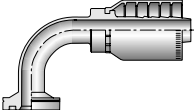
Note:

- Push-Lok is not recommended for any fuel, refrigerant, or for use in air conditioners and heat pump applications.
- Push-Lok is not recommended for applications where extreme pulsation is encountered.


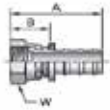
43 Series - Page 120 - 123

 <p>JIC 37°</p>	<p>10643</p>  <p>Female - Swivel</p>	<p>13743</p>  <p>Female - Swivel 45° Elbow - Short</p>	<p>13943</p>  <p>Female - Swivel 90° Elbow - Short</p>
 <p>Code 61 Flange</p>	<p>11543</p>  <p>Flange Head</p>	<p>11743</p>  <p>45° Elbow</p>	<p>11943</p>  <p>90° Elbow</p>
 <p>DIN "S" Series & DIN "S" w/O-Ring</p>	<p>10C43</p>  <p>Female - Swivel 45° Elbow</p>	<p>11C43</p>  <p>Female - Swivel 90° Elbow</p>	

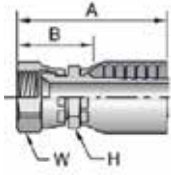
77 Series - Page 124

 <p>Flange Code 62</p>	<p>16A77</p>  <p>Code 62 - Straight</p>	<p>16F77</p>  <p>Code 62 - 45° Elbow</p>	<p>16N77</p>  <p>Code 62 - 90° Elbow</p>
--	--	---	---

82 Series - Page 125

 <p>JIC 37°</p>	<p>30682</p>  <p>Female JIC - Swivel</p>
---	---

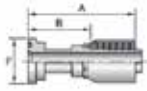
10643 - Female JIC 37° - Swivel






# Part number	Thread		Hose I.D.	A		H	W	B		Additional Material Stainless Steel (C)
	inch		inch	inch	mm	inch	inch	inch	mm	
10643-4-4	1/4	7/16x20	1/4	1.94	49	9/16	9/16	1.19	30	•
10643-4-6	1/4	7/16x20	3/8	2.20	56	11/16	9/16	1.17	30	•
10643-5-4	5/16	1/2x20	1/4	2.03	52	9/16	5/8	1.28	33	
10643-5-5	5/16	1/2x20	5/16	2.08	53	11/16	5/8	1.33	34	
10643-5-6	5/16	1/2x20	3/8	2.26	57	11/16	5/8	1.23	31	
10643-6-4	3/8	9/16x18	1/4	2.05	52	9/16	11/16	1.30	33	•
10643-6-5	3/8	9/16x18	5/16	2.10	53	11/16	11/16	1.35	34	
10643-6-6	3/8	9/16x18	3/8	2.29	58	11/16	11/16	1.26	32	•
10643-6-8	3/8	9/16x18	1/2	2.51	64	13/16	11/16	1.25	32	•
10643-8-6K	1/2	3/4x16	3/8	2.39	61	11/16	7/8	1.36	35	•
10643-8-8	1/2	3/4x16	1/2	2.77	67	13/16	7/8	1.51	35	•
10643-8-10	1/2	3/4x16	5/8	2.82	72	15/16	7/8	1.38	35	
10643-8-12	1/2	3/4x16	3/4	2.83	72	1-1/16	7/8	1.39	35	
10643-10-6	5/8	7/8x14	3/8	2.51	64	7/8	1	1.48	38	
10643-10-8	5/8	7/8x14	1/2	2.85	72	7/8	1	1.59	40	•
10643-10-10	5/8	7/8x14	5/8	2.93	74	15/16	1	1.49	38	•
10643-10-12	5/8	7/8x14	3/4	2.93	74	1-1/16	1	1.49	38	
10643-12-8	3/4	1-1/16x12	1/2	2.78	71	1-1/16	1-1/4	1.52	39	
10643-12-10	3/4	1-1/16x12	5/8	3.10	79	1-1/16	1-1/4	1.66	42	
10643-12-12	3/4	1-1/16x12	3/4	3.17	81	1-1/16	1-1/4	1.73	44	•
10643-12-16	3/4	1-1/16x12	1	3.29	84	1-3/8	1-1/4	1.67	42	
10643-14-12	7/8	1-3/16x12	3/4	3.18	81	1-1/4	1-3/8	1.74	44	
10643-16-12	1	1-5/16x12	3/4	3.31	84	1-1/4	1-1/2	1.87	47	•
10643-16-16	1	1-5/16x12	1	3.62	92	1-3/8	1-1/2	2.00	51	•
10643-20-16	1-1/4	1-5/8x12	1	3.81	97	1-5/8	2	2.19	56	
10643-20-20	1-1/4	1-5/8x12	1-1/4	3.94	100	1-7/8	2	2.25	57	•
10643-24-24	1-1/2	1-7/8x12	1-1/2	3.84	98	2-1/8	2-1/4	2.47	63	
10643-32-32	2	2-1/2x12	2	4.73	120	2-1/2	2-7/8	2.95	75	

Stainless steel fittings must be assembled with Karrykrimp 2, PHastkrimp, Superkrimp or Parkrimp 2.
ISO 12151-5

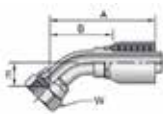
11543 - SAE Code 61 Flange Head







# Part number					F	B	
	inch	inch	inch	mm	inch	inch	mm
11543-8-8	1/2	1/2	3.48	88	1-3/16	2.22	56
11543-10-10	5/8	5/8	3.78	96,0	1-11/32	2.34	59,4
11543-12-12	3/4	3/4	3.54	90	1-1/2	2.10	53
11543-16-16	1	1	4.25	108	1-3/4	2.63	67
11543-20-20	1-1/4	1-1/4	4.70	119	2	3.01	76
11543-24-24	1-1/2	1-1/2	4.59	117	2-3/8	3.22	82
11543-32-32	2	2	4.99	127	2-13/16	3.21	82

ISO 12151-3 - S - L

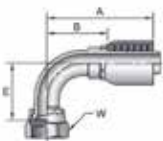
13743 - Female JIC 37° - Swivel - 45° Elbow - Short Drop







# Part number						E			B	
	inch		inch	inch	mm	inch	mm	inch	inch	mm
13743-4-4K	1/4	7/16x20	1/4	1.97	50	0.39	10	9/16	1.22	31
13743-6-6	3/8	9/16x18	3/8	2.39	61	0.39	10	3/4	1.39	35
13743-8-8	1/2	3/4x16	1/2	2.83	72	0.55	14	7/8	1.57	40
13743-10-10K	5/8	7/8x14	5/8	3.17	80	0.63	16	1	1.72	44
13743-12-12K	3/4	1-1/16x12	3/4	3.91	99	1.06	27	1.1/4	2.47	63
13743-16-16K	1	1-5/16x12	1	4.76	121	1.30	33	1.1/2	3.14	80
13743-20-20K	1-1/4	1-5/8x12	1-1/4	4.59	117	1.19	30	2	2.82	72
13743-24-24K	1-1/2	1-7/8x12	1-1/2	5.50	140	1.47	37	2-1/4	4.18	106

ISO 12151-5

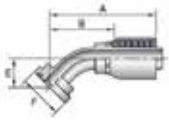
13943 - Female JIC 37° - Swivel - 90° Elbow - Short Drop






# Part number						E			B		Additional Material Stainless Steel (C)
	inch		inch	inch	mm	inch	mm	inch	inch	mm	
13943-4-4	1/4	7/16x20	1/4	1.78	45	0.83	21	9/16	1.03	26	
13943-6-6	3/8	9/16x18	3/8	0.91	56	0.91	23	11/16	1.18	30	•
13943-8-8	1/2	3/4x16	1/2	1.14	67	1.14	29	7/8	1.36	35	
13943-10-10K	5/8	7/8x14	5/8	1.34	76	1.34	34	1	1.53	39	
13943-12-12K	3/4	1-1/6x12	3/4	1.89	89	1.89	48	1-1/4	2.05	52	•
13943-16-16K	1	1-5/16x12	1	2.76	110	2.76	70	1-1/2	2.71	69	•
13943-20-20	1-1/4	1-5/8x12	1-1/4	2.59	113	2.59	66	2	2.74	70	
13943-24-24K	1-1/2	1-7/8x12	1-1/2	3.81	140	3.81	81	2-1/4	4.13	105	
13943-32-32	2	2-1/2x12	2	4.62	171,4	4.62	117	2-7/8	4.97	126,2	

ISO 12151-5

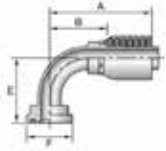
11743 - SAE Code 61 Flange Head - 45° Elbow







# Part number					E		F	B	
	Flange	Hose I.D.	inch	mm	inch	mm	inch	inch	mm
11743-8-8K	1/2	1/2	3.19	81	0.87	22	1-3/16	1.93	49
11743-10-10	5/8	5/8	4.63	118	0.94	24	1-11/32	3.19	81
11743-12-12	3/4	3/4	3.85	98	1.02	26	1-1/2	2.41	61
11743-16-16	1	1	4.76	121	1.26	32	1-3/4	3.14	80
11743-20-20	1-1/4	1-1/4	5.61	142	1.50	38	2	3.92	100
11743-24-24K	1-1/2	1-1/2	5.84	148	1.61	41	2-3/8	4.47	114
11743-32-32K	2	2	7.19	183	1.97	50	2-13/16	5.41	138

ISO 12151-3 - E45S - L (1 Piece: ISO 12151-3 - E45M - L)

11943 - SAE Code 61 Flange Head - 90° Elbow







# Part number					E			B	
	Flange	Hose I.D.	inch	mm	inch	mm	inch	inch	mm
11943-8-8K	1/2	1/2	3.14	80	1.69	43	1-3/16	1.88	48
11943-10-10	5/8	5/8	3.71	94	2.10	53	1-11/32	2.27	58
11943-12-12	3/4	3/4	3.51	89	2.28	58	1-1/2	2.07	53
11943-16-16K	1	1	4.37	111	2.76	70	1-3/4	2.75	70
11943-20-20	1-1/4	1-1/4	5.12	130	3.54	90	2	3.43	87
11943-24-24K	1-1/2	1-1/2	5.55	141	4.09	104	2-3/8	4.18	106
11943-32-32K	2	2	7.11	181	4.72	120	2-13/16	5.33	135

ISO 12151-3 - E90S - L (1 Piece: ISO 12151-3 - E90M - L)

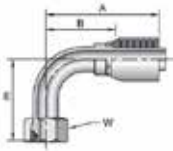
10C43 - Female Metric S - Swivel - 45° Elbow - (24° Cone with O-Ring)



# Part number					E			B		
	Thread	Hose I.D.	inch	mm	inch	mm	mm	inch	mm	
10C43-12-6K	12	M20x1,5	3/8	2.69	68	0.79	20	24	1.66	42
10C43-16-8	16	M24x1,5	1/2	3.23	82	0.94	24	30	1.89	48
10C43-20-10K	20	M30x2	5/8	3.58	91	0.98	25	36	2.05	52
10C43-20-12K	20	M30x2	3/4	3.94	100	1.14	29	36	2.36	60
10C43-25-12K	25	M36x2	3/4	4.10	104	1.24	34	46	2.66	68
10C43-30-12K	30	M42x2	1	4.96	126	1.42	36	50	3.11	79

ISO 12151-2 - SWE45

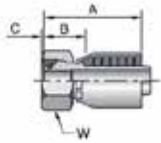
11C43 - Female Metric S - Swivel - 90° Elbow - (24° Cone with O-ring)



# Part number	Thread		Hose I.D.	A		E		W	B		Additional Material Stainless Steel (C)
	mm	inch	inch	mm	inch	mm	inch	inch	mm		
11C43-8-4	8	M16x1,5	1/4	1.89	48	1.14	29	19	1.02	26	
11C43-10-4K	10	M18x1,5	1/4	1.86	47	1.34	34	22	1.11	28	•
11C43-12-6K	12	M20x1,5	3/8	2.64	67	1.46	37	24	1.62	41	•
11C43-14-6K	14	M22x1,5	3/8	2.51	64	1.46	37	27	1.48	38	
11C43-16-8K	16	M24x1,5	1/2	2.93	75	1.77	45	30	1.68	43	•
11C43-20-10K	20	M30x2	5/8	3.14	80	2.05	52	36	1.70	43	
11C43-25-12K	25	M36x2	3/4	3.41	87	2.56	65	46	1.47	50	
11C43-30-16K	30	M42x2	1	4.71	120	2.95	75	50	3.09	78	•
11C43-38-20K	38	M52x2	1-1/4	5.23	133	3.94	100	60	3.54	90	

ISO 12151-2 - SWE

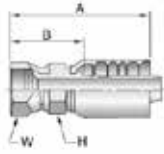
1C943 - Female Metric L - Swivel - (24° Cone with O-Ring)



# Part number	Thread		Hose I.D.	A		C		W	B		Additional Material Stainless Steel (C)
	mm	inch	inch	mm	inch	mm	mm	inch	mm		
1C943-6-4K	6	M14x1,5	1/4	1.79	45	0.01	0	17	1.04	26	
1C943-8-4K	8	M16x1,5	1/4	1.69	43	0.01	0	19	0.94	24	
1C943-10-4K	10	M18x1,5	1/4	1.69	43	0.01	0	22	0.94	24	•
1C943-10-6K	10	M18x1,5	3/8	2.06	52	0.01	0	22	1.03	26	
1C943-12-6K	12	M20x1,5	3/8	2.03	52	0.03	1	24	1.00	25	•
1C943-14-6K	14	M22x1,5	3/8	2.09	53	0.03	1	27	1.06	27	•
1C943-16-8K	16	M24x1,5	1/2	2.30	59	0.09	2	30	1.05	27	
1C943-20-10K	20	M30x2	5/8	2.59	66	0.05	1	36	1.06	27	
1C943-20-12K	20	M30x2	3/4	2.60	66	0.05	1	36	1.16	29	•
1C943-25-12K	25	M36x2	3/4	2.65	67	0.10	3	46	1.21	31	•
1C943-25-16	25	M36x2	1	3.07	78	0.08	2	46	1.30	33	•
1C943-30-16K	30	M42x2	1	3.05	77	0.19	5	50	1.43	36	•
1C943-38-20K	38	M52x2	1-1/4	3.16	80	0.23	6	60	1.47	37	

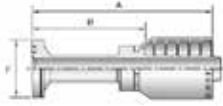
ISO 12151-2 - SWS

10677 - Female JIC 37° - Swivel - Straight



# Part number	Thread		Hose I.D.	A		H	W	B		Additional Material Stainless Steel (C)
	inch	mm	inch	inch	mm	mm	mm	inch	mm	
10677-8-8	1/2	3/4x16	1/2	2.79	71,1	22	22	1.58	40,1	•
10677-12-12	3/4	1-1/16x12	3/4	3.68	93,5	30	32	2.05	52,0	•
10677-16-16	1	1-5/16x12	1	4.16	105,7	36	41	2.21	56,2	•
10677-20-20	1-1/4	1-5/8x12	1-1/4	4.86	123,5	46	50	2.59	65,8	•
10677-24-24	1-1/2	1-7/8x12	1-1/2	5.34	125,7	50	60	2.95	75,0	
10677-32-32	2	2-1/2x12	2	6.29	159,8	65	75	3.54	89,9	

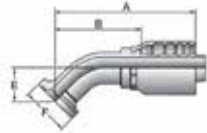
16A77 - SAE Code 62 Flange Head - Straight



# Part number	Flange	Hose I.D.	A		F	B	
	inch	inch	inch	mm	mm	inch	mm
16A77-12-12	3/4	3/4	4.49	113,9	1-5/8	2.85	72,5
16A77-16-16	1	1	5.26	133,6	1-7/8	3.31	84,1
16A77-20-20	1-1/4	1-1/4	5.73	145,6	2-1/8	3.46	87,8
16A77-24-24	1-1/2	1-1/2	6.39	162,3	2-1/2	4.00	101,6
16A77-32-32	2	2	7.17	182,1	3-1/8	4.41	112,0

ISO 12151-3-S-5

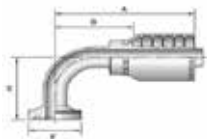
16F77 - SAE Code 62 Flange Head - 45° Elbow



# Part number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	inch	inch	mm
16F77-12-12	3/4	3/4	4.57	116,0	1.02	26,0	1-5/8	2.93	74,5
16F77-16-16	1	1	5.11	129,8	1.26	32,0	1-7/8	7/8	80,3
16F77-20-20	1-1/4	1-1/4	6.27	159,3	1.50	38,0	2-1/8	1/8	101,6
16F77-24-24	1-1/2	1-1/2	7.15	181,6	1.73	44,0	2-1/2	4.76	120,9
16F77-32-32	2	2	8.31	210,9	2.20	56,0	3-1/8	5.55	141,0

ISO 12151-3-E45M-S

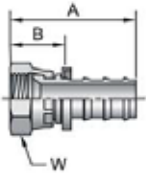
16N77 - SAE Code 62 Flange Head - 90° Elbow



# Part number	Flange	Hose I.D.	A		E		F	B	
	inch	inch	inch	mm	inch	mm	mm	inch	mm
16N77-8-8	1/2	1/2	2.77	70,5	1.61	41,0	1-1/4	1.55	39,5
16N77-12-12	3/4	3/4	4.24	107,6	2.28	58,0	1-5/8	2.60	66,1
16N77-16-16	1	1	4.72	119,9	2.76	70,0	1-7/8	2.77	70,4
16N77-20-20	1-1/4	1-1/4	5.81	147,6	3.54	90,0	2-1/8	3.54	90,0
16N77-24-24	1-1/2	1-1/2	6.68	169,7	4.09	104,0	2-1/2	4.29	109,0
16N77-32-32	2	2	8.12	206,1	5.43	138,0	3-1/8	5.36	136,2

ISO 12151-3-E90M-S

30682 - Female JIC 37° - Swivel



# Part number	Thread		Hose I.D.	A		W	B		Additional Material	
	inch		inch	inch	mm	inch	inch	mm	Brass (B)	Stainless Steel (C)
30682-4-4	1/4	7/16x20	1/4	1.52	39	9/16	0.77	20	•	•
30682-6-6	3/8	9/16x18	3/8	1.75	44	11/16	0.85	22	•	•
30682-8-8	1/2	3/4x16	1/2	2.02	51	7/8	0.97	25	•	•
30682-12-12	3/4	1-1/16x12	3/4	2.65	67	1-1/4	1.20	30	•	•
30682-16-16	1	1-5/16x12	1	2.77	70	1-1/2	1.32	34	•	

Description:

- The main function of Ermeto DIN banjo fittings is to connect different numbers of tubes or hoses. This broad range of DIN banjo fittings, types from WH-M-KDS, TH-R up to DSVW-R is available in steel with Cr(VI)-free surfaces and in a stainless steel version. Depending on the specific application, these fittings can be delivered with cutting ring (EO-PSR or DPR) or elastomeric seal (EO-2).

Connection :

- G 1/8 to G 1 1/2; M 08x1.0 to M48x2.0

Application:

- Suitable for general hydraulic applications

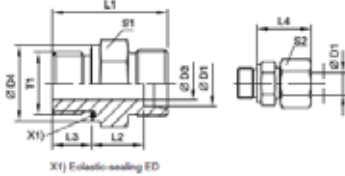
Features:

- High corrosion resistance: The Cr(VI)-free surface treatment gives an average corrosion resistance of more than 500 hours to white rust. This attribute extends the life cycle of the fittings.
- Stainless steel surface: Stainless steel fittings have a high corrosion resistance to aggressive media and environmental influences, also a higher temperature resistance, than steel. These features extend the range of applications.
- High pressure: fittings have pressure ratings of up to 400 bar (S series) and 315 bar (L series). These features increase the range of applications.



How to order GE-R-ED Male stud connector

Male BSPP thread – ED-seal (ISO 1179) / EO 24° cone end



The right way to order made easy!

Step 1

Selecting order code

- 1.1 All fitting sizes available in our fitting program are clearly listed in the index at the front of this catalogue.
- 1.2 Open the catalogue at the corresponding page containing detailed information of the product of your choice.
- 1.3 Select the required fitting size! The basic order code is printed in bold type on the righthand side of the table of dimensions.

Example: GE16SREDOMD

Step 2

Selecting material, surface and sealing-material

Now simply add the corresponding code for the surface and material variant of the product you require to the basic order code. This code is contained in the table printed at the bottom of every page.

2.1 Alternative sealing material

Example: Cr(VI)-free steel fitting with ED-seal in FKM material.
 GE16SRED+OMD+VIT+CF
 = GE16SREDVITOMDCF

Example: Stainless steel fitting with ED-seal in NBR material (e. g. Perbunan).
 GE16SREDOMD+NBR+71
 = GE16SREDNBROMD71

Step 3

When ordering fittings complete with nuts and rings

3.1. Metal sealed cutting rings PSR/DPR/D: For these types please delete the 'OMD' or 'X' suffixes.

Example: GE16SREDCF

3.2. Soft sealed EO-2 functional nut: For these types please delete the 'OMD' or 'X' suffixes and add a 'Z' before the series suffix (LL, L, S)

Example: order with EO-2 functional nut
 GE16(+Z)SREDCF = GE16ZSREDCF

Perbunan = registered trademark of Bayer

Series	D1	T1	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece	Order code*	CF	71	MS
S ⁴	06	G 1/4 A	4	19	32.0	13.0	12	28	19	17	35	GE06SR3REDOMD	800	630	400
	06	G 1/8 A	4	14	27.5	12.5	8	27	14	17	21	GE06SR1REDOMD	500	315	
	06	G 3/8 A	4	22	34.5	15.5	12	30	22	17	52	GE06SR3REDOMD	630	630	
	06	G 1/2 A	4	27	39.0	18.0	14	33	27	17	83	GE06SR1ZEDOMD	630	400	
	08	G 1/4 A	5	19	34.0	15.0	12	30	19	19	41	GE08SREDOMD	800	630	
08	08	G 3/8 A	5	22	34.5	15.5	12	30	22	19	57	GE08SR3REDOMD	800	630	400
	08	G 1/2 A	5	27	39.0	18.0	14	33	27	19	89	GE08SR1ZEDOMD	630	400	
	10	G 3/8 A	7	22	34.5	15.0	12	31	22	22	55	GE10SREDOMD	800	630	
	10	G 1/4 A	5	19	34.0	14.5	12	31	19	22	42	GE10SR14EDOMD	800	630	
	10	G 1/2 A	7	27	39.0	17.5	14	34	27	22	97	GE10SR1ZEDOMD	630	630	
12	12	G 3/8 A	8	22	36.5	17.0	12	33	22	24	62	GE12SREDOMD	630	630	400
	12	G 1/4 A	5	19	36.0	16.5	12	33	22	24	61	GE12SREDOMD	630	630	
	12	G 1/2 A	8	27	39.0	17.5	14	34	27	24	99	GE12SREDOMD	630	630	
	14	G 1/2 A	10	27	41.0	19.0	14	37	27	27	96	GE14SR3/8EDOMD	630	630	
	14	G 3/8 A	8	22	38.5	18.5	12	36	24	27	77	GE14SR3/4EDOMD	630	630	
16	16	G 3/4 A	10	32	45.0	21.0	16	39	32	27	177	GE16SREDOMD	800	400	250
	16	G 1/2 A	12	27	41.0	18.5	14	37	27	30	141	GE16SR3/8EDOMD	630	400	
	16	G 3/8 A	8	22	38.5	18.0	12	36	27	30	141	GE16SR3/8EDOMD	630	400	
	16	G 3/4 A	12	32	45.0	20.5	16	39	32	30	141	GE16SR3/4EDOMD	630	400	
	20	G 3/4 A	16	32	47.0	20.5	16	42	32	36	141	GE20SREDOMD	420	400	
20	20	G 1/2 A	12	27	46.0	20.5	14	42	32	36	142	GE20SREDOMD	420	400	250
	20	G 1 A	16	40	51.0	22.5	18	44	41	36	285	GE20SR1ZEDOMD	420	400	
	20	G 1 1/4 A	16	50	53.0	22.5	20	44	50	36	404	GE20SR1ZEDOMD	420	400	
	25	G 1 A	20	40	53.0	23.0	18	47	41	46	266	GE25SREDOMD	420	400	
	25	G 1/2 A	12	27	49.0	23.0	14	47	41	46	229	GE25SR1ZEDOMD	420	400	
25	25	G 3/4 A	16	32	51.0	23.0	16	47	41	46	255	GE25SR34EDOMD	420	400	250
	25	G 1 1/4 A	20	50	55.0	23.0	20	47	50	46	411	GE25SR114EDOMD	420	400	
	25	G 1 1/2 A	20	55	60.0	26.0	22	50	55	46	549	GE25SR112EDOMD	315	315	
	30	G 1 1/4 A	25	50	57.0	23.5	20	50	50	50	418	GE30SREDOMD	420	400	
	30	G 1 A	20	40	55.0	23.5	18	50	46	50	344	GE30SR1EDOMD	420	400	
30	30	G 1 1/2 A	25	55	62.0	26.5	22	53	55	50	530	GE30SR112EDOMD	315	315	200
	38	G 1 1/2 A	32	55	64.0	26.0	22	57	55	60	563	GE38SREDOMD	420	400	
	38	G 1 1/4 A	25	50	62.0	26.0	20	57	55	60	575	GE38SR114EDOMD	420	315	

*) Pressure shown = from deliverable

†) S = heavy series

PN (bar) = PN (MPa) / 10

Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the suffixes below according to the material/surface required

Material	GE16SREDOMDCF	Standard sealing material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	GE16SREDOMD71	NBR
Stainless Steel	GE16SREDOMDMS	VIT
Brass		NBR

The corresponding order variant is contained in the table printed at the bottom of every DIN chapter.

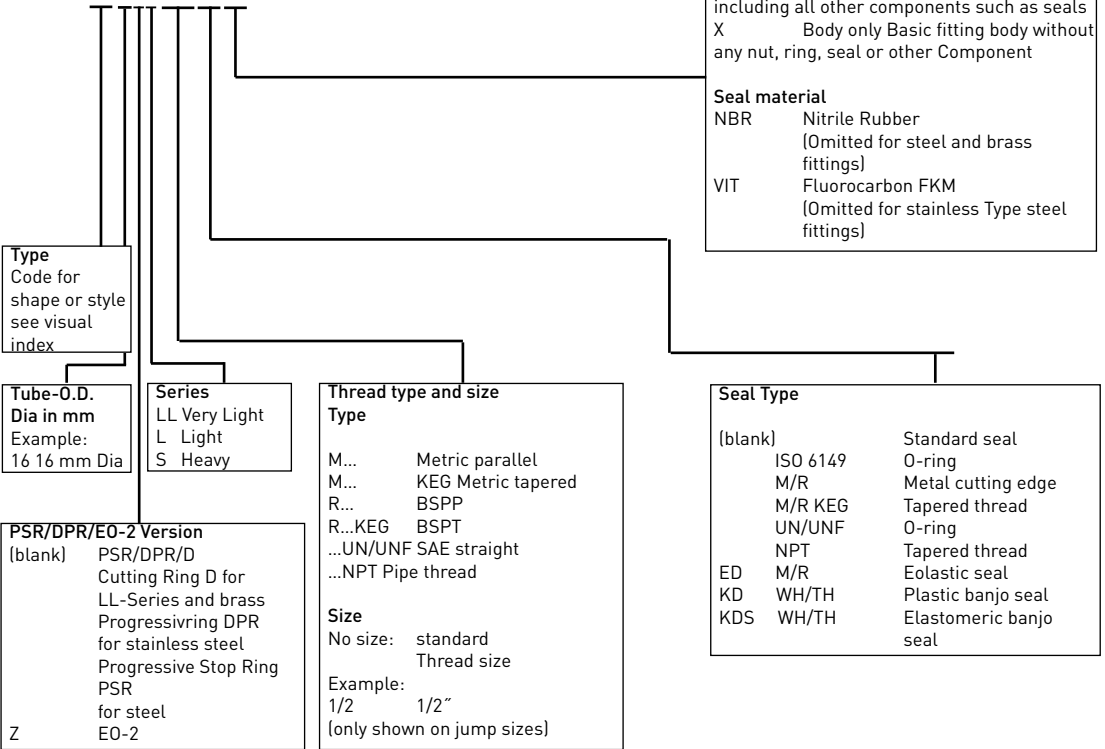


How to order EO-Fittings

EO 24° cone end / EO 24° DKO swivel

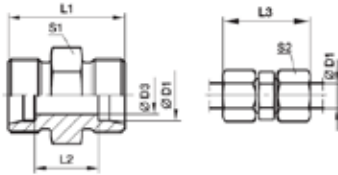
FLUID CONNECTORS

Nomenclature
Example: GE16ZS R3/8EDCF



Examples	Description	Examples	Description
Order code	Description	Order code	Description
GE12ZSR1/2EDCF	Straight male stud, EO-2, 20 mm tube O.D., heavy series, G 1/2 BSPP, Eolastic seal, complete with nut and ring, Cr(VI)-free steel fitting, all seals NBR	EVT08LOMDMS	Adjustable standpipe branch tee, 8 mm tube O.D., light series, brass fitting without nut and ring, standpipe preassembled with nut and ring.
GE12LR71X	Straight male stud, 12 mm tube O.D., light series, G 3/8 BSPP, metal seal type B, stainless steel fitting, body only	EL38VITOMDCF	Adjustable swivel nut run tee 38 mm tube O.D., heavy series, zinc-plated steel fitting without nut and ring. Swivel nut end with FKM seal
		DOZ04LL	Spare seal for EO-2 joints, 4 mm O.D., very light series, steel with nitrile rubber seal

Perbunan = registered trademark of Bayer



Part Number	Series	D1	D3	L1	L2	L3	S1	S2	Weight g/1 piece	PN (bar) ¹⁾		
										CF	71	MS
G04LL	LL ²⁾	04	3.0	20	12	31	9	10	5	100	100	63
G06LL		06	4.5	20	9	32	11	12	7	100	100	63
G08LL		08	6.0	23	12	35	12	14	10	100	100	63
G10LL		10	8.0	23	12	35	14	17	13	100	100	63
G12LL		12	10.0	23	11	35	17	19	16	100	100	63
G06L	L ³⁾	06	4.0	24	10	39	12	14	12	500	315	200
G08L		08	6.0	25	11	40	14	17	16	500	315	200
G10L		10	8.0	27	13	42	17	19	32	500	315	200
G12L		12	10.0	28	14	43	19	22	28	400	315	200
G15L		15	12.0	30	16	46	24	27	51	400	315	200
G18L		18	15.0	31	16	48	27	32	69	400	315	200
G22L		22	19.0	35	20	52	32	36	90	250	160	100
G28L		28	24.0	36	21	54	41	41	137	250	160	100
G35L		35	30.0	41	20	63	46	50	214	250	160	100
G42L		42	36.0	43	21	66	55	60	296	250	160	100
G06S	S ⁴⁾	06	4.0	30	16	45	14	17	26	800	630	400
G08S		08	5.0	32	18	47	17	19	37	800	630	400
G10S		10	7.0	32	17	49	19	22	44	800	630	400
G12S		12	8.0	34	19	51	22	24	60	630	630	400
G14S		15	10.0	38	22	57	24	27	77	630	630	400
G16S		16	12.0	38	21	57	27	30	90	630	400	250
G20S		20	16.0	44	23	66	32	36	143	420	400	250
G25S		25	20.0	50	26	74	41	46	251	420	400	250
G30S		30	25.0	54	27	80	46	50	330	420	400	250
G38S		38	32.0	61	29	90	55	60	545	420	315	200

¹⁾ Pressure shown = item deliverable

²⁾ LL = very light series; ³⁾ L = light series ⁴⁾ S = heavy series

PN (bar) = PN (MPa)

10

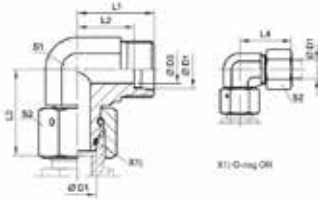
Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CFX	G16SCFX
Stainless Steel	71X	G16S71X
Brass	MSX	G16SMSX

*Please add the suffixes below according to the material/surface required.



EW Swivel nut elbow - EO 24° cone end / EO 24° DKO swivel

FLUID CONNECTORS



Part Number	Series	D1	D3	L1	L2	L3	L4	S1	S2	Weight g/1 piece	PN (bar) ¹⁾	
											CF	71
EW06LOMD	L ³⁾	06	4	19	12.0	26.0	27	12	14	34	500	315
EW08LOMD		08	6	21	14.0	27.5	29	12	17	43	500	315
EW10LOMD		10	8	22	15.0	29.0	30	14	19	58	500	315
EW12LOMD		12	10	24	17.0	29.5	32	17	22	81	400	315
EW15LOMD		15	12	28	21.0	32.5	36	19	27	128	400	315
EW18LOMD		18	15	31	23.5	35.5	40	24	32	197	400	315
EW22LOMD		22	19	35	27.5	38.5	44	27	36	258	250	160
EW28LOMD		28	24	38	30.5	41.5	47	36	41	370	250	160
EW35LOMD		35	30	45	34.5	51.0	56	41	50	593	250	160
EW42LOMD		42	36	51	40.0	56.0	63	50	60	993	250	160
EW06SOMD	S ⁴⁾	06	4	23	16.0	27.0	31	12	17	48	800	630
EW08SOMD		08	5	24	17.0	27.5	32	14	19	65	800	630
EW10SOMD		10	6	25	17.5	30.0	34	17	22	92	800	630
EW12SOMD		12	8	29	21.5	31.0	38	17	24	107	630	630
EW14SOMD		14	9	30	22.0	35.0	40	19	27	146	630	630
EW16SOMD		16	12	33	24.5	36.5	43	24	30	212	630	400
EW20SOMD		20	16	37	26.5	44.5	48	27	36	309	420	400
EW25SOMD		25	20	42	30.0	50.0	54	36	46	547	420	400
EW30SOMD		30	25	49	35.5	55.0	62	41	50	744	420	400
EW38SOMD		38	32	57	41.0	63.0	72	50	60	1222	420	315

¹⁾ Pressure shown = item deliverable

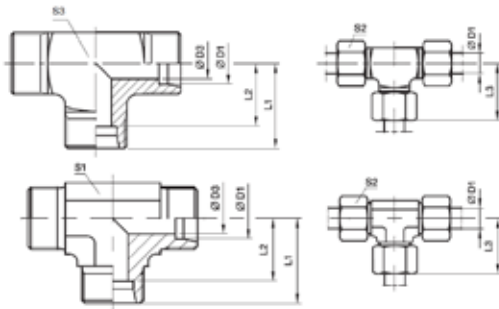
³⁾ L = light series; ⁴⁾ S = heavy series

PN [bar] = PN [MPa]

10

Order code suffixes			
Material	Suffix surface and material	Example	Standard seating material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	CF	EW16SOMDCF	NBR
Stainless Steel	71	EW16SOMD71	VIT

*Please add the suffixes below according to the material/surface required.

T Union tee EO 24° cone end


profile body steel and brass (S3)

Series LL 4–10 mm D1

Series L 6+ 8 mm D1

Series S 6 mm D1

Part Number	Series	D1	D3	L1	L2	L3	S1	S2	S3	Weight g/1 piece	PN (bar) ¹⁾		
											CF	71	MS
T04LL	LL ²⁾	04	3.0	15	11.0	21	9	10	9	19	100	100	63
T06LL		06	4.5	15	9.5	21	9	12	11	20	100	100	63
T08LL		08	6.0	17	11.5	23	12	14	12	27	100	100	63
T10LL		10	8.0	18	12.5	24	12	17	14	39	100	100	63
T12LL		12	10.0	21	15.0	27	14	19		45	100	100	63
T06L	L ³⁾	06	4.0	19	12.0	27	12	14	12	37	500	315	200
T08L		08	6.0	21	14.0	29	12	17	14	53	500	315	200
T10LL		10	8.0	22	15.0	30	14	19		48	500	315	200
T12LL		12	10.0	24	17.0	32	17	22		65	400	315	200
T15LL		15	12.0	28	21.0	36	19	27		106	400	315	200
T18LL		18	15.0	31	23.5	40	24	32		179	400	315	200
T22LL		22	19.0	35	27.5	44	27	36		225	250	160	100
T28LL		28	24.0	38	30.5	47	36	41		396	250	160	100
T35LL		35	30.0	45	34.5	56	41	50		567	250	160	100
T42LL		42	36.0	51	40.0	63	50	60		905	250	160	100
T06S	S ⁴⁾	06	4.0	23	16.0	31	12	17	14	68	800	630	400
T08S		08	5.0	24	17.0	32	14	19		70	800	630	400
T10S		10	7.0	25	17.5	34	17	22		91	800	630	400
T12S		12	8.0	29	21.5	38	17	24		117	630	630	400
T14S		14	10.0	30	22.0	40	19	27		136	630	630	400
T16S		16	12.0	33	24.5	43	24	30		202	630	400	250
T20S		20	16.0	37	26.5	48	27	36		289	420	400	250
T25S		25	20.0	42	30.0	54	36	46		545	420	400	250
T30S		30	25.0	49	35.5	62	41	50		758	420	400	250
T38S		38	32.0	57	41.0	72	50	60		1264	420	315	200

¹⁾ Pressure shown = item deliverable

²⁾ LL = very light series; ³⁾ L = light series; ⁴⁾ S = heavy series

PN (bar) = PN (MPa)

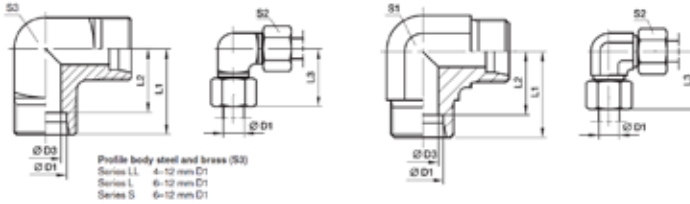
10

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CFX	T16SCFX
Stainless Steel	71X	T16S71X
Brass	MSX	T16SMSX

*Please add the suffixes below according to the material/surface required.



W Union elbow EO 24° cone end



Profile body steel and brass (S3)
 Series LL 4-12 mm D1
 Series L 6-12 mm D1
 Series S 6-12 mm D1

Part Number	Series	D1	D3	L1	L2	L3	S1	S2	S3	Weight g/1 piece	PN (bar) ¹⁾		
											CF	71	MS
W04LL	LL ²⁾	04	3.0	15	11.0	21	9	10	9	13	100	100	63
W06LL		06	4.5	15	9.5	21	9	12	11	15	100	100	63
W08LL		08	6.0	17	11.5	23	12	14	12	23	100	100	63
W10LL		10	8.0	18	12.5	24	12	17	14	32	100	100	63
W12LL		12	10.0	21	13.0	25	14	19	17	41	100	100	63
W06L	L ³⁾	06	4.0	19	12.0	27	12	14	12	29	500	315	200
W08L		08	6.0	21	14.0	29	12	17	14	43	500	315	200
W10L		10	8.0	22	15.0	30	14	19	17	54	500	315	200
W12L		12	10.0	24	17.0	32	19	22		80	400	315	200
W15L		15	12.0	28	21.0	36	19	27		81	400	315	200
W18L		18	15.0	31	23.5	40	24	32		140	400	315	200
W22L		22	19.0	35	27.5	44	27	36		178	250	160	100
W28L		28	24.0	38	30.5	47	36	41		340	250	160	100
W35L		35	30.0	45	34.5	56	41	50		458	250	160	100
W42L		42	36.0	51	40.0	63	50	60		776	250	160	100
W06S	S ⁴⁾	06	4.0	23	16.0	31	12	17	14	52	800	630	400
W08S		08	5.0	24	17.0	32	14	19	17	74	800	630	400
W10S		10	7.0	25	17.5	34	19	22		97	800	630	400
W12S		12	8.0	29	21.5	38	17	24	22	137	630	630	400
W14S		14	10.0	30	22.0	40	19	27		145	630	630	400
W16S		16	12.0	33	24.5	43	24	30		162	630	400	250
W20S		20	16.0	37	26.5	48	27	36		221	420	400	250
W25S		25	20.0	42	30.0	54	36	46		424	420	400	250
W30S		30	25.0	49	35.5	62	41	50		603	420	400	250
W38S		38	32.0	57	41.0	72	50	60		1010	420	315	200

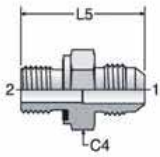
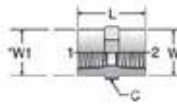
¹⁾ Pressure shown = item deliverable

²⁾ LL = very light series; ³⁾ L = light series; ⁴⁾ S = heavy series

PN [bar] = PN (MPa)

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CFX	W16SCFX
Stainless Steel	71X	W16S71X
Brass	MSX	W16SMSX

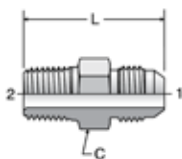
*Please add the suffixes below according to the material/surface required.

F42EDMX
GG
**Male Connector BSPP
37° Flare / BSPP-ED**

**Pipe Coupling
NPTF / NPTF**

 SAE 140138
 HPD Base # 0202

Part Number	End Size			C4 (mm)	L5 (mm)	Dynamic Pressure (x 1,000 PSI)		
	1		2			S	SS	B
	(mm)	(in.)						
4F42EDMX	6	1/4	1/8 - 28	14	30.2	7.2	5.0	3.3
4-4F42EDMX	6	1/4	1/4 - 19	19	35.0	6.0	5.0	3.3
4-6F42EDMX	6	1/4	3/8-19	22	36.0	6.0	5.0	3.3
4-8F42EDMX	6	1/4	1/2-14	27	39.5	5.0	5.0	3.3
5F42EDMX	8	5/16	1/8 - 28	14	300	60	5.0	3.3
5-4F42EDMX	8	5/16	1/4 - 19	19	35.0	6.0	5.0	3.3
5-6F42EDMX	8	5/16	3/8-19	22	36.0	6.0	5.0	3.3
6-2F42EDMX	10	3/8	1/8 - 28	17	31.2	6.0	5.0	3.3
6F42EDMX	10	3/8	1/4 - 19	19	35.0	6.0	5.0	3.3
6-6F42EDMX	10	3/8	3/8-19	22	36.0	6.0	5.0	3.3
6-8F42EDMX	10	3/8	1/2-14	27	39.5	5.0	5.0	3.3
8F42EDMX	12	1/2	3/8 - 19	22	38.6	6.0	5.0	3.3
8-4F42EDMX	12	1/2	1/4 - 19	19	39.0	6.0	5.0	3.3
8-8F42EDMX	12	1/2	1/2-14	27	42.0	5.0	5.0	3.3
8-12F42EDMX	12	1/2	3/4 - 14	32	45.7	5.0	5.0	3.3
10F42EDMX	14, 15, 16	5/8	1/2-14	27	45.0	5.0	5.0	3.3
10-6F42EDMX	14, 15, 16	5/8	3/8 - 19	24	43.0	5.0	5.0	3.3
10-12F42EDMX	14, 15, 16	5/8	3/4 - 14	32	48.2	5.0	5.0	3.3
12F42EDMX	18, 20	3/4	3/4 - 14	32	51.0	5.0	5.0	3.3
12-6F42EDMX	18, 20	3/4	3/8 - 19	27	50.0	5.0	5.0	3.3
12-8F42EDMX	18, 20	3/4	1/2-14	27	49.0	5.0	5.0	3.3
12-16F42EDMX	18, 20	3/4	1 - 11	41	53.5	4.0	4.0	2.6
16F42EDMX	25	1	1 - 11	41	55.0	4.0	4.0	2.6
16-12F42EDMX	25	1	3/4 - 14	36	53.0	4.0	4.0	2.6
16-20F42EDMX	25	1	1 1/4 - 11	50	59.0	4.0	4.0	2.6
20-16F42EDMX	30, 32	1 1/4	1 - 11	46	620	4.0	3.0	2.0
20F42EDMX	30, 32	1 1/4	1 1/4-11	50	60.0	4.0	3.0	2.0
20-24 F42EDMX	30, 32	1 1/4	1 1/2-11	55	64.0	3.0	2.0	1.3
24F42EDMX	38	1 1/2	1 1/2-11	55	67.0	3.0	2.0	1.3
24-20F42EDMX	38	1 1/2	1 1/4-11	50	620	3.0	3.0	2.0

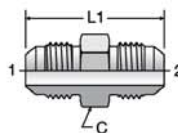
Part Number	End Size			C1 HEX (in.)	L (in.)	W (in.)	W1 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1		2					-S	-SS	-B
	1 NPTF	2 NPTF								
1/8 GG	1/8-27	1/8-27	5/8	0.75	0.63	0.63	6.0	6.0	3.9	
1/4 GG	1/4-18	1/4-18	3/4	1.13	0.75	0.75	6.0	6.0	3.9	
3/8 GG	3/8-18	3/8-18	7/8	1.13	0.88	0.88	6.0	6.0	3.9	
1/2 GG	1/2 -14	1/2-14	1 1/8	1.50	1.13	1.13	5.0	6.0	3.2	
3/4 GG	3/4-14	3/4-14	1 3/8	1.53	1.38	1.38	4.0	4.8	2.6	
1 GG	1-11 1/2	1-11 1/2	1 5/8	1.89	1.63	1.63	3.0	3.6	1.9	
1 1/4 GG	1 1/4-11 1/2	1 1/4-11 1/2	2	1.93	2.00	2.00	2.5	3.0	1.9	
1 1/2 GG	1 1/2- 11 1/2	1 1/2-11 1/2	2 3/8	1.93	2.38	2.38	2.0	2.4	1.5	
2 GG	2-11 1/2	2-11 1/2	2 7/8	1.97	2.88	2.88	2.0	2.4	1.5	

FTX


**Male Connector
37° Flare / NPTF**

 SAE 070102
HPD Base # 0103

HTX

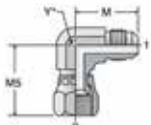

**Union
37° Flare / 37° Flare**

 SAE 070101
HPD Base # 0303

Part Number	End Size		C4 HEX (in.)	L (in.)	Dynamic Pressure (x 1,000 PSI)			
	1 (in.)	2 NPTF			-S	-SS	-B	D
2 FTX	1/8	1/8 - 27	7/16	1.11	6.0	6.0	3.3	3.0
4 FTX	1/4	1/8 - 27	1/2	1.22	6.0	6.0	3.3	3.0
4-4 FTX	1/4	1/4-18	9/16	1.42	6.0	6.0	3.3	3.0
4-6 FTX	1/4	3/8-18	3/4	1.44	6.0	6.0	3.3	3.0
6 FTX	3/8	1/4 -18	5/8	1.43	6.0	6.0	3.3	3.0
6-2 FTX	3/8	1/8 - 27	5/8	1.24	6.0	6.0	3.3	3.0
6-6 FTX	3/8	3/8-18	3/4	1.43	6.0	6.0	3.3	3.0
6-8 FTX	3/8	1/2-14	7/8	1.69	6.0	6.0	3.3	3.0
8 FTX	1/2	3/8 -18	13/16	1.53	6.0	6.0	3.3	3.0
8-8 FTX	1/2	1/2-14	7/8	1.79	6.0	6.0	3.3	3.0
10 FTX	5/8	1/2 -14	15/16	1.89	5.0	5.0	3.3	2.5
10-12 FTX	5/8	3/4 - 14	1 1/8	1.95	5.0	5.0	2.6	2.5
12 FTX	3/4	3/4 - 14	1 1/8	2.06	5.0	5.0	2.6	2.5
12-16 FTX	3/4	1-11 1/2	1 3/8	2.25	5.0	5.0	2.0	2.3
16 FTX	1	1-11 1/2	1 3/8	2.30	4.5	4.5	2.0	2.3
20 FTX	1 1/4	1 1/4-11 1/2	1 11/16	2.45	3.0	3.0	1.6	•
24 FTX	1 1/2	1 1/2-11 1/2	2	2.68	3.0	3.0	1.3	•
32 FTX	2	2-11 1/2	2 5/8	3.11	2.0	2.0	1.0	•

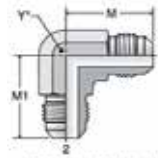
Part Number	End Size		C1 (in.)	L (in.)	Dynamic Pressure (x 1,000 PSI)			
	1 (in.)	2 NPTF			-S	-SS	-B	D
4 HTX	1/4	1/4	1/2	1.37	7.5	9.0	3.3	3.8
6 HTX	3/8	3/8	5/8	1.41	6.0	7.2	3.3	3.0
8 HTX	1/2	1/2	13/16	1.62	6.0	7.2	3.3	3.0
10 HTX	5/8	5/8	15/16	1.88	5.0	6.0	3.3	2.5
12 HTX	3/4	3/4	1 1/8	2.16	5.0	6.0	3.3	2.5
16 HTX	1	1	1 3/8	2.25	4.0	4.8	2.6	2.0
20 HTX	1 1/4	1 1/4	1 11/16	2.43	4.0	4.8	2.6	•
24 HTX	1 1/2	1 1/2	2	2.75	3.0	3.6	2.0	•
32 HTX	2	2	2 5/8	3.40	2.0	2.4	1.3	•

Note: All Fittings include a 30° chamfer for sealing with NPSM swivel type fittings (steel only)

C6X

**Swivel Nut Elbow
37° Flare / 37° Swivel**

 SAE 070221
 HPD Base 3903

* Across wrench flats

ETX

**Union Elbow
37° Flare / 37° Flare**

 SAE 070201
 HPD Base 2303

* Across wrench flats

Part Number	End Size		M (in.)	M5 (in.)	Y (in.)	Dynamic Pressure (x 1,000 PSI)			D
	1 (in.)	2 (in.)				-S	-SS	-B	
3 C6X	3/16	3/16	0.83	1.00	7/16	7.5	7.7	3.3	3.8
4 C6X	1/4	1/4	0.89	1.00	7/16	7.5	7.7	3.3	3.8
5 C6X	5/16	5/16	0.95	1.06	9/16	6.0	6.0	3.3	3.0
6 C6X	3/8	3/8	1.06	1.25	9/16	6.0	6.0	3.3	3.0
8 C6X	1/2	1/2	1.25	1.38	3/4	6.0	6.0	3.3	3.0
10 C6X	5/8	5/8	1.45	1.62	7/8	5.0	5.0	3.3	3.0
12 C6X	3/4	3/4	1.66	1.75	1 1/16	5.0	5.0	3.3	2.5
16 C6X	1	1	1.81	2.00	1 5/16	4.0	4.0	2.6	2.0
20 C6X	1 1/4	1 1/4	2.06	2.31	1 5/8	4.0	4.0	2.6	•
24 C6X	1 1/2	1 1/2	2.59	2.59	1 7/8	3.0	3.0	2.0	•
32 C6X	2	2	3.51	3.51	2 1/2	2.0	2.0	1.3	•

Part Number	End Size		M (in.)	M1 (in.)	Y (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 (in.)	2 (in.)				-S	-SS	-B
2 ETX	1/8	1/8	0.78	0.78	7/16	7.5	7.7	3.3
4 ETX	1/4	1/4	0.89	0.89	7/16	7.5	7.7	3.3
5 ETX	5/16	5/16	0.97	0.97	9/16	6.0	6.0	3.3
6 ETX	3/8	3/8	1.06	1.06	9/16	6.0	6.0	3.3
8 ETX	1/2	1/2	1.25	1.25	3/4	6.0	6.0	3.3
10 ETX	5/8	5/8	1.45	1.33	7/8	5.0	5.0	3.3
12 ETX	3/4	3/4	1.66	1.42	1 1/16	5.0	5.0	3.3
16 ETX	1	1	1.81	1.81	1 5/16	4.0	3.5	2.3
20 ETX	1 1/4	1 1/4	2.06	2.06	1 5/8	4.0	3.0	2.0
24 ETX	1 1/2	1 1/2	2.33	2.33	1 7/8	3.0	2.0	1.3
32 ETX	2	2	3.06	3.06	2 1/2	2.0	1.5	1.0

- Description:**
- IEmeto Series A tube clamps (according to DIN 3015 Part 1) are available in seven standard sizes for normal mechanical requirements. The clamp body is available in a round/closed version. Other elements are welding plates, rail supports, cover plates and construction types.
- Operations:**
- Polypropylene -30°C up to +90°C, colour dark green
 - Polyamide -40°C up to +120°C, colour black
 - Rubber -50°C up to +120°C, colour black
 - Aluminium up to +300°C
- All metal parts are also available in stainless steel. Other materials upon request.
Stainless steel qualities are to 1.4401/1.4571 (AISI 316/316 Ti), resistant to rust and acid.
- Features:**
- Easy assembly and organization with Parker's exclusive color-code system.
 - Push-Lok assemblies can be made in seconds, saving valuable time and cost.
 - The unique seal of Push-Lok ensures reliable, durable, leak free service.
- Application:**
- Suitable for general hydraulic applications.
 - The function of tube clamps is the fixing of straight tubes, bent tubes and hoses, the broad product range of Parker tube clamps helps to find a solution for all requests and therefore extends the range of applications.
 - Their notable features are re-set capability, high tensile strength, very high abrasion resistance and excellent resistance to cold. This range of features enlarges the number of possible applications and stretches the life-cycle of tube clamps.



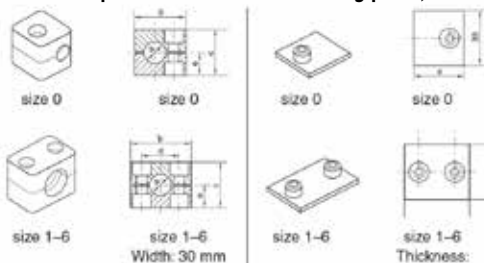
DIN 3015 part 1 - 2 Clamp halves & Welding plate, short

DIN 3015, part 1

Order code for clamp halves:
Polypropylene – RAP

2 Clamp halves

Welding plate, short

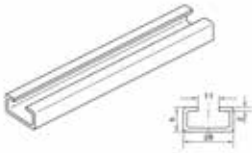


Part Number	2 Clamp halves				Welding plate, short			Tube O.D. mm	Tube NB	Tube O.D.	Clamp Size
	Dimensions				Part Number	Dimensions					
	a	b	c	d		d	e				
RAP006X								6.0	-	-	
RAP006.4X								6.4	-	1/4	
RAP008X								8.0	-	5/16	
RAP009.5X								9.5	-	3/8	
RAP010X								10.0	G 1/8	-	
RAP012X								12.0	-	-	
RAP106X								6.0	-	-	
RAP106.4X								6.4	-	1/4	
RAP108X								8.0	-	5/16	
RAP109.5X								9.5	-	3/8	
RAP110X								10.0	G 1/8	-	
RAP112X								12.0	-	-	
RAP212.7X								12.7	-	1/2	
RAP213.5X								13.5	G 1/4	-	
RAP214X								14.0	-	-	
RAP215X								15.0	-	-	
RAP216X								16.0	-	5/8	
RAP217.2X								17.2	G 3/8	-	
RAP218X								18.0	-	-	
RAP319X								19.0	-	3/4	
RAP320X								20.0	-	-	
RAP312.3X								21.3	G 1/2	-	
RAP322X								22.0	-	-	
RAP323X								23.0	-	-	
RAP325X								25.0	-	1	
RAP426.9X								26.9	G 3/4	-	
RAP428X								28.0	-	-	
RAP430X								30.0	-	-	
RAP532X								32.0	-	1 1/4	
RAP533.7X								33.7	G 1	-	
RAP535X								35.0	-	-	
RAP538X								38.0	-	1 1/2	
RAP540X								40.0	-	-	
RAP542X								42.0	G 1 1/4	-	
RAP644.5X								44.5	-	1 3/4	
RAP645X								45.0	-	-	
RAP648X								48.0	G 1 1/2	-	
RAP650X								50.0	-	-	
RAP650.8X								50.8	-	2	
RAP652X								52.0	-	-	
RAP655X								55.0	-	-	
RAP657X								57.0	-	2 1/4	
RAP757X								57.2	-	2 1/4	
RAP-760.3X								60.3	G2	-	
RAP-763.50X								63.5	-	2 1/2	
RAP-770X								70.0	-	2 3/4	
RAP-773X								73.0	-	-	
RAP-776.1X								76.1	G 2 1/2	3	
RAP-888.9X								88.9	G 3	-	
RAP-8101.8X								101.8	-	4	

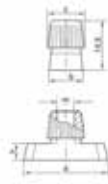
DIN 3015 part 1- Mounting rail & Rail nut

DIN 3015, part 1

Mounting rail



Rail nut

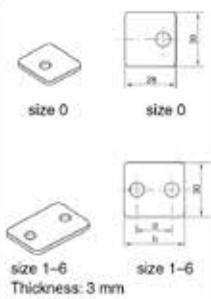


Mounting Rail		Rail Nut				
TS...A/B Part Number	Dimensions	TM...A/B1 Part Number	Dimensions			
	h		a	b	c	m
TS11A/B1X	-	TMA/TMB1VERZX	25.4	10.4	12	M6
TS11A/B2X	-					
TS14A/B1X	TS11: 11					
TS14A/B2X	TS14: 14					
TS30A/B1X	TS30: 30					
TS30A/B2X	-					

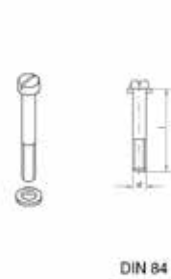
DIN 3015 Part 1- Components

DIN 3015, part 1

Cover plate



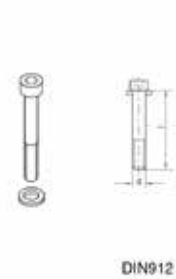
Slot head



Hexagon head



Socket head



Cover plate		Slot head		Hexagon head		Socket head		Clamp Size
DPA... Part Number	Dimensions b d	SL A... Part Number	Dimensions d x L	SSL A... Part Number	Dimensions d x L	IS A... Part Number	Dimensions d x L	
DPA0X	- -	SLA0X	M 06x20	SSLA0X	M 06x30	ISA0X	M 06x20	0
DPA1X	34 20	SLA1X	M 06x20	SSLA0X	M 06x30	ISA1X	M 06x20	1
DPA2X	40 26	SLA2X	M 06x25	SSLA2/SSB1X	M 06x35	ISA2X	M 06x25	2
DPA3X	48 33	SLA3X	M 06x30	SSLA3X	M 06x40	ISA3X	M 06x30	3
DPA4X	57 40	SLA4X	M 06x35	SSLA4X	M 06x45	ISA4X	M 06x35	4
DPA5X	70 52	SLA5X	M 06x50	SSLA5X	M 06x60	ISA5X	M 06x50	5
DPA6X	86 66	SLA6X	M 06x60	SSLA6X	M 06x70	ISA6X	M 06x60	6
DPA7X	120 94	-	-	SSLA7X	M 06x100	-	-	7
DPA8X	146 120	-	-	SSLA8X	M 06x125	-	-	8

Stacking



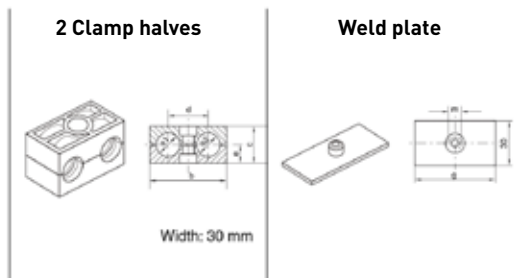
AS A... Part Number	Stacking		Clamp Size
	Dimensions		
	a	b	
ASA0X (ASB1X)	20	34	0
ASA0X (ASB1X)	20	34	1
ASA2X	25	39	2
ASA3X	30	44	3
ASA4X	35	49	4
ASA5X	50	64	5
ASA6X	60	74	6

DIN 3015 part 3 - 2 Clamp halves & Weld plate

DIN 3015, part 3

Order code for clamp halves:
Polypropylene – RBP

(Please exchange standard abbreviation RBP
in column for "clamp halves" as required.)



2 Clamp halves - 1 Part					Weld plate			Tube O.D. mm	Tube NB	Tube O.D.	Clamp Size								
RBP... Part Number	Dimensions				APB Part Number	Dimensions													
	b	c	d	e		g	m	a											
RBP106X	36	27	20	13.5	APB1X	37	M6	6.0	-	-	1								
RBP106.4X								6.4	-	1/4									
RBP108X								8.0	-	5/16									
RBP109.5X								9.5	-	3/8									
RBP110X								10.0	G1 1/8	-									
RBP112X	53	26	29	13	APB2X	55	M8	12.0	-	-	2								
RBP212.7X								12.7	-	1/2									
RBP213.5X								13.5	G 1/4	-									
RBP214X								14.0	-	-									
RBP215X								15.0	-	-									
RBP216X								16.0	-	5/8									
RBP217.2X								17.2	G 3/8	-									
RBP218X								18.0	-	-									
RBP319X								67	37	36		18.5	APB3X	70	M8	19.0	-	3/4	3
RBP320X																20.0	-	-	
RBP321.3X	21.3	G 1/2	-																
RBP322X	22.0	-	-																
RBP325X	25.0	-	1																
RBP426.9X	82	42	45	21	APB4X	85	M8	26.9	G 3/4	-	4								
RBP428X								28.0	-	-									
RBP430X								30.0	-	-									
RBP532X	106	54	56	27	APB5X	110	M8	32.0	-	1 1/4	5								
RBP533.7X								33.7	G 1	-									
RBP535X								35.0	-	-									
RBP538X								38.0	-	1 1/2									
RBP542X								42.0	G 1 1/4	-									

DIN 3015 part 3 - Mounting rail & Rail nut

DIN 3015, part 3

Mounting rail



Rail nut



Mounting Rail		Rail Nut				
TS...A/B Part Number	Dimensions	TM...A/B1 Part Number	Dimensions			
	h		a	b	c	m
TS11A/B1X	-	TMA/TMB1VERZX	25.4	10.4	12	M6
TS11A/B2X	-					
TS14A/B1X	TS11: 11	TMB2X	25.4	10.4	12	M8
TS14A/B2X	TS14: 14					
TS30A/B1X	TS30: 30					
TS30A/B2X	-					

DIN 3015 part 3 - Components

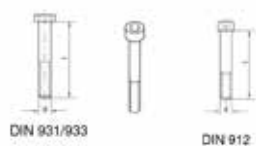
Cover Plate



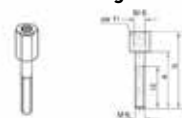
Hexagon head



Socket head



Stacking



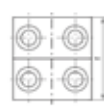
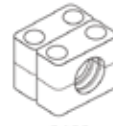
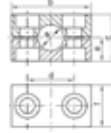
Cover plate		Hexagon head		Socket head		Stacking				Clamp Size		
DP B... Part Number	Dimensions		SS B... Part Number	Dimensions d x L	IS B... Part Number	Dimensions d x L	AS B... Part Number	Dimensions				
	b	d						a	b	m	SW	
DPB1X	34	6.6	SSLA2/SSB1X	M 06x35	ISB1X	M 06x35	ASA0X (ASB1X)	20	34	M6	11	1
DPB2X	51	8.6	SSB2X	M 08x35	ISB2X	M 08x35	ASA2X	20	33	M8	12	2
DPB3X	64	8.6	SSB3X	M 08x45	ISB3X	M 08x45	ASA3X	29	44	M8	12	3
DPB4X	78	8.6	SSB4X	M 08x50	ISB4X	M 08x50	ASA4X	34	49	M8	12	4
DPB5X	102	8.6	SSB5X	M 08x60	ISB5X	M 08x60	ASA5X	47	62	M8	12	5

FLUID CONNECTORS

DIN 3015 Part 2 - 2 Clamp halves & 4 Clamp halves

DIN 3015, part 2

Order code for clamp halves:
Polypropylene – RCP



RCPD
(= 2XRCP...)

(Please exchange as required standard abbreviation
RCP in column for "clamp halves")

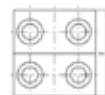
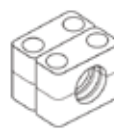
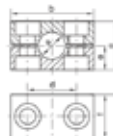
Clamp Size	Tube O.D. mm	Tube NB	Tube O.D.	2 Clamp halves					4 Clamp halves						
				RCP Part Number	Dimensions					RCP Part Number	Dimensions				
					b	c	d	e	f		b	c	d	e	f
1	6.0	G 1/8	5/16	RCP106X	55	32	33	16	30	RCPD106	55	32	33	16	60
	8.0			RCP108X						RCPD108					
	10.0			RCP110X						RCPD110					
	12.0			RCP112X						RCPD112					
	12.7	G 1/4	1/2	RCP112.7X						RCPD112.7					
	13.5			RCP113.5X						RCPD113.5					
	14.0			RCP114X						RCPD114					
	15.0	G 3/8	5/8	RCP115X						RCPD115					
	16.0			RCP116X						RCPD116					
17.2	RCP117.2X			RCPD117.2											
18.0	RCP118X			RCPD118											
2	19.0	G 1/2	3/4	RCP219X	70	48	45	24	30	RCPD219	70	48	45	24	60
	20.0			RCP220X						RCPD220					
	21.3			RCP221.3X						RCPD221.3					
	22.0			RCP222X						RCPD222					
	23.0	G 3/4	1	RCP223X						RCPD223					
	25.0			RCP225X						RCPD225					
	26.9			RCP226.9X						RCPD226.9					
	28.0	RCP228X	RCPD228												
	30.0	RCP230X	RCPD230												
3	30.0	G 1	1 1/4	RCP330X	85	60	60	30	30	RCPD330	85	60	60	30	60
	32.0			RCP332X						RCPD332					
	33.7			RCP333.7X						RCPD333.7					
	35.0			RCP335X						RCPD335					
	38.0	G 1 1/4	1 1/2	RCP338X						RCPD338					
	39.0			RCP339X						RCPD339					
	40.0			RCP340X						RCPD340					
	42.0	RCP342X	RCPD342												
	4	38.0	G 1 1/4	1 1/2						RCP438X					
39.0		RCP439X			RCPD439										
40.0		RCP440X			RCPD440										
42.0		RCP442X			RCPD442										
45.0		RCP445X			RCPD445										
46.0		G 1 1/2	2	RCP446X	RCPD446										
48.3				RCP448.3X	RCPD448.3										
50.0				RCP450X	RCPD450										
51.0		G 2	2	RCP451X	RCPD451										
52.0				RCP452X	RCPD452										
55.0				RCP455X	RCPD455										
56.0				RCP456X	RCPD456										
57.0		2 1/4	2 1/4	RCP457X	RCPD457										
60.3				RCP460.3X	RCPD460.3										
63.0				RCP463X	RCPD463										
65.0	2 1/2	2 1/2	RCP465X	RCPD465											
66.0			RCP466X	RCPD466											

Tube clamps series C (Heavy series) - Components

DIN 3015, part 2

Order code for clamp halves:

Polypropylene – RCP)



RCPD
(= 2XRCP...)

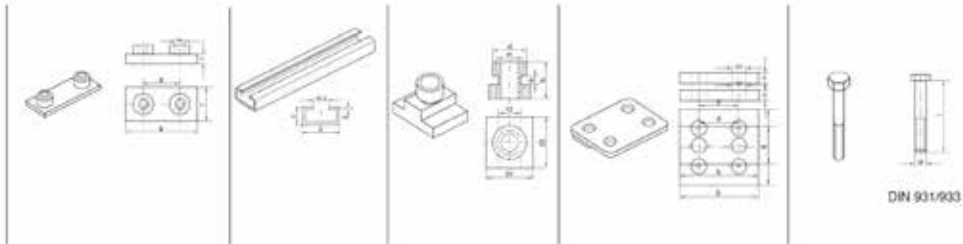
(Please exchange as required standard abbreviation RCP in column for "clamp halves")

Clamp Size	Tube O.D. mm	Tube NB	Tube O.D	2 Clamp halves					4 Clamp halves						
				RCP Part Number	Dimensions					RCP Part Number	Dimensions				
					b	c	d	e	f		b	c	d	e	f
5	70.0	G 2 1/2	3	RCP470X	152	120	122	60	60	RCPD470	152	120	122	60	120
	70.0			RCP570X						RCPD570					
	73.0			RCP573X						RCPD573					
	75.0			RCP575X						RCPD575					
	76.1			RCP576.1X						RCPD576.1					
	80.0	RCP580X	RCPD580												
	82.5	RCP582.5X	RCPD582.5												
	88.9	RCP588.9X	RCPD588.9												
	90.0	RCP590X	RCPD590												
6	90.0	G 3 1/2	4	RCP690X	205	170	168	85	80	RCPD690	205	170	168	85	160
	97.0			RCP697X						RCPD697					
	100.0			RCP6100X						RCPD6100					
	101.6	RCP6101.6X	RCPD6101.6												
	108.0	RCP6108X	RCPD6108												
	114.3	RCP6114.3X	RCPD6114.3												
	127.0	RCP6127X	RCPD6127												
7	127.0	G 5	5	RCP7127X	250	200	205	100	90	RCPD7127	250	200	205	100	180
	133.0			RCP7133X						RCPD7133					
	140.0			RCP7140X						RCPD7140					
	150.0	RCP7150X	RCPD7150												
	152.4	RCP7152.4X	RCPD7152.4												
	159.0	RCP7159X	RCPD7159												
	165.1	RCP7165.1X	RCPD7165.1												
	168.3	RCP7168.3X	RCPD7168.3												
	8	168.3	G 8	6 5/8						RCP8168.3X					
177.8		7		RCP8177.8X	RCPD8177.8										
193.7		7 5/8		RCP8193.7X	RCPD8193.7										
203.0				RCP8203X	RCPD8203										
219.1				RCP8219.1X	RCPD8219.1										
220.0				RCP8220X	RCPD8220										
9	219.1	G 8		RCP9219.1X	466	410	395	205	160	RCPD9219.1	466	410	395	205	320
	244.5			RCP9244.5X						RCPD9244.5					
	250.0			RCP9250X						RCPD9250					
	273.0			RCP9273X						RCPD9273					
	323.9			RCP9323.9X						RCPD9323.9					
10	355.6	G 10		RCP10355.6X	630	530	530	265	180	RCPD10355.6	630	530	530	265	360
	406.4	G 12		RCP10406.4X						RCPD10406.4					

Metal parts also available in stainless steel.

1) Only sizes 1–4

Tube clamps series C (Heavy series) - Components



Clamp Size	Weld plate					Mounting rail		Rail nut			Cover plate					Hexagon head						
	AP C... Part Number	Dimensions					TS C... Part Number	Dimensions		TM C... Part Number	Dimensions			DP C... Part Number	Dimensions					SS C... Part Number	Dimensions	
		d	f	g	i	m		b	h		b	d	m		b	d	f	i	m		d x L	
1	APC1X	33	30	73	8	M10	40	22	TMC1X	20	17.8	M10	DPC1X	55	33	30	8	11	SSC1X	M 10x45		
2	APC2X	45	30	85	8	M10							DPC2X	70	45	30	8	11	SSC2X	M 10x60		
3	APC3X	60	30	100	8	M10							DPC3X	85	60	30	8	11	SSC3X	M 10x70		
4	APC4X	90	45	140	10	M12							TMC4X	23	19.8	M12	DPC4X	115	90	45	10	14
5	APC5X	122	60	180	10	M16			DPC5X	152	122	60	10	18	SSC5X	M 16x130						
6	APC6X	168	80	225	15	M20									DPC6X	205	168	80	15	22	SSC6X	M 20x190
7	APC7X	205	90	270	15	M24									DPC7X	250	205	90	15	26	SSC7X	M 24x220
8	APC8X	265	120	340	25	M30									DPC8X	320	265	120	25	33	SSC8X	M 30x300
9	APC9X	395	160	520	30	M30									DPC9X	466	395	160	30	35	SSC9X	M 30x450
10	APC10X	530	180	680	30	M30									DPC10X	630	530	180	30	35	SSC10X	M 30x560

Metal parts also available in stainless steel.



- Core Tube:**
 - Polyamide
- Pressure Reinforcement:**
 - High strength wire
- Cover:**
 - Polyurethane
- Colour:**
 - V12: blue; V13: green; V16: yellow
- Temperature Range:**
 - -40°C up to + 100°C, max. 70°C for water or methanol based fluids.
- Certificates:**
 - ABS Product Design Assessment (PDA) Certificate 13-HS930314-1-PDA

2390-04Vxy - 1/4" 7,105 psi Subsea BOP hose

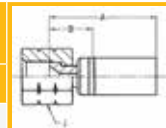


ID		OD		Max. working pressure		Min. burst pressure		Min. bend radius		Max. length		Weight		Collapse pressure		DF
mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	m	ft	kg/m	lbs/ft	MPa	psi	
6.4	1/4	13.4	0.530	49.0	7,105	195.0	28,420	160	6.3	3,500	11,480	0.25	0.17	-	-	4.0

JIC female swivel fitting

Material: AISI 316 / 316Ti

Part no.	Thread size	A		B		Wrench size J	Working pressure	
		mm	inch	mm	inch		MPa	psi
E206JCC3	7/16-20UNF	54.0	2.13	30.0	1.18	16	69.0	10,000



- Core Tube:**
 - Polyamide
- Pressure Reinforcement:**
 - High strength wire
- Cover:**
 - Polyurethane
- Colour:**
 - V12: blue; V13: green; V16: yellow
- Temperature Range:**
 - -40°C up to + 100°C, max. 70°C for water or methanol based fluids.
- Certificates:**
 - ABS Product Design Assessment (PDA) Certificate 13-HS930314-1-PDA

2390N-08Vxy - 1/2" 6,020 psi Subsea BOP hose

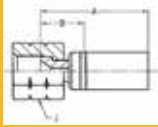


ID		OD		Max. working pressure		Min. burst pressure		Min. bend radius		Max. length		Weight		Collapse pressure		DF
mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	m	ft	kg/m	lbs/ft	MPa	psi	
12.9	1/2	21.1	0.833	41.5	6,020	166.0	24,080	150	5.9	3,500	11,480	0.57	0.38	7.8	1,131	4.0

JIC female swivel fitting

Material: AISI 316 / 316Ti

Part no.	Thread size	A		B		Wrench size J	Working pressure	
		mm	inch	mm	inch		mm	MPa
E213JFC4	3/4-16UNF	85.0	3.35	41.0	1.61	24	69.0	10,000



- Core Tube:**
 - Polyamide
- Pressure Reinforcement:**
 - High strength wire
- Cover:**
 - Polyurethane
- Colour:**
 - V12: blue; V13: green; V16: yellow
- Temperature Range:**
 - -40°C up to + 100°C, max. 70°C for water or methanol based fluids.
- Certificates:**
 - ABS Product Design Assessment (PDA) Certificate 13-HS930314-1-PDA

2390N-16Vxy - 1" 4,060 psi Subsea BOP hose

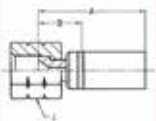


ID		OD		Max. working pressure		Min. burst pressure		Min. bend radius		Max. length		Weight		Collapse pressure		DF
mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	m	ft	kg/m	lbs/ft	MPa	psi	
25.2	1	34.9	1.374	28.0	4,060	112.0	16,240	280	11.0	4,200	13,800	1.17	0.78	3.9	565	4.0

JIC female swivel fitting

Material: AISI 316 / 316Ti

Part no.	Thread size	A		B		Wrench size J	Working pressure	
		mm	inch	mm	inch		mm	MPa
E225JIC3	1 5/16-12UNF	109.0	4.29	53.0	2.09	41	45.0	6,530





Quick Coupling Products



Please Refer to Catalogue 3800 USA for more details

Description:

- IH couplers are steel with a cylindrical valve designed specifically for pneumatic use. When paired with an unvalved/plain H Series nipple, it functions as a durable single shut-off connection. Standard seal is nitrile.

Features:

- Sizes 1/4" - 3/4"
- Steel body material.
- Standard seal material is nitrile with other options available.
- Optional sleeve lock helps to prevent accidental disconnection.
- Manually operated sleeve provides secure connection.
- Coupler has 360° cylindrical valve contact.

Applications:

- Industrial air lines, Pneumatic tools.

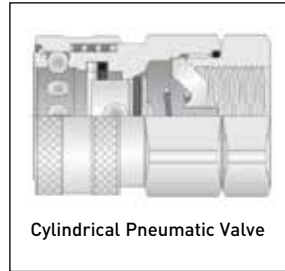


IH Series Working Pressures (psi)

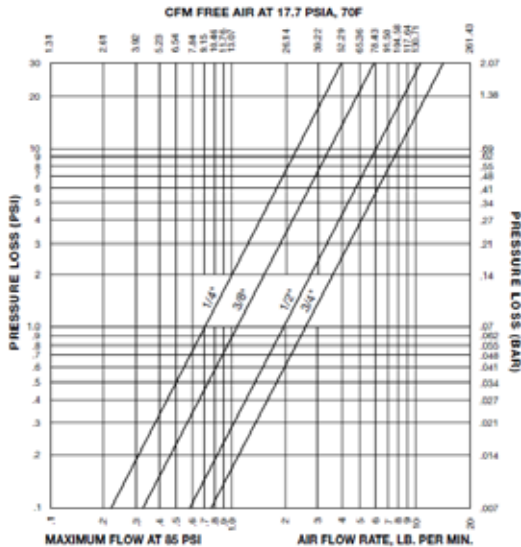
Valved on coupler and unvalved nipple (Single Shut-off)

Body Size	1/4	3/8	1/2	3/4
Steel	6500	4500	4000	3500

NOTE: Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge and/or vibration may vary from these ratings. Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. (Proof pressure equals 1-1/2 times the working pressure; burst pressure equals 2 times working pressure.)



Performance



IH Series Couplers



Part Number	Body Size	Thread Size	Length	Largest Diameter	Wrench Flats	Sleeve Lock
VIHC4-4F	1/4	1/4 -18 NPTF (female)	1.65	1.19	1.00	
VIHC4-4FSL	1/4	1/4 -18 NPTF (female)	1.65	1.19	1.00	Y
VIHC4-4M	1/4	1/4 -18 NPT (male)	2.09	1.02	0.88	
VIHC4-4MSL	1/4	1/4 -18 NPT (male)	2.09	1.02	0.88	Y
VIHC6-6F	3/8	3/8 -18 NPTF (female)	1.90	1.19	1.00	
VIHC6-6FSL	3/8	3/8 -18 NPTF (female)	1.90	1.19	1.00	Y
VIHC6-6M	3/8	3/8 -18 NPT (male)	2.19	1.19	1.00	
VIHC6-6MSL	3/8	3/8 -18 NPT (male)	2.19	1.19	1.00	Y
VIHC8-8F	1/2	1/2 -14 NPTF (female)	2.09	1.39	1.19	
VIHC12-12F	3/4	3/4 -14 NPTF (female)	2.42	1.73	1.50	

H Series Nipples - Unvalved / Plain



Part Number	Body Size	Thread Size	Length	Largest Diameter	Wrench Flats
HN4-4F	1/4	1/4 -18 NPTF (female)	1.32	0.73	0.88
HN4-4M	1/4	1/4 -18 NPT (male)	0.78	0.65	0.56
HN6-6F	3/8	3/8 -18 NPTF (female)	1.52	0.94	0.81
HN6-6M	3/8	3/8 -18 NPT (male)	0.98	0.80	0.69
HN8-8F	1/2	1/2 -14 NPTF (female)	1.72	1.15	1.00
HN8-8M	1/2	1/2 -14 NPTF (male)	1.01	1.02	0.88
HN12-12F	3/4	3/4 -14 NPT (female)	1.92	1.37	1.19
HN12-12M	3/4	3/4 -14 NPT (male)	1.14	1.22	1.06
VIHC8-8F	1/2	1/2 -14 NPTF (female)	2.09	1.39	1.19
VIHC12-12F	3/4	3/4 -14 NPTF (female)	2.42	1.73	1.50

Description:

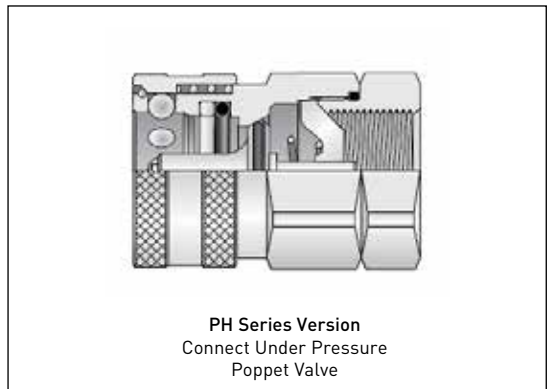
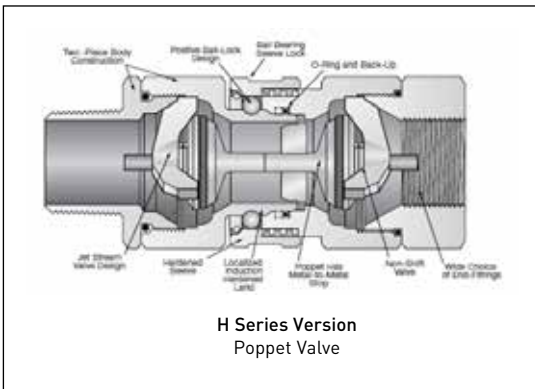
- Snap-tite H Series couplings have been proven by years of use on hydraulic applications. H Series is best suited for general purpose fluid applications where either single or double shut-off valving is desired. A wide range of sizes, materials and end configurations are available. PH version couplers and nipples are valved with a connect under-pressure feature. These steel couplers and nipples allow connection with H Series valved couplers and nipples when there is a residual pressure on the PH coupler/nipple side. It is recommended that only one half of the connection (coupler or nipple) be PH version, not both.

Features:

- Sizes 1/4" - 4"
- Available in steel, brass, aluminum and 316 stainless steel.
- Standard seal material is nitrile with other options available.
- Optional sleeve lock helps to prevent accidental disconnection.
- Double-shut-off version has low pressure drop.
- Manually operated sleeve provides secure connection.

Applications:

- Industrial hydraulic lines, Water and coolant lines, Mobile equipment.

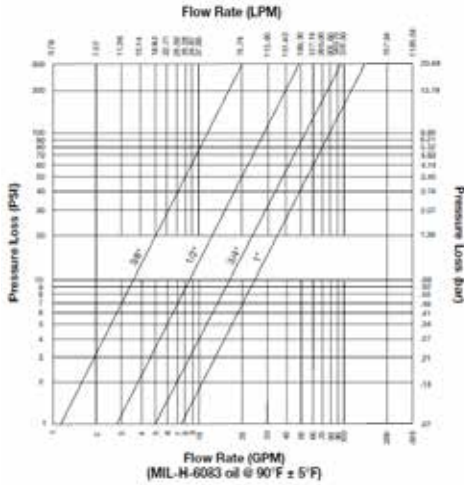


H & PH Series Working Pressures (psi)

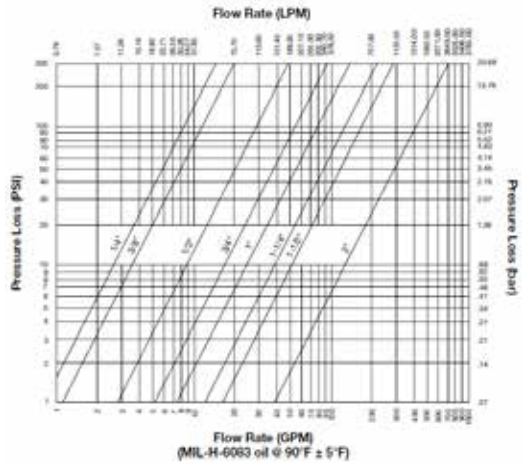
Body Size	Valved on both coupler and nipple (Double Shut-off)										
	Valved on one half and Unvalved/Plain on other half (Single Shut-off)						Unvalved/Plain on both coupler and nipple (Straight Through)				
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Steel	6500	4500	4000	3500	2000	1750	1500	1500	1000	750	500
Aluminum	2250	2250	1750	1750	1500	375	375	300	300	200	150
Brass	2250	2250	2000	2000	1750	350	350	400	400	200	150
Stainless Steel	5000	4000	3750	2000	2000	1500	1500	500	400	400	300
Steel	11000	11000	11000	9000	6000	5000	5000	4000	1000	750	500
Aluminum	4000	4000	4000	3500	3000	1000	1000	750	300	200	150
Brass	4000	4000	4000	3500	3000	1000	1000	750	300	200	150
Stainless Steel	10000	8000	8000	7000	4000	3000	3000	1000	400	400	300

NOTE: Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge and/or vibration may vary from these ratings. Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. [Proof pressure equals 1-1/2 times the working pressure; burst pressure equals 2 times working pressure.]

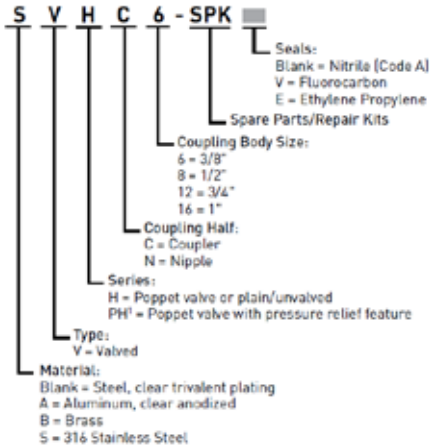
PH Series
Valved and Valved (Double Shut-Off)



H Series
Valved and Valved (Double Shut-Off)



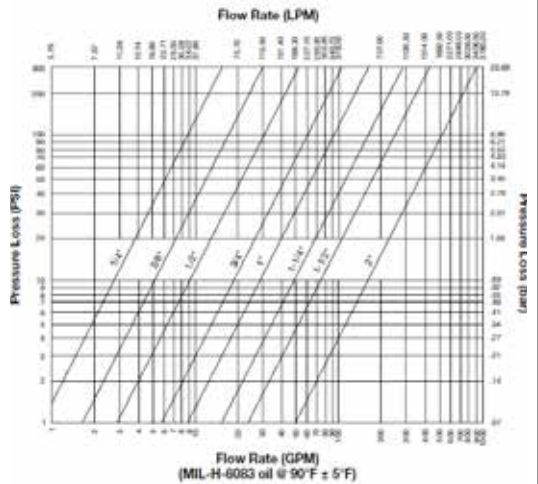
Repair Kits



Repair kits include valve spring, valve stop and valve.
O-ring installed on 3/8" to 1". 1/4" unit is non-field repairable.

Note: Not all configurations are standard product offering.

Valved and Plain (Single Shut-off)

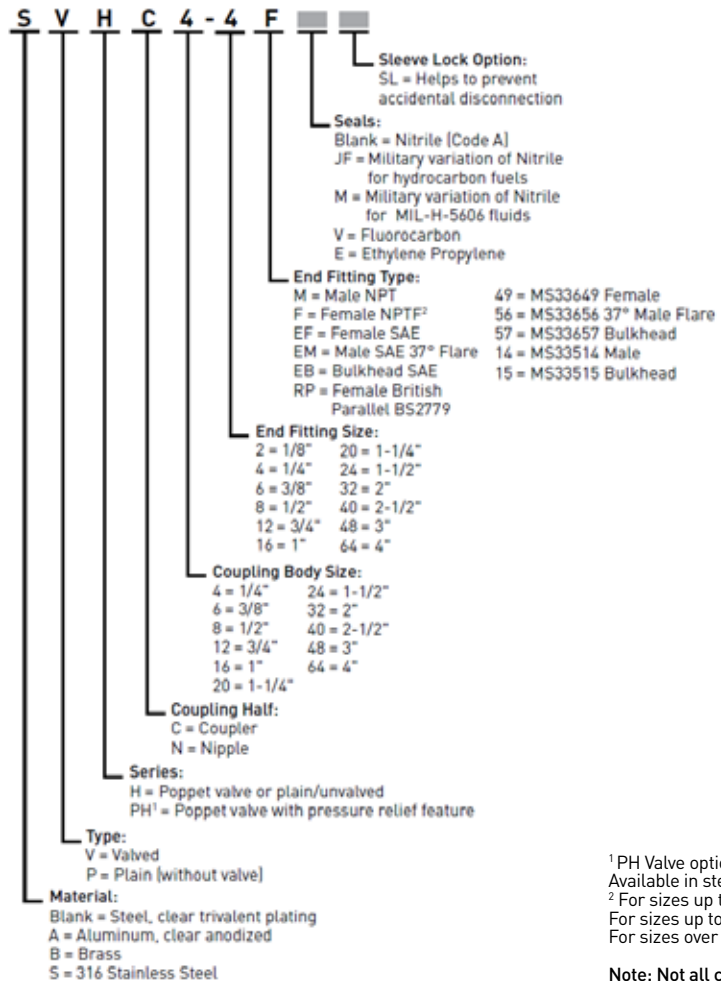


Valve Options		
	H Series Hydraulic Coupler/Nipple	PH Series Hydraulic Coupler/Nipple
Valve Styles:	<ul style="list-style-type: none"> Poppet Valve Unvalved/Plain 	<ul style="list-style-type: none"> Connect-Under-Pressure Poppet Valve
Connection Types:	<ul style="list-style-type: none"> Double Shut-off Single Shut-off Straight Through/Unvalved 	<ul style="list-style-type: none"> Double Shut-off (connects with valved H Series Coupler or Nipple)
Body Sizes:	1/8" - 4"	3/8" - 1"
Materials:	<ul style="list-style-type: none"> 316 Stainless Steel Aluminum Brass 	<ul style="list-style-type: none"> Steel

Replacement Coupler Interface Seals		
Part Number Nitrile	Part Number Fluorocarbon	Body Size
H4-56-9	H4-56-9V	1/4
H6-56-9	H6-56-9V	3/8
H8-56-9	H8-56-9V	1/2
H12-56-9	H12-56-9V	3/4
H16-56-9	H16-56-9V	1
H20-56-9	H20-56-9V	1-1/4

Replacement Valve Seals			
Part Number Nitrile	Part Number Fluorocarbon	Part Number Ethylene Propylene	Body Size
H20-55A	H20-55V	H20-55E	1-1/4
H24-55A	H24-55V	H24-55E	1-1/2
H32-55A	H32-55V	H32-55E	2

Ordering Guide



¹ PH Valve option recommended on one side, not both. Available in steel only.
² For sizes up to 1" NPTF threads in steel. For sizes up to 1" NPSF threads in stainless steel. For sizes over 1" NPT threads.

Note: Not all configurations are standard product offering.

H Series Couplers (Aluminum, Brass, Steel) - Female Thread



Part Number Aluminum	Part Number Brass	Part Number Steel	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
-	-	VHC4-2F	1/4	Valved	1/8-27 NPTF	1.65	1.00	0.88
APHC4-4F	BPHC4-4F	PHC4-4F	1/4	Non-Valved	1/4-18 NPTF	1.34	1.02	0.88
AVHC4-4F	BVHC4-4F	VHC4-4F	1/4	Valved	1/4-18 NPTF	1.65	1.19	1.00
-	-	VHC4-4EF	1/4	Valved	7/16-20 UNF	1.80	1.02	0.88
APHC6-6F	BPHC6-6F	PHC6-6F	3/8	Non-Valved	3/8-18 NPTF	1.50	1.19	1.00
AVHC6-6F	BVHC6-6F	VHC6-6F	3/8	Valved	3/8-18 NPTF	1.90	1.19	1.00
-	-	VHC6-6EF	3/8	Valved	9/16-18 UNF	2.20	1.19	1.00
-	BPHC8-8F	PHC8-8F	1/2	Non-Valved	1/2-18 NPTF	1.62	1.39	1.19
AVHC8-8F	BVHC8-8F	VHC8-8F	1/2	Valved	1/2-18 NPTF	2.09	1.39	1.19
-	-	VHC8-8EF	1/2	Valved	3/4-16 UNF	2.19	1.39	1.19
-	BPHC12-12F	PHC12-12F	3/4	Non-Valved	3/4-18 NPTF	1.91	1.73	1.50
-	BVHC12-12F	VHC12-12F	3/4	Valved	3/4-18 NPTF	2.42	1.73	1.50
-	-	VHC12-12EFV	3/4	Valved	1-1/16 - 12 UNF	2.92	1.73	1.50
-	BPHC16-16F	PHC16-16F	1	Non-Valved	1 - 11-1/2 NPTF	2.07	2.17	1.88
-	BVHC16-16F	VHC16-16F	1	Valved	1 - 11-1/2 NPTF	2.67	2.17	1.88
-	-	VHC16-16EF	1	Valved	1-5/16 - 12 UNF	2.94	2.17	1.88
-	BPHC20-20F	PHC20-20F	1-1/4	Non-Valved	1-1/4 - 11-1/2 NPT	2.28	2.31	2.00
-	BVHC20-20F	VHC20-20F	1-1/4	Valved	1-1/4 - 11-1/2 NPT	3.54	2.31	2.00
-	BPHC24-24F	PHC24-24F	1-1/2	Non-Valved	1-1/2 - 11-1/2 NPT	2.57	2.89	2.50
-	BVHC24-24F	VHC24-24F	1-1/2	Valved	1-1/2 - 11-1/2 NPT	3.27	3.18	2.75
-	BPHC32-32F	PHC32-32F	2	Non-Valved	2 - 11-1/2 NPT	2.48	3.75	3.25
-	BVHC32-32F	VHC32-32F	2	Valved	2 - 11-1/2 NPT	3.92	4.33	3.75

H Series Couplers (316 Stainless Steel) - Female Thread



Part Number Stainless Steel	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
SVHC4-2F	1/4	Valved	1/8-27 NPSF*	1.65	1.00	0.88
SPHC4-4F	1/4	Non-Valved	1/4-18 NPSF*	1.34	1.02	0.88
SVHC4-4F	1/4	Valved	1/4-18 NPSF*	1.65	1.19	1.00
SPHC6-6F	3/8	Non-Valved	3/8-18 NPSF*	1.50	1.19	1.00
SVHC6-6F	3/8	Valved	3/8-18 NPSF*	1.90	1.19	1.00
SPHC8-8F	1/2	Non-Valved	1/2-18 NPSF*	1.62	1.39	1.19
SVHC8-8F	1/2	Valved	1/2-18 NPSF*	2.09	1.39	2.09
SPHC12-12F	3/4	Non-Valved	3/4-18 NPSF*	1.91	1.73	1.50
SVHC12-12F	3/4	Valved	3/4-18 NPSF*	2.42	1.73	1.50
SPHC16-16F	1	Non-Valved	1 - 11-1/2 NPSF*	2.07	2.17	1.88
SVHC16-16F	1	Valved	1 - 11-1/2 NPSF*	2.67	2.17	1.88
SPHC20-20F	1-1/4	Non-Valved	1-1/4 - 11-1/2 NPT	2.28	2.31	2.00
SVHC20-20F	1-1/4	Valved	1-1/4 - 11-1/2 NPT	3.54	2.31	2.00
SPHC24-24F	1-1/2	Non-Valved	1-1/4 - 11-1/2 NPT	2.57	2.89	2.50
SVHC24-24F	1-1/2	Valved	1-1/2 - 11-1/2 NPT	3.27	3.18	2.75
SPHC32-32F	2	Non-Valved	2 - 11-1/2 NPT	2.48	3.75	3.25
SVHC32-32F	2	Valved	2 - 11-1/2 NPT	3.92	4.33	3.75

*NPSF thread may be substituted with equivalent NPT thread

H Series Couplers (Aluminum, Brass, Steel) - Male Thread



Part Number Aluminium	Part Number Brass	Part Number Steel	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
-	-	VHC4-2M	1/4	Valved	1/8-27 NPT	1.90	1.00	0.88
AVHC4-4M	BVHC4-4M	VHC4-4M	1/4	Valved	1/4-18 NPT	2.09	1.02	0.88
AVHC6-6M	-	VHC6-6M	3/8	Valved	3/8-18 NPT	2.19	1.19	1.00
-	BVHC6-6M	-	3/8	Valved	3/8-18 NPT	1.90	1.19	1.00
-	-	VHC8-8M	1/2	Valved	1/2-18 NPT	2.57	1.39	1.19
-	-	VHC8-8M	1/2	Valved	1/2-18 NPT	2.46	1.39	1.19
-	BVHC12-12M	VHC12-12M	3/4	Valved	3/4-18 NPT	2.88	1.73	1.50
-	BVHC16-16M	VHC16-16M	1	Valved	1-11-1/2 NPT	3.21	2.17	1.88
-	-	VHC32-32M	2	Valved	2-11-1/2 NPT	4.54	4.33	3.75

H Series Couplers (316 Stainless Steel) - Male Thread



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
SVHC4-4M	1/4	Valved	1/4-18 NPT	2.09	1.02	0.88
SVHC6-6M	3/8	Valved	3/8-18 NPT	2.19	1.19	1.00
SVHC8-8M	1/2	Valved	1/2-18 NPT	2.57	1.39	1.19
SVHC12-12M	3/4	Valved	3/4-18 NPT	2.88	1.73	1.50
SVHC16-16M	1	Valved	1 - 11-1/2 NPT	3.21	2.17	1.88

H Series Couplers (Steel) - Male SAE 37 Degree Flare



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
VHC4-4EM	1/4	Valved	7/16-20 UNF	2.80	1.02	0.88
VHC6-6EM	3/8	Valved	9/16-18 UNF	2.24	1.19	1.00
VHC8-8EM	1/2	Valved	3/4-16 UNF	2.46	1.39	1.19
VHC12-12EM	3/4	Valved	1-1/6 - 12 UNF	3.05	1.73	1.50

PH Series Connect-Under-Pressure Couplers (Steel) - Female Thread



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
VPHC6-6F	3/8	Valved	3/8-18 NPTF	1.90	1.19	1.00
VPHC8-8F	1/2	Valved	1/2-14 NPTF	2.09	1.39	1.19
VPHC12-12EF	3/4	Valved	1-1/16 - 12 UNF	2.92	1.73	1.50
VPHC12-12F	3/4	Valved	3/4-14 NPTF	2.42	1.73	1.50
SVHC16-16M	1	Valved	1 - 11-1/2 NPT	3.21	2.17	1.88

H Series Nipples (Aluminum, Brass, Steel) - Female Thread



Part Number Aluminum	Part Number Brass	Part Number Steel	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
-	BPHN4-2F	PHN4-2F	1/4	Non-Valved	1/8-27 NPTF	1.11	0.62	0.56
-	-	VHN4-2F	1/4	Valved	1/8-27 NPTF	1.59	1.00	0.88
APHN4-4F	BPHN4-4F	-	1/4	Non-Valved	1/4-18 NPTF	1.32	0.73	0.88
AVHN4-4F	BVHN4-4F	-	1/4	Valved	1/4-18 NPTF	1.59	1.02	0.88
-	-	PHN4-4F	1/4	Valved	1/4-18 NPTF	1.32	0.73	0.63
-	-	VHN4-4F	1/4	Valved	1/4-18 NPTF	1.65	1.19	1.00
APHN6-6F	BPHN6-6	-	3/8	Non-Valved	3/8-18 NPTF	1.52	0.94	1.00
-	-	PHN6-6F	3/8	Non-Valved	3/8-18 NPTF	1.52	0.94	0.81
AVHN6-6F	BVHN6-6F	VHN6-6F	3/8	Valved	3/8-18 NPTF	1.84	1.19	1.00
AVHN8-8F	-	-	1/2	Valved	1/2-18 NPTF	1.98	1.19	1.00
-	BPHN8-8F	PHN8-8F	1/2	Non-Valved	1/2-18 NPTF	1.72	1.15	1.00
-	BVHN8-8F	VHN8-8F	1/2	Valved	1/2-18 NPTF	1.98	1.39	1.19
-	-	VHN8-8EF	1/2	Valved	3/4-16 UNF	2.08	1.39	1.19
-	BPHN12-12F	PHN12-12F	3/4	Non-Valved	3/4-18 NPTF	1.92	1.37	1.19
-	BVHN12-12F	VHN12-12F	3/4	Valved	3/4-18 NPTF	2.29	1.73	1.50
-	-	VHN12-12EF	3/4	Valved	1-1/16 - 12 UNF	2.79	1.73	1.50
-	BPHN16-16F	PHN16-16F	1	Non-Valved	1 - 11-1/2 NPTF	2.10	1.73	1.50
-	BVHN16-16F	VHN16-16F	1	Valved	1 - 11-1/2 NPTF	2.55	2.17	1.88
-	-	VHN16-16EF	1	Valved	1-5/16 - 12 UNF	2.82	2.17	1.88
-	BPHN20-20F	PHN20-20F	1-1/4	Non-Valved	1-1/4 - 11-1/2 NPTF	2.22	2.17	1.88
-	BVHN20-20F	VHN20-20F	1-1/4	Valved	1-1/4 - 11-1/2 NPTF	3.41	2.31	2.00
-	BPHN24-24F	PHN24-24F	1-1/2	Non-Valved	1-1/2 - 11-1/2 NPTF	2.44	2.46	2.13
-	BVHN24-24F	VHN24-24F	1-1/2	Valved	1-1/2 - 11-1/2 NPTF	3.11	3.18	2.75
-	BPHN32-32F	PHN32-32F	2	Non-Valved	2 - 11-1/2 NPTF	2.60	3.18	2.75
-	BVHN32-32F	VHN32-32F	2	Valved	2 - 11-1/2 NPTF	3.72	4.33	3.75

H Series Nipples (316 Stainless Steel) - Female Thread



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
SPHN4-2F	1/4	Non-Valved	1/8-27 NPSF*	1.11	0.62	0.56
SVHN4-2F	1/4	Valved	1/8-27 NPSF*	1.59	1.00	0.56
SPHN4-4F	1/4	Non-Valved	1/4-18 NPSF*	1.32	0.73	0.63
SVHN4-4F	1/4	Valved	1/4-18 NPSF*	1.59	1.02	0.88
SPHN6-6F	3/8	Non-Valved	3/8-18 NPSF*	1.52	0.94	0.81
SVHN6-6F	3/8	Valved	3/8-18 NPSF*	1.84	1.19	1.00
SPHN8-8F	1/2	Non-Valved	1/2-18 NPSF*	1.72	1.15	2.00
SVHN8-8F	1/2	Valved	1/2-18 NPSF*	1.98	1.39	1.19
SPHN12-12F	3/4	Non-Valved	3/4-18 NPSF*	1.92	1.37	1.19
SVHN12-12F	3/4	Valved	3/4-18 NPSF*	2.29	1.73	1.50
SPHN16-16F	1	Non-Valved	1 - 11-1/2 NPSF*	2.10	1.73	1.50
SVHN16-16F	1	Valved	1 - 11-1/2 NPSF*	2.55	2.17	1.88
SPHN20-20F	1-1/4	Non-Valved	1-1/4 - 11-1/2 NPTF	2.22	2.17	1.88
SVHN20-20F	1-1/4	Valved	1-1/4 - 11-1/2 NPTF	3.41	2.31	1.88
SPHN24-24F	1-1/2	Non-Valved	1-1/2 - 11-1/2 NPTF	2.44	2.46	2.13
SVHN24-24F	1-1/2	Valved	1-1/2 - 11-1/2 NPTF	3.11	3.18	3.75
SPHN32-32F	2	Non-Valved	2 - 11-1/2 NPTF	2.60	3.18	2.75
SVHN32-32F	2	Valved	2 - 11-1/2 NPTF	3.72	4.33	3.75

*NPSF thread may be substituted with equivalent NPT thread

H Series Nipples (Aluminum, Brass, Steel) - Male Thread



Part Number Aluminum	Part Number Brass	Part Number Steel	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
-	BPHN4-2M	-	1/4	Non-Valved	1/8-27 NPT	1.22	0.64	0.56
-	-	PHN4-2M	1/4	Non-Valved	1/8-27 NPT	1.11	0.62	0.56
-	-	VHN4-2M	1/4	Valved	1/8-27 NPT	1.85	1.00	0.88
APHN4-4M	BPHN4-4M	PHN4-4M	1/4	Non-Valved	1/4-18 NPT	0.78	0.65	0.56
AVHN4-4M	BVHN4-4M	VHN4-4M	1/4	Valved	1/4-18 NPT	2.03	1.02	0.88
-	BPHN6-6M	PHN6-6M	3/8	Non-Valved	3/8-18 NPT	0.98	0.80	0.69
AVHN6-6M	BVHN6-6M	VHN6-6M	3/8	Valved	3/8-18 NPT	2.13	1.19	1.00
-	BPHN8-8M	PHN8-8M	1/2	Non-Valved	1/2-18 NPT	1.01	1.02	0.88
-	BVHN8-8M	VHN8-8M	1/2	Valved	1/2-18 NPT	2.46	1.39	1.19
-	BPHN12-12M	PHN12-12M	3/4	Non-Valved	3/4-18 NPT	1.14	1.22	1.06
-	BVHN12-12M	VHN12-12M	3/4	Valved	3/4-18 NPT	2.75	1.73	1.50
-	BPHN16-16M	-	1	Non-Valved	1 - 11-1/2 NPT	1.16	1.59	1.38
-	-	PHN16-16M	1	Non-Valved	1-11-1/2 NPT	1.16	1.73	1.88
-	BVHN16-16M	VHN16-16M	1	Valved	1 - 11-1/2 NPT	3.09	2.17	1.88
-	-	VHN20-20M	1-1/4	Valved	1-1/4 - 11-1/2 NPT	3.46	2.31	2.00
-	-	PHN32-32M	2	Non-Valved	2 - 11-1/2 NPT	2.03	2.89	2.50
-	BPHN16-16F	PHN16-16F	1	Non-Valved	1 - 11-1/2 NPTF	2.10	1.73	1.50
-	BVHN16-16F	VHN16-16F	1	Valved	1 - 11-1/2 NPTF	2.55	2.17	1.88
-	-	VHN16-16EF	1	Valved	1-5/16 - 12 UNF	2.82	2.17	1.88
-	BPHN20-20F	PHN20-20F	1-1/4	Non-Valved	1-1/4 - 11-1/2 NPTF	2.22	2.17	1.88
-	BVHN20-20F	VHN20-20F	1-1/4	Valved	1-1/4 - 11-1/2 NPTF	3.41	2.31	2.00
-	BPHN24-24F	PHN24-24F	1-1/2	Non-Valved	1-1/2 - 11-1/2 NPTF	2.44	2.46	2.13
-	BVHN24-24F	VHN24-24F	1-1/2	Valved	1-1/2 - 11-1/2 NPTF	3.11	3.18	2.75
-	BPHN32-32F	PHN32-32F	2	Non-Valved	2 - 11-1/2 NPTF	2.60	3.18	2.75
-	BVHN32-32F	VHN32-32F	2	Valved	2 - 11-1/2 NPTF	3.72	4.33	3.75

H Series Nipples (Aluminum, Brass, Steel) - Male Thread



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
SPHN4-2M	1/4	Non-Valved	1/8-27 NPT	1.22	0.64	0.56
SPHN4-4M	1/4	Non-Valved	1/4-18 NPT	0.78	0.65	0.56
SVHN4-4M	1/4	Valved	1/4-18 NPT	2.03	1.02	0.88
SPHN6-6M	3/8	Non-Valved	3/8-18 NPT	0.98	0.80	0.69
SVHN6-6M	3/8	Valved	3/8-18 NPT	2.13	1.19	1.00
SPHN8-8M	1/2	Non-Valved	1/2-18 NPT	1.01	1.02	0.88
SVHN8-8M	1/2	Valved	1/2-18 NPT	2.46	1.39	1.19
SVHN12-12M	3/4	Valved	3/4-18 NPT	2.75	1.73	1.50
SVHN16-16M	1	Valved	1 - 11-1/2 NPT	3.09	2.17	1.80
SVHN20-20M	1-1/4	Valved	1-1/4 - 11-1/2 NPT	3.46	2.31	2.00

H Series Nipples (Steel) - Male SAE 37 Degree Flare



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
VHN4-4EM	1/4	Valved	7/16-20 UNF	2.02	1.02	0.88
VHN6-6EM	3/8	Valved	9/16-18 UNF	2.24	1.19	1.00
VHN8-8EM	1/2	Valved	3/4-16 UNF	2.35	1.39	1.19
VHN12-12EM	3/4	Valved	1-1/6 - 12 UNF	2.92	1.73	1.50

PH Series Connect-Under-Pressure Nipples (Steel)



Part Number	Body Size	Valved or Non-Valved (Plain)	Port End	Length (in)	Largest Diameter	Wrench Flats
VPHN8-8F	1/2	Valved	1/2-14 NPTF (Female)	1.98	1.39	1.19
VPHN8-8EM	1/2	Valved	3/4-16 UNF (Male)	2.35	1.39	1.19

H Series Dust Plugs and Caps



Part Number Coupler Dust Plug Plastic	Part Number Coupler Dust Plug Aluminium	Part Number Nipple Dust Cap Plastic	Part Number Nipple Dust Cap Aluminium	Part Number Nipple Pressure Cap	Body Size
PDP-4	AMPH-4	PDC-4	ADCH-4	MCH-4	1/4
PDP-6	AMPH-6	PDC-6	ADCH-6	MCH-6	3/8
PDP-8	AMPH-8	PDC-8	ADCH-8	MCH-8	1/2
PDP-12	AMPH-12	PDC-12	ADCH-12	MCH-12	3/4
PDP-16	AMPH-16	PDC-16	ADCH-16	MCH-16	1
-	AMPH-20	-	ADCH-20	MCH-20	1-1/4
-	AMPH-24	-	ADCH-24	MCH-24	1-1/2
-	AMPH-32	-	ADCH-32	MCH-32	2
-	AMPH-40	-	ADCH-40	MCH-40	2-1/2
-	AMPH-48	-	ADCH-48	MCH-48	3

Description:

- The rugged 75 Series is designed and constructed for high pressure hydraulic service. Although these couplings are used in a broad variety of heavy duty applications, a primary usage is in oil fields and offshore drilling. Available in sizes 3/4" through 4", in steel or stainless steel construction.

Features:

- Connect under residual pressure.
- Thread-to-connect.
- Up to 5,000 psi (345 bar) rated pressures.
- Rugged steel construction with Zinc Trivalent Chromate plating.
- Stainless steel construction also available.
- Wide range of sizes.
- Nitrile is standard seal material, other options available.
- DBP version is "Fire Safe" rated to API 16D.

Applications:

- Cranes, Power tongs, Horizontal boring and dewatering.



H Series Nipples (Aluminum, Brass, Steel) - Male Thread

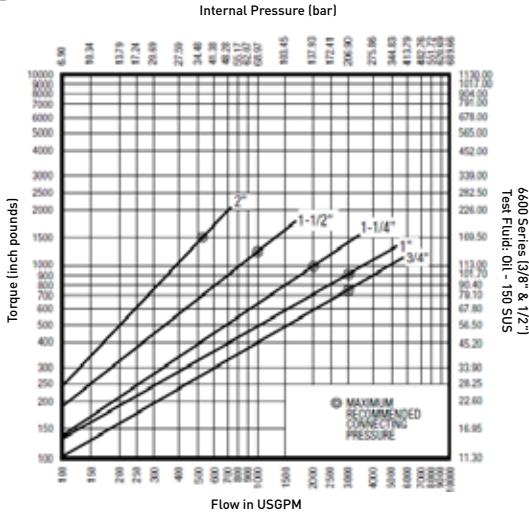
Body Size	Maximum Working Pressure (psi) Steel Only	Minimum Burst Pressure (psi) Steel Only	Maximum Working Pressure (psi) 316 Stainless (Connected Only)
3/4	5000	20000	3000
1	5000	20000	3000
1-1/4	5000	15000	3000
1-1/2	5000	15000	3000
2	5000	15000	3000
2-1/2	3000	6000	-
3	3000	6000	-
4	400	1000	-

Burst pressures listed were taken at the point at which failure rendered the quick-disconnect inoperative. (Proof pressure equals 1-1/2 times the operating pressure).

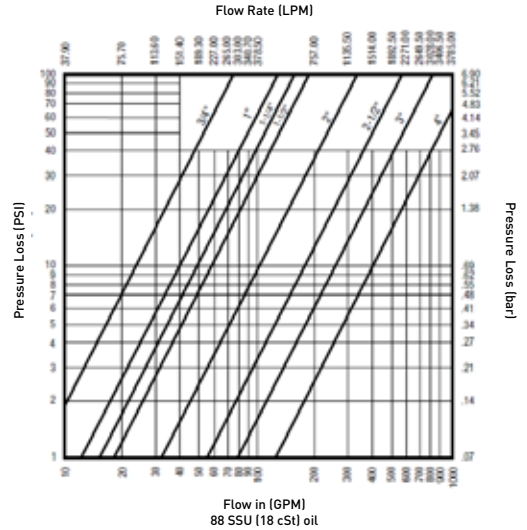
NOTE: Pressure Ratings were established under static pressure conditions. For impulse applications, multiply the above pressure ratings by .6 for approximate pressure ratings.

Performance

Torque Values for Connecting Under Pressure



Flow Chart



75 Series Specifications

Body Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Spillage [cc]	8	16	31	64	141	204	320	400
Air Inclusion [cc]	12	25	48	98	205	368	480	610

75 Series Dust Plugs and Caps

Part Number Dust Plugs (Coupler)	Part Number Dust Caps (Nipple)	Body Size
75MDP-12	75MDC-12	3/4
75MDP-16	75MDC-16	1
75MDP-20	75MDC-20	1-1/4
75MDP-24	75MDC-24	1-1/2
75MDP-32	75MDC-32	2
75MDP-40	75MDC-40	2-1/2
75MDP-64	75MDC-64	4

75 Series Repair Kits

Part Number Coupler Kit	Part Number Nipple Kit	Body Size
75C12-SPK	75N12-SPK	3/4
75C16-SPK	75N16-SPK	1
75C20-SPK	75N20-SPK	1-1/4
75C24-SPK	75N24-SPK	1-1/2
75C32-SPK	75N32-SPK	2
75C40-SPK	75N40-SPK	2-1/2
75C64-SPK	75N64-SPK	4

Each kit contains a valve assembly, spring and guide stop. Consult QCD for "DBP" option seals.

75 Series Couplers



Part Number Steel	Port End	Part Number 316 Stainless Steel	Port End	Body Size	Length (in)	Largest Diameter	Wrench Flats
75C12-12F	3/4-14 NPSF	S75C12-12F	3/4-14 NPSF	3/4	2.84	2.06	1.31
75C12-12F-DBP	3/4-14 NPSF	-	-	3/4	2.84	2.06	N/A
75C16-16F	1-11-1/2 NPSF	S75C16-16F	1-11-1/2 NPSF	1	3.45	4.25	1.69
75C16-16F-DBP	1-11-1/2 NPSF	-	-	1	3.45	4.25	N/A
75C20-20F	1-1/4-11-1/2 NPTF	S75C20-20F	1-1/4-11-1/2 NPT	1-1/4	4.40	4.75	2.00
75C20-20F-DBP	1-1/4-11-1/2 NPTF	-	-	1-1/4	4.40	4.75	N/A
75C24-24F	1-1/2-11-1/2 NPTF	S75C24-24F	1-1/2-11-1/2 NPT	1-1/2	5.04	5.75	2.25
75C24-24F-DBP	1-1/2-11-1/2 NPTF	-	-	1-1/2	5.04	5.75	N/A
75C32-32F	2-11-1/2 NPT	S75C32-32F	2-11-1/2 NPT	2	6.07	6.75	3.00
75C32-32F-DBP	2-11-1/2 NPT	-	-	2	6.07	6.75	3.00
75C40-40F	2-1/2-8 NPTF	S75C40-40F	2-1/2-8 NPTF	2-1/2	5.29	8.00	3.50
75C48-48F	3-8 NPTF	S75C48-48F	3-8 NPTF	3	5.84	8.50	4.25

75 Series Nipples



Part Number Steel	Port End	Part Number 316 Stainless Steel	Port End	Body Size	Length (in)	Largest Diameter	Wrench Flats
75N12-12F	3/4-14 NPSF	S75N12-12F	3/4-14 NPSF	3/4	3.27	1.75	1.56
75N12-12F-DBP	3/4-14 NPSF	-	-	3/4	3.27	1.75	N/A
75N16-16F	1-11-1/2 NPSF	S75N16-16F	1-11-1/2 NPSF	1	4.17	2.25	2.00
75N16-16F-DBP	1-11-1/2 NPSF	-	-	1	4.17	2.25	N/A
75N20-20F	1-1/4-11-1/2 NPTF	S75NC20-20F	1-1/4-11-1/2 NPT	1-1/4	5.36	2.62	2.38
75N20-20F-DBP	1-1/4-11-1/2 NPTF	-	-	1-1/4	5.36	2.62	N/A
75N24-24F	1-1/2-11-1/2 NPTF	S75N24-24F	1-1/2-11-1/2 NPT	1-1/2	5.97	3.25	2.88
75N24-24F-DBP	1-1/2-11-1/2 NPTF	-	-	1-1/2	5.97	3.25	N/A
75N32-32F	2-11-1/2 NPT	S75N32-32F	2-11-1/2 NPT	2	7.05	4.00	3.50
75N32-32F-DBP	2-11-1/2 NPT	-	-	2	7.05	4.00	N/A
75N40-40F	2-1/2-8 NPTF	S75N40-40F	2-1/2-8 NPTF	2-1/2	7.46	5.00	3.50
75N48-48F	3-8 NPTF	S75N48-48F	3-8 NPTF	3	8.26	6.00	4.25

Optional Seal Materials and Features for Couplers and Nipples

(add code to part number)

Code	Part Number Example	Description
suffix V	75C12-12FV	Fluorocarbon seal material
suffix E	75C12-12FE	Ethylene Propylene seal material (EPR)
suffix W	75C12-12FW	Wrench flats on body (standard on 2-1/2" and larger, no code required)
suffix DBP	SB-75C12-12F-DBP	"Fire Safe" BOP version (3/4" - 2" steel only, no alternate seal options)

Contact QCD for availability and additional options.
To select proper seal materials, see Fluid Compatibility Chart.

Description:

- Parker's Snap-tite 71 Series couplings are designed for working pressures up to 10,000 psi. Available in a variety of materials and with a wide range of body sizes. Air inclusion and fluid loss are minimal with the flush face valves. Large flow chambers in the body and an exclusive valve design permit superior flow while maintaining low pressure drop.

Features:

- Flush face/Non-spill.
- Push-to-connect.
- Heavy duty construction.
- Designed for up to 10,000 psi (690 bar) working pressures.
- Variety of materials.
- Wide range of sizes.
- Superior flow and low pressure drop.
- Sleeve lock option to protect against accidental disconnection.

Applications:

- Industrial hydraulic lines, Off-shore drilling.



71 Series Pressure Ratings

Body Size	Steel		316 Stainless Steel		High Pressure Stainless Steel	
	Maximum Working (psi)	Minimum Burst* (psi)	Maximum Working (psi)	Minimum Burst* (psi)	Maximum Working (psi)	Minimum Burst* (psi)
1/4	10,000	20,000	5,000	12,500	10,000	20,000
3/8 x 1/4 ¹	10,000	20,000	5,000	12,500	10,000	20,000
3/8	10,000	20,000	5,000	12,500	10,000	20,000
3/8 x 1/2 ²	10,000	20,000	5,000	12,500	10,000	20,000
1/2	10,000	20,000	5,000	12,500	10,000	20,000
3/4	7,500	15,000	5,000	12,500	7,500	15,000
1	7,500	15,000	4,000	10,000	7,500	15,000
1 x 1-1/4 ³	7,500	15,000	4,000	10,000	7,500	15,000
2 x 1-1/2 ⁴	5,000	10,000	3,000	6,000	5,000	10,000
2	5,000	10,000	3,000	6,000	5,000	10,000

¹ Unit is 3/8" with 1/4" end fitting. ²Unit is 3/8" with 1/2" end fitting, ³1" unit with 1-1/4" end fitting, and ⁴2" unit with 1-1/2" end fitting.
*NOTE: Pressure Ratings were established under static pressure conditions. For high impulse application.

Specifications

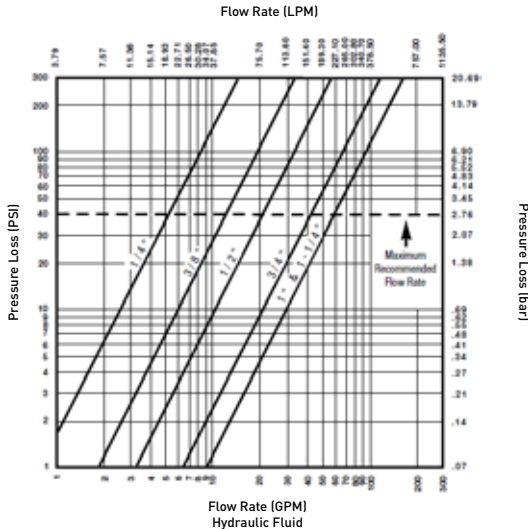
Body Size	1/4	3/8 x 1/4 ¹	3/8	3/8 x 1/2 ²	1/2	3/4	1	1 x 1-1/4 ³	2 x 1-1/4 ⁴	2
Spillage [cc]	.02	.02	.02	.02	.03	.06	.10	.10	5.25	5.25
Air Inclusion [cc]	.01	.02	.02	.02	.03	.04	.06	.06	30.50	30.50

Maximum Recommended Connect/Disconnect Pressures

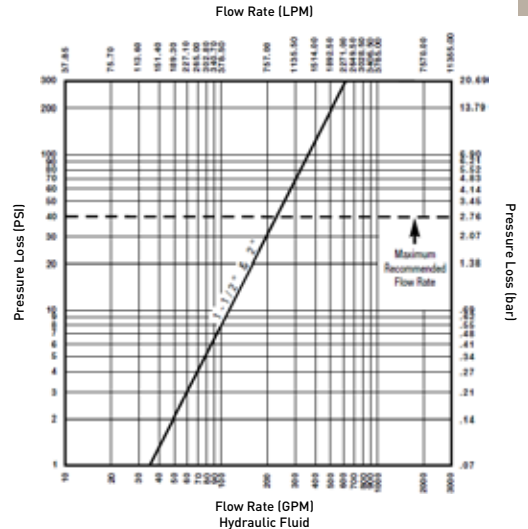
Body Size	1/4	3/8, 1/2, 3/4	1, 1-1/4	1-1/2, 2
Pressure	300	150	75	0

Performance

Sizes 1/4 thru 1-1/4

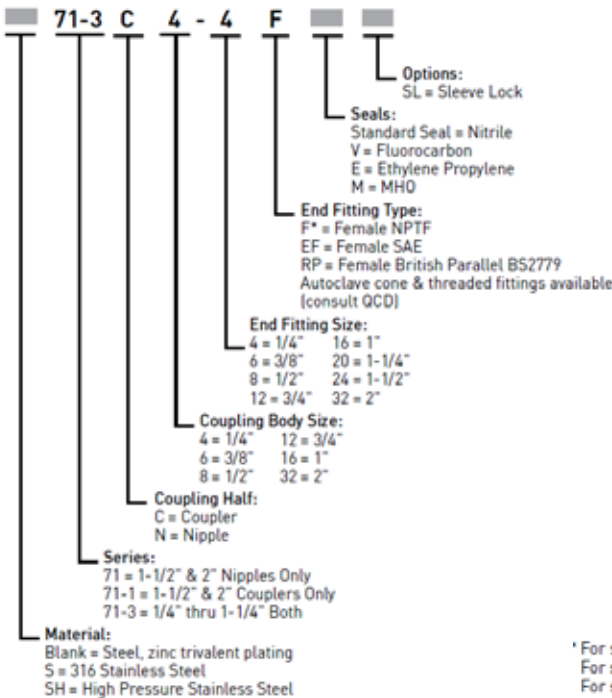


Sizes 1-1/2 and 2



Gallons per minute (gpm) in US gallons. Test Media MIL-H-6083 Hydraulic Fluid at 90°F ± 5°F (+32°C ± 1.5°C) sg .83

Ordering Guide



* For sizes up to 1" NPTF threads in steel.
 For sizes up to 1" NPSF threads in stainless steel.
 For sizes over 1" NPT threads.

71 Series Couplers



Part Number	Part Number 316 Stainless Steel	Part Number High Pressure Stainless Steel	Body Size	Port End	Length (in)	Largest Diameter	Wrench Flats
71-3C4-4F	S71-3C4-4F	SH71-3C4-4F	1/4	1/4 - 18 NPTF	1.96	1.19	0.94
71-3C4-4EF	S71-3C4-4EF	-	1/4	7/16 - 20 UNF	1.96	1.19	0.94
71-3C6-4F	-	-	3/8	1/4 - 18 NPTF	2.36	1.56	1.19
71-3C6-6F	S71-3C6-6F	SH71-3C6-6F	3/8	3/8 - 18 NPTF	2.36	1.56	1.19
71-3C6-6EF	S71-3C6-6EF	SH71-3C6-6EF	3/8	9/16 - 18 UNF	2.36	1.56	1.19
71-3C6-8F	S71-3C6-8F	-	3/8	1/2 - 14 NPTF	2.57	1.56	1.19
71-3C8-8F	S71-3C8-8F	SH71-3C8-8F	1/2	1/2 - 14 NPTF	2.77	1.88	1.50
71-3C8-8EF	S71-3C8-8EF	-	1/2	7/8 - 14 UNF	2.77	1.88	1.50
71-3C12-12F	S71-3C12-12F	SH71-3C12-12F	3/4	3/4 - 14 NPTF	3.05	2.25	1.75
71-3C12-12EF	S71-3C12-12EF	-	3/4	1-1/16 - 12 UNF	3.05	2.25	1.75
71-3C16-16F	S71-3C16-16F	SH71-3C16-16F	1	1 - 11-1/2 NPTF	3.32	2.63	2.00
71-3C16-16EF	S71-3C16-16EF	-	1	1-5/16 - 12 UNF	3.32	2.63	2.00
71-3C16-20F	S71-3C16-20F	-	1	1-1/4 - 11-1/2 NPT	3.32	2.63	2.00
71-3C16-20EF	S71-3C16-20EF	-	1	1-5/8 - 12 UNF	3.32	2.63	2.00
71-1C32-24F	-	-	2	1-1/2 - 11-1/2 NPT	6.21	4.50	3.38
71-1C32-24EF	-	-	2	1-7/8 - 12 UNF	6.21	4.50	3.38
71-1C32-32F	-	-	2	2 - 11-1/2 NPT	6.21	4.50	3.38
71-1C32-32EF	-	-	2	2-1/2 - 12 UNF	6.21	4.50	3.38



Part Number	Part Number 316 Stainless Steel	Part Number High Pressure Stainless Steel	Body Size	Port End	Length (in)	Largest Diameter	Wrench Flats
71-3C4-4F	S71-3C4-4F	SH71-3C4-4F	1/4	1/4 - 18 NPTF	1.84	0.89	0.81
71-3C4-4EF	S71-3C4-4EF	-	1/4	7/16 - 20 UNF	1.84	0.89	0.81
71-3C6-4F	-	-	3/8	1/4 - 18 NPTF	1.84	1.18	1.00
71-3C6-6F	S71-3C6-6F	SH71-3C6-6F	3/8	3/8 - 18 NPTF	2.32	1.18	1.00
71-3C6-6EF	S71-3C6-6EF	SH71-3C6-6EF	3/8	9/16 - 18 UNF	2.32	1.18	1.00
71-3C6-8F	S71-3C6-8F	-	3/8	1/2 - 14 NPTF	2.57	1.65	1.25
71-3C8-8F	S71-3C8-8F	SH71-3C8-8F	1/2	1/2 - 14 NPTF	2.38	1.65	1.50
71-3C8-8EF	S71-3C8-8EF	-	1/2	7/8 - 14 UNF	2.38	1.65	1.50
71-3C12-12F	S71-3C12-12F	SH71-3C12-12F	3/4	3/4 - 14 NPTF	2.96	1.92	1.75
71-3C12-12EF	S71-3C12-12EF	-	3/4	1-1/16 - 12 UNF	2.96	1.92	1.75
71-3C16-16F	S71-3C16-16F	SH71-3C16-16F	1	1 - 11-1/2 NPTF	3.23	2.09	1.88
71-3C16-16EF	S71-3C16-16EF	-	1	1-5/16 - 12 UNF	3.23	2.09	1.88
71-3C16-20F	S71-3C16-20F	-	1	1-1/4 - 11-1/2 NPT	3.23	2.20	1.88
71-3C16-20EF	S71-3C16-20EF	-	1	1-5/8 - 12 UNF	3.23	2.20	1.88
71-1C32-24F	-	-	2	1-1/2 - 11-1/2 NPT	4.50	3.50	3.25
71-1C32-24EF	-	-	2	1-7/8 - 12 UNF	4.50	3.50	3.25
71-1C32-32F	-	-	2	2 - 11-1/2 NPT	4.50	3.50	3.25

Description:

- 60 Series double shut-off couplings are versatile for use across a spectrum of hydraulic applications where fluid lines require connection and disconnection. Couplers and nipples are available in a wide range of sizes and materials.

Features:

- Accepts ISO 7241-1, Series B compliant nipples.
- Poppet valves along with a metal to metal valve stop maintains valve alignment and prevents flow checking.
- Steel, brass, and stainless steel material options.
- Brass couplers have double O-rings and stainless steel locking balls.
- Steel coupler sleeve and steel nipple body are hardened to be wear resistant.
- Standard end configurations include female pipe and straight thread ORB.
- Optional Sleeve-Lok and alternative seal materials available.

Applications:

- Industrial hydraulic lines, Food and chemical processing, Water and coolant lines, Mobile equipment, May be used with some gases.



Hydraulic Quick Couplings 60 Series - General Purpose Specifications

Industry Standard: Parker 60 Series couplings comply with ISO 7241 Series B Standard.

ANSI/ISO Pressure Rating: Dynamic applications with normal to moderate hydraulic shocks such as general industrial equipment, hydraulic presses, agricultural equipment, etc. Impulse tested at a multiple (125% to 133%) of rated pressure.

Low Cycle, Non-pulsating Pressure Rating: Applications with lower cycle life and no severe cyclic pressure fluctuations, essentially steady pressure during an operating cycle. Typical applications include hydraulic jacks, mine roof support systems, and high pressure fluid transfer (pumping water or slurry in oil wells).
Minor pump ripple is considered non-pulsating. Impulse tested at rated pressure.

Body Size	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
	Rated Pressure (psi)								Rated Pressure (psi)							
Brass	1000	1000	1000	1000	1000	1000	800	800	3000	3700	2700	3500	2200	1500	1500	1200
Stainless Steel	2000	2000	1500	1500	1500	1000	1000	1000	5000	5000	5000	5000	3000	3000	1500	1500
Steel	5000	5000	4000	4000	2500	2000	1000	1000	5000	5000	4000	4000	2500	2000	1500	1500
Steel w/ HD nipple	N/A	5000	4000	4000	3000	3000	N/A	N/A	5000	5000	4000	4000	3000	3000	N/A	N/A

Seal Temperature Range

Nitrile: -40°F to +250°F (Standard seal for Brass, Steel, & 303 Stainless Steel couplings).

Fluorocarbon: -15°F to +400°F (Standard seal for 316 Stainless Steel couplings).

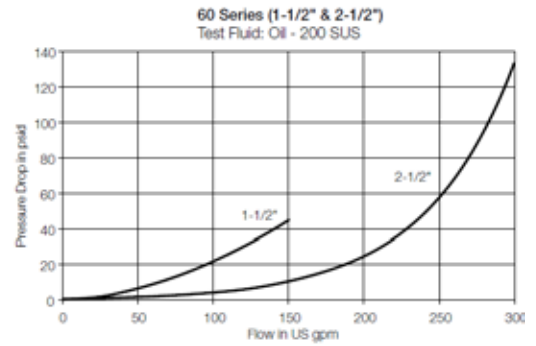
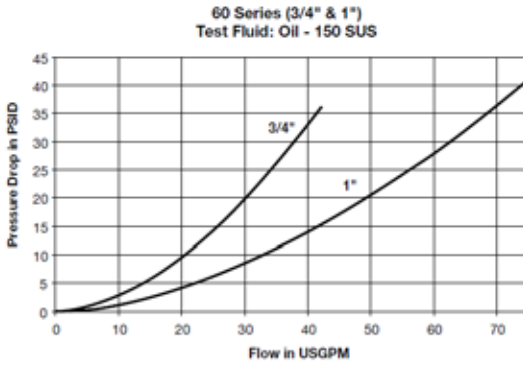
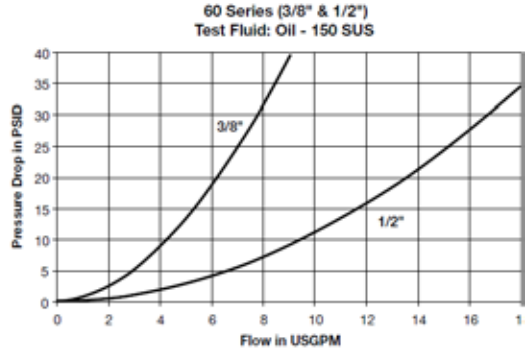
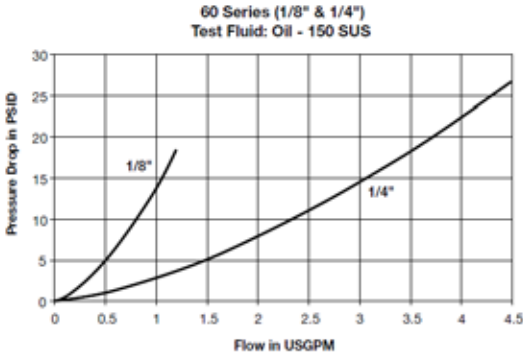
Other Seal materials: Contact the Division for availability.

Vacuum Data: 27.4 inches Hg (-0.9 Bar) both connected and disconnected.

(1-1/2" and 2-1/2" body size 60 Series couplings are not recommended for service in disconnected model)

Body Size	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
Rated Flow (gpm)	.8	3	6	12	28	50	100	200

Performance



Couplers - Female Thread



Part Number Brass	Weight (lbs.)	Part Number Steel	Weight (lbs.)	Part Number Type 303 Stainless	Weight (lbs.)	Part Number Type 316 Stainless	Weight (lbs.)	Body Size	Thread Size	Overall Length	Wrench Flats	Largest Diameter
BH1-60	0.16	H1-62	0.16	SH1-62	0.16	SSH1-62Y	0.15	1/8	1/8-27 NPTF	1.90	0.68	0.96
-	-	H1-62-T4	0.18	SH1-62-T4	0.10	SSH1-62Y-T4	0.17	1/8	7/16-20 ORB	2.06	0.68	0.96
BH2-60	0.32	H2-62	0.30	SH2-62	0.30	SSH2-62Y	0.30	1/4	1/4-18 NPTF	2.26	0.81	1.14
-	-	H2-62-T6	0.31	SH2-62-T6	0.31	SSH2-62Y-T6	0.31	1/4	9/16-18 ORB	2.41	0.81	1.14
BH3-60	0.43	H3-62	0.40	SH3-62	0.40	SSH3-62Y	0.40	3/8	3/8-18 NPTF	2.49	0.88	1.40
-	-	H3-62-T8	0.51	SH3-62-T8	0.51	SSH3-62Y-T8	0.51	3/8	3/4-16 ORB	2.75	1.00	1.40
BH4-60	0.80	H4-62	0.73	SH4-62	0.75	SSH4-62Y	0.76	1/2	1/2-14 NPTF	2.87	1.12	1.77
-	-	H4-62-T10	0.78	SH4-62-T10	0.75	SSH4-62Y-T10	0.78	1/2	7/8-14 ORB	3.05	1.12	1.77
BH6-60	1.31	H6-62	1.30	SH6-62	1.31	SSH6-62Y	1.33	3/4	3/4-14 NPTF	3.56	1.31	2.14
-	-	H6-62-T12	1.39	SH6-62-T12	1.34	SSH6-62Y-T12	1.40	3/4	1-1/16 - 12 ORB	3.56	1.31	2.14
BH8-60	1.95	H8-62	1.95	SH8-62	1.95	SSH8-62Y	1.95	1	1 - 11 1/2 NPTF	4.18	1.62	2.52
-	-	H8-62-T16	1.95	SH8-62-T16	1.95	SSH8-62Y-T16	1.95	1	1-5/16 - 12 ORB	4.18	1.62	2.52

Nipples - Female Thread



Part Number Brass	Weight (lbs.)	Part Number Steel	Weight (lbs.)	Part Number Type 303 Stainless	Weight (lbs.)	Part Number Type 316 Stainless	Weight (lbs.)	Body Size	Thread Size	Overall Length	Exposed Length*	Wrench Flats	Largest Diameter
BH1-61	0.04	H1-63	0.03	SH1-63	0.03	SSH1-63Y	0.04	1/8	1/8-27 NPTF	1.26	0.44	0.56	0.65
-	0.06	H1-63-T4	0.05	SH1-63-T4	-	SSH1-63Y-T4	0.06	1/8	7/16-20 ORB	1.41	0.59	0.69	0.78
BH2-61	0.09	H2-63	0.08	SH2-63	0.08	SSH2-63Y	0.08	1/4	1/4-18 NPTF	1.54	0.55	0.75	0.87
-	0.11	H2-63-T6	0.10	SH2-63-T6	0.10	SSH2-63Y-T6	0.10	1/4	9/16-18 ORB	1.69	0.70	0.88	1.01
BH3-61	0.10	H3-63	0.12	SH3-63	0.12	SSH3-63Y	0.12	3/8	3/8-18 NPTF	1.68	0.54	0.88	1.01
-	0.12	H3-63-T8	0.16	SH3-63-T8	0.16	SSH3-63Y-T8	0.14	3/8	3/4-16 ORB	1.94	0.80	1.00	1.15
BH4-61	0.25	H4-63	0.24	SH4-63	0.24	SSH4-63Y	0.24	1/2	1/2-14 NPTF	1.94	0.69	1.12	1.30
-	0.28	H4-63-T10	0.27	SH4-63-T10	0.27	SSH4-63Y-T10	0.27	1/2	7/8-14 ORB	2.12	0.87	1.19	1.37
BH6-61	0.50	H6-63	0.46	SH6-63	0.45	SSH6-63Y	0.46	3/4	3/4-14 NPTF	2.43	0.79	1.38	1.59
-	0.55	H6-63-T12	0.46	SH6-63-T12	0.50	SSH6-63Y-T12	0.50	3/4	1-1/16 - 12 ORB	2.54	0.90	1.34	1.59
BH8-61	0.76	H8-63	0.76	SH8-63	0.76	SSH8-63Y	0.76	1	1 - 11 1/2 NPTF	2.91	0.99	1.62	1.88
-	0.80	H8-63-T16	0.80	SH8-63-T16	0.80	SSH8-63Y-T16	0.80	1	1-5/16 - 12 ORB	2.91	0.99	1.62	1.88

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

Couplers - Female Thread



Part Number Brass	Weight (lbs.)	Part Number Steel	Weight (lbs.)	Part Number Type 303 Stainless	Weight (lbs.)	Part Number Type 316 Stainless	Weight (lbs.)	Body Size	Thread Size	Overall Length	Wrench Flats	Largest Diameter
BH12-60L	4.58	H12-62L	4.70	SH12-62L	4.68	SSH12-62LY	4.68	1-1/2	1-1/4 - 11 1/2 NPTF	4.86	2.38*	3.00
BH12-60N	4.58	H12-62N	4.70	SH12-62N	4.68	SSH12-62NY	4.68	1-1/2	1-1/2 - 11 1/2 NPTF	4.86	2.38*	3.00
-	4.61	H12-62-T20	4.72	SH12-62-T20	4.71	SSH12-62Y-T20	4.71	1-1/2	1-5/8 - 12 ORB	4.86	2.38*	3.00
-	4.61	H12-62-T24	4.72	SH12-62-T24	4.71	SSH12-62Y-T24	4.71	1-1/2	1-7/8 - 12 ORB	4.86	2.38*	3.00
BH2016-60	11.06	H2016-62	10.58	SH2016-62	-	SSH2016-62Y	-	2-1/2	2 - 11 1/2 NPTF	5.57	3.75	4.10
BH2020-60	11.42	H2020-62	10.91	SH2020-62	-	SSH2020-62Y	-	2-1/2	2 1/2 - 8 NPTF	6.04	3.75	4.10
BH2024-60	-	H2024-62	-	SH2024-62	-	SSH2024-62Y	-	2-1/2	3 - 8 NPTF	6.69	4.00	4.35

*Wrench Flat on 303 Stainless is 2.50 in.

Nipples - Female Thread



Part Number Brass	Weight (lbs.)	Part Number Steel	Weight (lbs.)	Part Number Type 303 Stainless	Weight (lbs.)	Part Number Type 316 Stainless	Weight (lbs.)	Body Size	Thread Size	Overall Length	Exposed Length*	Wrench Flats	Largest Diameter
BH12-61L	2.96	H12-63L	3.10	SH12-63L	3.06	SSH12-63LY	-	1-1/2	1-1/4 - 11 1/2 NPTF	4.76	2.69	2.38‡	2.75†
BH12-61N	2.96	H12-63N	3.10	SH12-63N	3.06	SSH12-63NY	-	1-1/2	1-1/2 - 11 1/2 NPTF	4.76	2.69	2.38‡	2.75†
-	-	H12-63-T20	3.15	SH12-63-T20	3.14	SSH12-63Y-T20	-	1-1/2	1-5/8 - 12 ORB	4.76	2.69	2.38‡	2.75†
-	-	H12-63-T24	3.15	SH12-63-T24	3.14	SSH12-63Y-T24	-	1-1/2	1-7/8 - 12 ORB	4.76	2.69	2.38‡	2.75†
BH2016-61	7.78	H2016-63	7.90	SH2016-63	7.92	SSH2016-63Y	-	2-1/2	2 - 11 1/2 NPTF	5.48	2.90	3.75	4.10
BH2020-61	8.12	H2020-63	8.16	SH2020-63	8.16	SSH2020-63Y	-	2-1/2	2-1/2 - 8 NPTF	5.95	3.37	3.75	4.10
BH2024-61	-	H2024-63	-	SH2024-63	-	SSH2024-63Y	-	2-1/2	3 - 8 NPTF	6.87	4.29	4.00	4.35

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

† Largest diameter on Brass is 2.96" across Hex Corners

‡ Hex on 303 Stainless is 2.50 in.

Optional Materials and Features:

(add code to part number)

Code	Part Number Example	Description
suffix -VA	H3-63-VA	Valve actuator (Nipples)
suffix -SL	H3-62-SL	Sleeve-Lok (Couplers)
prefix HD	HDH3-63	Heavy duty (Steel Nipples)
suffix W	H3-63W	Ethylene Propylene seal material (EPR)
suffix Y	H3-62Y	Fluorocarbon seal material
suffix Z	H3-63Z	Neoprene seal material

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.

Replacement Parts

Repair Kits

60 Series Couplers		
Part Number O-Rings - Nitrile	Part Number Back-Up Rings	Body Size
50001-013-0010	H67A-28	1/8
50001-015-0010	H67C-28	1/4
50001-116-0010	4118007	3/8
50001-213-0010	4128002	1/2
50001-218-0010	4148001	3/4
50001-222-0010	4158001	1
50001-124-0010 (Valve)	-	1-1/2
50001-138-0260 (Fitting)	-	1-1/2
50001-224-0010 (Body 2 req.)	-	1-1/2
50001-133-0010 (Valve)	-	2-1/2
50001-234-0260 (Fitting)	-	2-1/2
50001-333-0010 (Body)	-	2-1/2

Couplers		Nipples		Body Size
Part Number Repair Kit	Used for	Part Number Repair Kit	Used for	
H67E-62K	H3-62	H67E-63K	H3-63	3/8
BH67E-60K	BH3-60	BH67E-61K	BH3-61	3/8
SH67E-62K	SH3-62	SH67E-63K	SH3-63	3/8
SSH67-62KY	SSH3-62Y	SSH67E-63KY	SSH3-63Y	3/8
H67F-62K	H4-62	H67F-63K	H4-63	1/2
BH67F-60K	BH4-60	BH67F-61K	BH4-61	1/2
SH67F-62K	SH4-62	SH67F-63K	SH4-63	1/2
SSH67F-62KY	SSH4-62Y	SSH67F-63KY	SSH4-63Y	1/2
H67G-62K	H6-62	H67G-63K	H6-63	3/4
BH67G-60K	BH6-60	BH67G-61K	BH6-61	3/4
SH67G-62K	SH6-62	SH67G-63K	SH6-63	3/4
SSH67G-62KY	SSH6-62Y	SSH67G-63KY	SSH6-63Y	3/4
H67J-62K	H8-62	H67J-63K	H8-63	1
BH67J-60K	BH8-60	BH67J-61K	BH8-61	1
SH67J-62K	SH8-62	SH67J-63K	SH8-63	1
SSH67J-62KY	SSH8-62Y	SSH67J-63KY	SSH8-63Y	1

60 Series Dust Plugs and Caps



Part Number Coupler Dust Plug Aluminum	Part Number Coupler Dust Plug Rubber	Part Number Nipple Dust Cap Aluminum	Part Number Nipple Dust Cap Rubber	Body Size
H1-65	H1-65M	H1-66	H1-66M	1/8
H2-65	H2-65M	H2-66	H2-66M	1/4
H3-65	H3-65M	H3-66	H3-66M	3/8
H4-65	H4-65M	H4-66	H4-66M	1/2
H6-65	H6-65M	H6-66	H6-66M	3/4
H8-65	H8-65M	H8-66	H8-66M	1
H12-65	-	H12-66	-	1-1/2
H20P-65	-	H20P-66	-	2-1/2

Description:

- 60 Series Steam couplings are brass with stainless steel locking balls and ethylene propylene seals to withstand temperatures up to 400 F. 1/4 to 1 inch body sizes. 3/8 inch size couplers have a grip-ring sleeve.

Features:

- Accepts ISO 7241-1, Series B compliant nipples.
- Poppet valves along with a metal to metal valve stop maintains valve alignment and prevents flow checking.
- Brass couplers have double O-rings and stainless steel locking balls.
- Standard end configurations is female pipe thread.

Applications:

- Steam systems, Cleaning equipments



Specifications

Body Size	1/4 to 1
Standard Seal Material	Ethylene Propylene
Temperature Range	up to +400°

Repair Kits - Steam Coupling

Body Size	Repair Kit Part No.	Used for Part No.
3/8	H68E-67K	H3-68
3/8	H69E-67K	H3-69

Couplers - Female Pipe Thread



H3-68 has grip-ring sleeve

Part Number Brass	Body Size	Thread Size	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
BH2-60-STM	1/4	1/4-18 NPTF	2.26	1.14	0.81	0.30
H3-68	3/8*	3/8-18 NPTF	2.50	1.77	0.88	0.50
BH4-60-STM	1/2	1/2-14 NPTF	2.87	1.77	1.12	0.75
BH6-60-STM	3/4	3/4-14 NPTF	3.56	2.14	1.31	1.31
BH8-60-STM	1	1-11 1/2 NPTF	4.18	2.52	1.62	1.95

* See Photo for 3/8 inch size coupler configuration.

Nipple - Female Pipe Thread



Part Number Brass	Body Size	Thread Size	Overall Length	Exposed * Length	Largest Diameter	Wrench Flats	Weight (lbs.)
BH2-61-STM	1/4	1/4 - 18 NPTF	1.54	0.65	0.87	0.75	0.08
H3-69	3/8	3/8 - 18 NPTF	1.68	0.52	1.01	0.88	0.13
BH4-61-STM	1/2	1/2 - 14 NPTF	1.94	0.69	1.30	1.12	0.24
BH6-61-STM	3/4	3/4 - 14 NPTF	2.43	0.79	1.59	1.38	0.46
BH8-61-STM	1	1 - 11 1/2 NPTF	2.91	0.99	1.88	1.62	0.76

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

Description:

- The 6600 Series are versatile for use in a wide range of hydraulic applications where fluid lines require connection and disconnection for equipment operation or maintenance.

Features:

- Accepts ISO 7241-1, Series A compliant nipples.
- Poppet valves and a metal perch to maintain valve alignment and prevent flow checking.
- Coupler sleeve and nipple body are hardened to be damage resistant.
- Standard end configurations include female pipe and straight thread ORB.
- Protective zinc plating with clear trivalent chromate finish.

Applications:

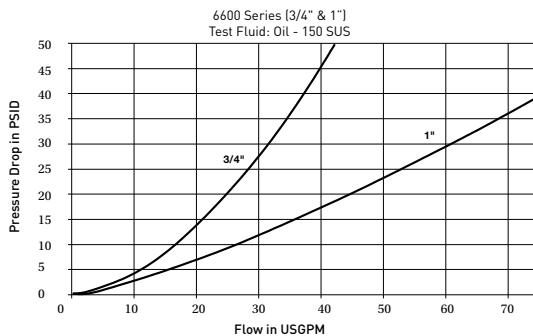
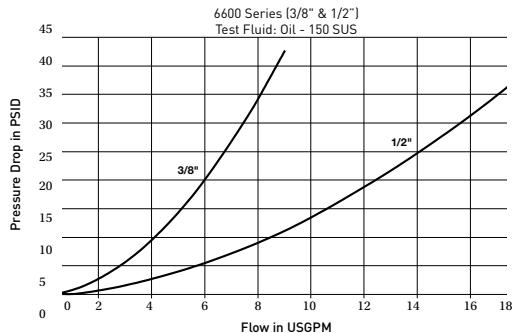
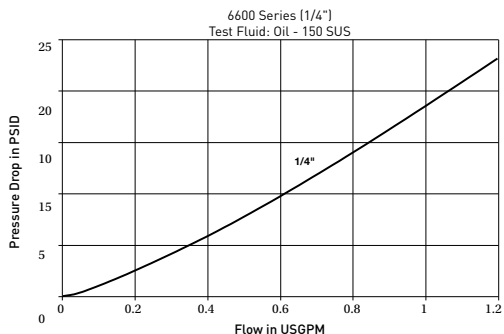
- Snow plows, Truck trailer connections, Mobile applications, Attachments.



6600 Series Specifications

Body Size	Rated Flow (gpm)	Rated Pressure (psi)	Temperature	Body Material	Sleeve Type	Seal Material
1/4	3	5000	-40° F to +250° F	Steel	Manual Connect	Nitrile
3/8	6	4000				
1/2	12	4000				
3/4	28	4000				
1	50	4000				

Performance



6600 Series Couplers



Part Number	Body Size	Port End	Valve Type	Length	Largest Diameter	Wrench Flats	Weight (lbs.)
6601-2-4	1/4	1/8-27 NPTF	Poppet	1.85	1.08	0.88	0.27
6601-4-4	1/4	1/4-18 NPTF	Poppet	1.85	1.08	0.88	0.26
6601-6-6	3/8	3/8-18 NPTF	Poppet	2.18	1.27	1.06	0.39
6608-6-6	3/8	9/16-18 ORB	Poppet	2.18	1.27	1.06	0.38
6601-8-10	1/2	1/2-14 NPTF	Poppet	2.75	1.52	1.25	0.67
6601-12-10	1/2	3/4-14 NPTF	Poppet	2.88	1.52	1.38	0.71
6608-8-10	1/2	3/4-16 ORB	Poppet	2.74	1.52	1.25	0.67
6608-10-10	1/2	7/8 -14 ORB	Poppet	2.79	1.52	1.25	0.64
6608-12-10	1/2	1 1/16-12 ORB	Poppet	3.01	1.52	1.38	0.77
6601-12-12	3/4	3/4 -14 NPTF	Poppet	3.36	1.90	1.62	1.31
6608-12-12	3/4	1 1/16-12 ORB	Poppet	3.35	1.90	1.62	1.31
6601-16-16	1	1-11 1/2 NPTF	Poppet	4.11	2.14	1.88	1.93
6608-16-16	1	1 5/16-12 ORB	Poppet	4.11	2.14	1.88	1.75

6600 Series Nipples



Part Number	Body Size	Port End	Valve Type	Length	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
6602-2-4	1/4	1/8-27 NPTF	Poppet	1.41	0.50	0.65	0.56	0.05
6602-4-4	1/4	1/4-18 NPTF	Poppet	1.41	0.58	0.87	0.75	0.07
6602-6-6	3/8	3/8-18 NPTF	Poppet	1.63	0.72	1.01	0.88	0.11
6610-6-6	3/8	9/16-18 ORB	Poppet	1.63	0.72	1.01	0.88	0.13
6602-8-10	1/2	1/2-14 NPTF	Poppet	2.08	0.78	1.23	1.06	0.21
6602-12-10	1/2	3/4-14 NPTF	Poppet	2.30	0.78	1.59	1.38	0.33
6610-8-10	1/2	3/4-16 ORB	Poppet	2.08	0.76	1.23	1.06	0.22
6610-10-10	1/2	7/8-14 ORB	Poppet	2.08	0.82	1.30	1.12	0.21
6610-12-10	1/2	1 1/16 -12 ORB	Poppet	2.30	1.04	1.59	1.38	0.33
6602-12-12	3/4	3/4-14 NPTF	Poppet	2.55	1.18	1.59	1.38	0.49
6610-12-12	3/4	1 1/16-12 ORB	Poppet	2.55	1.18	1.59	1.38	0.47
6602-16-16	1	1-11 1/2 NPTF	Poppet	3.10	1.34	1.88	1.62	0.75
6610-16-16	1	1-5/16-12 ORB	Poppet	3.10	1.34	2.17	1.62	0.72

* This dimension represents the portion of the nipple that is exposed when the nipple and coupler are connected.

6600 Series Replacement Parts

O-Rings - Nitrile	Back-up Rings	Body Size
50001-112-0010	4118006	1/4
50001-115-0010	4118005	3/8
50001-211-0010	50-140-4	1/2
50001-123-0010	4138001	3/4
50001-126-0010	4148002	1

6600 Series Dust Caps and Plugs



Part Number Dust Plug (Coupler)	Part Number Dust Cap (Nipple)	Body Size	Color/ Material	Weight (lbs.)
H1-65M	H1-66M	1/4	Black Rubber	.02
TR-37	TR-37	3/8	Black Rubber	.04
5205-4M	5209-4M	1/2	Black Rubber	.04
6659-12M	6657-12M	3/4	Black Rubber	.06
6659-16M	6657-16M	1	Black Rubber	.08

Optional Materials and Features:

(add code to part number)

Code	Part Number Example	Description
suffix SL	6601-6-6-SL	Sleeve-Lok (Couplers)
suffix W	6601-6-6-W	Ethylene Propylene seal material (EPR)
suffix Y	6601-6-6-Y	Fluorocarbon seal material
suffix Z	6601-6-6-Z	Neoprene seal material

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.



Hydraulics



Accumulators

- └ Diaphragm Accumulators 176
- └ Accessories 177-180

Pumps & Motor

- └ Gear Pump 181

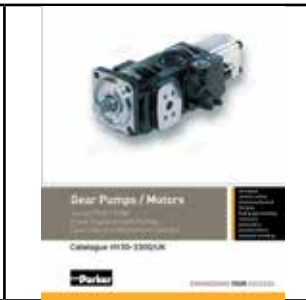
Valves

- └ Directional Control Valves 182-184
- └ Sandwich Valve 185-186
- └ Flow Control Valves 187-188
- └ Ball Valves 189-190
- └ Coils for Threaded Cartridge Valve 191

For more product offerings, please refer to:



Accumulators, Accessories and Spares
Catalogue HY-7000/UK



Gear Pumps / Motors
Catalogue HY30-3300/UK



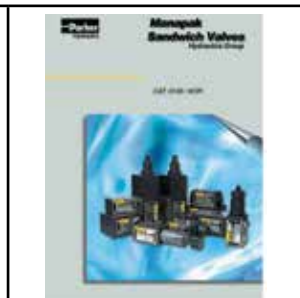
Color Flow & Ball Valve
Catalogue HY14-3300 US



Directional Control Valves
Catalogue HY11-3500/UK



PTC Solenoid
Catalogue HY15-3502 US



Sandwich Valve
Catalogue 0150/KOR

- Description:** • Parker's accumulators are energy storage devices which enhance the performance of a hydraulic system by supplementing and stabilising pump delivery.
- Construction:** • Shell - Carbon Steel
• Seals - nitrile (NBR).
- Recommended fluids:** • Group 2, general purpose mineral oil-based fluids.
- Operating temperature:** • From -10°C to +80°C.
- Applications:** • Pilot valve operation, safety systems, power units.
- Advantages:** • Reduced noise and shock deliver improved component and system life.
• Reduced downtime and greater system efficiency improves machine productivity.

ELM Series - Diaphragm accumulators



Part Number	Description	Compatible with	Capacity	Max. Operating Pressure	Fluid Port	Weight kg
			Litres	Bar		
108492 01125	ELM 0.075 - 250/AF	SB0250-0.075 E1 / 112 U-250AK	0.075	250	G 1/2	0.7
108493 01125	ELM 0.16 - 250/AF	SB0210-0.16 E1 / 112 U-210AK	0.16	250	G 1/2	1
109866 01125	ELM 0.32 - 210/AF	SB0210-0.32 E1 / 112 U-210AK	0.32	210	G 1/2	1.4
108495 01125	ELM 0.50 - 210/AF	SB0210-0.5 E1 / 112 U-210AK	0.5	210	G 1/2	2
108497 01125	ELM 0.75 - 210/AF	SB0210-0.75 E1 / 112 U-210AK	0.75	210	G 1/2	2.6
109318 01125	ELM 0.75 - 350/AF	SB0330-0.75 E1 / 112 U-330AK	0.75	350	G 1/2	4
109847 01125	ELM 1 - 210/AF	SB0200-1 E1 / 112 U-200AK	1	210	G 1/2	3.5
108502 01125	ELM 1.4 - 140/AF	SB0140-1.4 E1 / 112 U-140AK	1.4	140	G 1/2	4.1
109965 01125	ELM 1,4 - 210/AF	SB0210-1.4 E1 / 112 U-210AK	1.4	210	G 1/2	4.2
110132 01125	ELM 1,4 - 250/AF	SB0250-1.4 E1 / 112 U-250AK	1.4	250	G 1/2	5.5
109321 01125	ELM 1,4 - 350/AF	SB0330-1.4 E1 / 112 U-330AK	1.4	350	G 1/2	7
108504 01125	ELM 2 - 100/AF	SB0100-2 E1 / 112 U-100AK	2	100	G 1/2	3.5
110134 01125	ELM 2 - 250/AF	SB0250-2 E1 / 112 U-250AK	2	250	G 3/4	9.5
110060 01125	ELM 2 - 350/AF	SB0330-2 E1 / 112 U-330AK	2	350	G 3/4	9.5
108879 01125	ELM 2,8 - 250/AF	SB0250-2.8 E1 / 112 U-250AK	2.8	250	G 3/4	10
109758 01125	ELM 2,8 - 350/AF	SB0330-2.8 E1 / 112 U-330AK	2.8	350	G 3/4	14.3
108505 01125	ELM 3,5 - 250/AF	SB0250-3.5 E1 / 112 U-250AK	3.5	250	G 3/4	11
109849 01125	ELM 3,5 - 350/AF	SB0330-3.5 E1 / 112 U-330AK	3.5	350	G 3/4	16

EHV Series - Bladder Accumulators



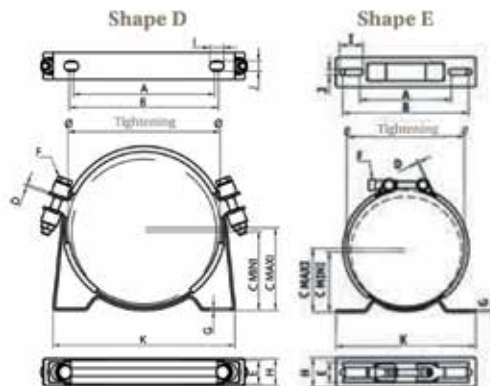
Part Number	Description	Compatible with	Complete Repair Kit	Capacity	Rated Pressure	Max. Flow rate	Fluid Port	Weight kg
				Litres	bar	L/min		
108456 01125	EHV 1-350/90	SB330H-1A1/112U-330A	19029700225	1	350	240	G 3/4" cyl	6
108547 01125	EHV 2.5-350/90	SB330H-2.5A1/112U-330A	19029800225	2.5	350	450	G 1" 1/4 cyl	11
108454 01125	EHV 4-350/90	SB330H-4A1/112U-330A	19029900225	4	350	450	G 1" 1/4 cyl	15
108612 01125	EHV 5-350/90	SB330H-5A1/112U-330A	19030000225	5	350	450	G 1" 1/4 cyl	17
108574 01125	EHV 6-350/90	SB330H-6A1/112U-330A	19030100225	6	350	450	G 1" 1/4 cyl	20
110076 01125	EHV 10-330/90	SB330H-10A1/112U-330A	19052300225	10	330	1200	G 2" cyl	31
11007801125	EHV 20-330/90	SB330H-20A1/112U-330A	19052500225	20	330	1200	G 2" cyl	49
11007901125	EHV 2405-330/90	SB330H-24A1/112U-330A	19052600225	25	330	1200	G 2" cyl	56
11008001125	EHV 32-330/90	SB330H-32A1/112U-330A	19052700225	32	330	1200	G 2" cyl	81
11079401125	EHV 50-330/90	SB330H-50A1/112U-330A	19032000225	50	330	1200	G 2" cyl	110

Description:

- Steel with zinc plated protection, Rubber EPDM (Version 48), Rubber NBR Nitrile (Version 25) Stainless Steel on request. For Accumulator working in Dynamic Application such as rotating, please contact Parker Olaer for special clamps and support brackets.

Clamps

Type Part number	Design	RECOMMENDED Min to Max TIGHTENING ϕ mm	Dimensions in mm											Recommended tightening torque N.m	Recommended max allowable weight if vertical equipment kg	Recommended max allowable weight if horizontal equipment kg	
			A	B	C		D	E	F	G	H	I	J				K
					Min	Max											
A58 20148203625	E	54 to 56	92	102	36	36	3	37	M10x80	3	31	14	9	134	7	10	30
E95 20250803648	E	87 to 97	88	140	61.5	65.5	1.5	28	M8x75	3	40	35	9	155	7	30	90
E106 20250903648	E	99 to 109	88	140	68	73	1.5	28	M8x75	3	40	35	9	155	7	30	90
E114 20251003648	E	112 to 124	88	140	73	78	1.5	28	M8x75	3	40	35	9	155	7	30	90
E136 20251103648	E	128 to 138	88	140	80	85	1.5	28	M8x75	3	40	35	9	155	7	30	90
E155 20251203648	E	146 to 157	137	189	81	85.5	1.7	30	M10x80	3	45	35	9	210	10.5	60	60
E160 20259003648	E	155 to 165	137	189	86.88	91.88	1.7	32	M10x80	3	45	35	9	210	10.5	60	60
E168 20251303648	E	166 to 176	137	189	92	96	1.7	30	M10x80	3	45	35	9	210	10.5	60	60
E180 20243203625	E	178 to 184	137	189	97	100	2	35	M10x80	4	65	35	9	210	10.5	60	60
D215 20251403648	D	215 to 219	210	222	125	125	3	38	M12x70	3	40	21	15	266	9	65	110
D226 20251503648	D	219 to 228	210	222	119	122.5	3	35	M12x80	3	40	21	15	270	11	75	150
D368 20127403625	D	363 to 368	334	346	198.5	201	3	38	M12x75	3	50	21	15	420	11	50	80



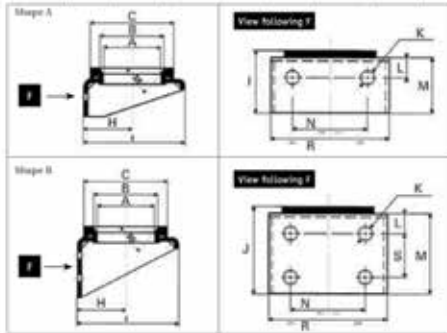
5

Support Brackets

For Accumulator working in Dynamic Application such as rotating, please contact Parker Olaer for special clamps and support brackets

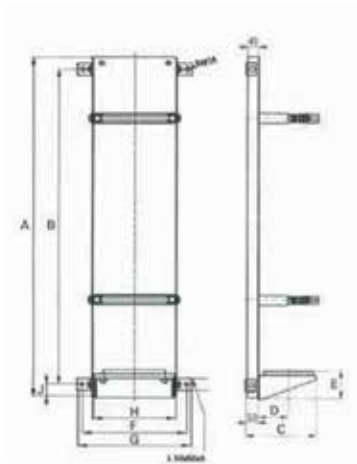
HYDRAULICS

Type Part number	Models	Type	Design	Dimensions in mm											Weight in kg	
				A	B	C	H	I	J	K	L	M	N	R		S
CE89 20151900620	Accumulators 1 to 5 Litres	CE89	A	89	101	125	73	140	75	13	25	60	75	130	-	0.8
CE108 20118703620	EHV 4 & 6 & 10 Litres	CE108	A	108	120	150	92	175	95	17	25	80	160	210	-	1.5
CE158A 20109000620	Accumulators 10 to 50 Litres < 550 Bar	CE158A	B	159	170	200	123	235	115	17	25	100	200	260	40	2.5



Mounting Frames

Type Part number	For Models EHV	Type	Dimensions in mm								
			A	B	C	D	E	F	G	H	J
EF1 20217500125	EHV 4 & 6 & 10 Litres	EF1	670	570	225	92	96	340	370	270	50
EF2 20217600125	EHV 10 & 12 & 20 & 24.5 Litres	EF2	670	570	285	123	115	340	370	270	50
EF3 20217700125	EHV 32 & 50 Litres	EF3	1405	1360	285	123	115	340	370	270	55



Charging Set VGU

The charging set VGU is an indispensable instrument for the verification, pressurization and nitrogen bleeding of most of hydraulic accumulators available on the market. The standard set is delivered in a storage case containing the following:

- VGU universal tester and pressurizer (end M28 x 1.50)
- Pressure gauge kit from 0 to 25 bar
- Connection adapters for inflation valves (7/8" - 5/8" - 8V1 - M28 x 1.50)
- High pressure hose, 2.5 m long, for connecting to a nitrogen source
- Hexagon socket screw key 6 mm.
- Jackets of replacment joints
- Operating instruction in French, English, German

Note: On request, the following options are available:

- Pressure gauge kits with different scale divisions: 63 mm with glycerol bath back end G1/4" cyl. equipped with direct gear for Minimesse ® connection. Scale divisions 0-10, 0-60, 0-100, 0-400, with accuracy class 1.6%
- High pressure hose of different length with adapters for nitrogen bottles from various countries (specify country), at each end with a female swivel coupling G1/4" for connecting to the inflation port.

Maximum working pressure: • limited by the maximum operating pressure of the installed hydraulic system, pressure limited to 400 bar in any case

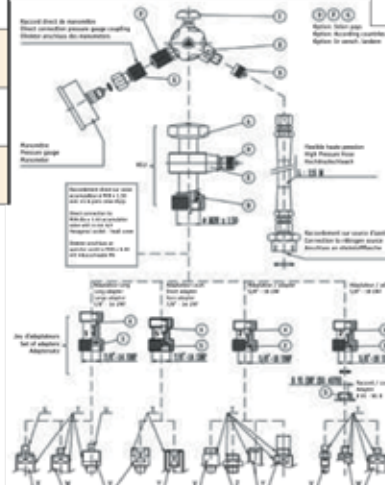
Type Part number	Spare Parts	
	High Pressure Hose	Spare Part Kits
	Type	Type
VGU/F.25/250.8.TS2.3	TS2 (France & China)	
20214122823	20214800000	10774100023
VGU/F.25/250.8.TS3.3	TS3 (Germany)	
20214122833	20228000000	10774100023
VGU/F.25/250.8.TS8.3	TS8 (Italy)	
20214122883	20217200000	10774100023
VGU/F.25/250.8.TS9.3	TS9 (Netherlands)	
20214122893	20227300000	10774100023
VGU/F.25/400.8.TS2.3	TS2 (France & China)	
20214139823	20214800000	10774100023
VGU/F.25/400.8.TS3.3	TS3 (Germany)	
20214139833	20228000000	10774100023
VGU/F.25/400.8.TS8.3	TS8 (Italy)	
20214139883	20217200000	10774100023
VGU/F.25/400.8.TS9.3	TS9 (Netherlands)	
20214139893	20227300000	10774100023

Spare Parts Gauge Kit VGU

Type
Part number
0 to 25 bar
00090300000
0 to 250 bar
00090500000
0 to 400 bar
00090600000

Spare Parts Adaptors VGU

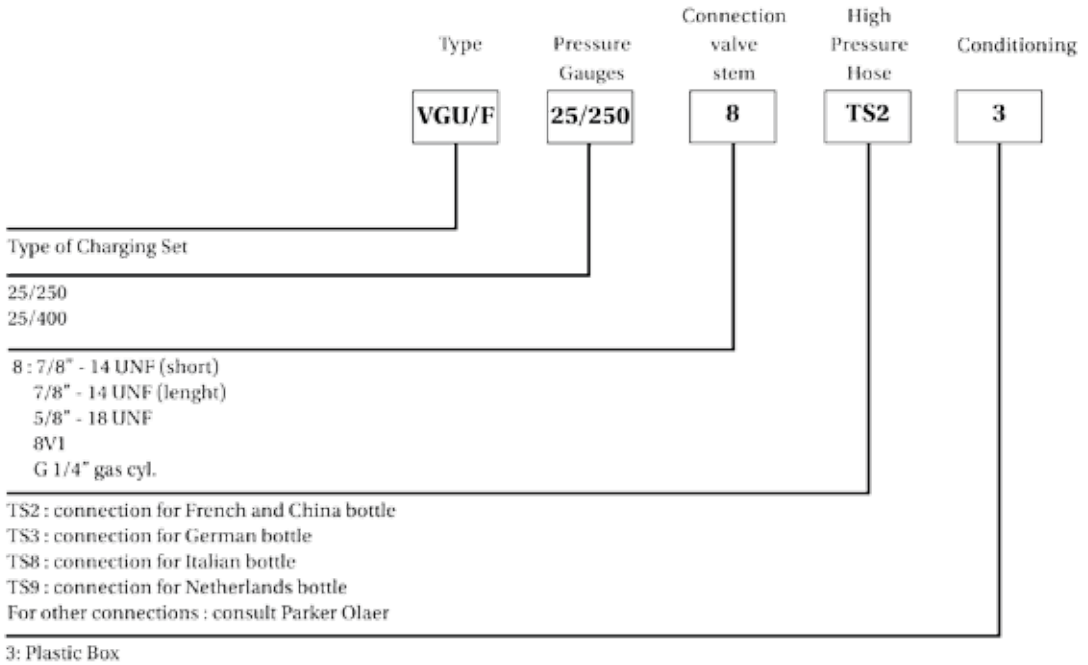
Type
Part number
Adaptor 7/8" - 14 UNF
20212700223
Adaptor 5/8" - 18 UNF
20213000223
Coupling 8 V1
20214000200
Adaptor 7/8" - 14 UNF
20213500223
Adaptor 1/4" cyl
20221100220



5

How to order a VGU Charging Set

HYDRAULICS



Operating pressure:

- Up to 250 bar (3600 psi) in continuous operation.
- Up to 275 bar (3900 psi) in intermittent operation.

Advantages:

- Compact and light.
- Robust and reliable.
- Quiet operation.
- Side and rear port.
- Bi-rotational.
- Easy to install.
- Less sensitive to over-speeding.
- Low noise level.

PGP511 Aluminum Gear Pump



Part Number	Part Number	Disp	Dimension		Inlet Port		Outlet Port		Max RPM.	Working Pressure
			A	C	Port Code	G	Port Code	G		
3349116034	3349116034A	4.0	42.6	86.7	D4	7/8-UNF	D3	3/4-UNF	3500	250
3349116035	3349116035A	6.0	44.1	89.8	D5	1-1/16-UN	D4	7/8-UNF	3500	250
3349116036	3349116036A	8.0	45.7	93.0	D5	1-1/16-UN	D4	7/8-UNF	3500	250
3349116030	3349116030A	10.0	47.3	96.1	D6	1-5/16-UN	D5	1-1/16-UN	3500	250
3349116031	3349116031A	11.0	48.1	97.7	D6	1-5/16-UN	D5	1-1/16-UN	3500	250
3349116032	3349116032A	14.0	50.4	102.4	D6	1-5/16-UN	D5	1-1/16-UN	3500	250
3349116033	3349116033A	16.0	52	105.6	D6	1-5/16-UN	D5	1-1/16-UN	3400	250
3349116037	3349116037A	19.0	54.4	110.3	D7	1-5/8-UN	D6	1-5/16-UN	3250	250
3349116038	3349116038A	23.0	57.5	116.6	D7	1-5/8-UN	D6	1-5/16-UN	2750	210
3349116039	3349116039A	27.0	60.7	122.9	D7	1-5/8-UN	D6	1-5/16-UN	2300	180

Parker Gear Pumps

**SAE 'A' 2 BOLT 5/8 Keyed shaft
PGP 511 XXXX C K1 H2 N DX DX B1 B1**

Displacement See Table
 Rotation C = Clockwise A = Counter Clockwise
 Shaft Code K1 = 5/8 Keyed Shaft
 Mounting Code H2 = SAE - "A" 2 Bolt

Shaft seal N = Single NBR
 Side Ports DX = UNO Port See Table
 Rear Ports B1 B1 = No Rear Port
 Min. RPM. 500 rpm

Description:

- 3-chamber, electrically controlled 4/3- or 4/2-way directional control valve.
- Direct-activated by solenoids with screwed-in wet pin armature.
- Standard versions with 24 DC solenoids and NBR seals.

Operating Pressure:

- 350 bar max.

Flow Rate:

- Up to 80 l/min.

Advantages:

- High flow capacity.
- Global design.
- Minimum downtime.
- Very short delivery times.

D1VW series - Spool valve - Electrically operated

3 position spools		
Code	Spool type	
	a	b
001		
002		
004		
008 ¹⁾		
009 ¹⁾		

2 position spools	
Code	Spool type
	a
020	



Part Number	Description	Position			Direction	Voltage
		A	O	B		
IDV06-13166	D1VW001CNKW	P-B, A-T	All Closed	P-A, B-T	4/3 way	12 vdc
IDV06-13144	D1VW001CNJW	P-B, A-T	All Closed	P-A, B-T	4/3 way	24 vdc
IDV06-13152	D1VW001CNYW	P-B, A-T	All Closed	P-A, B-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV06-13154	D1VW001CNTW	P-B, A-T	All Closed	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV06-13182	D1VW002CNKW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	12 vdc
IDV06-13162	D1VW002CNJW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	24 vdc
IDV06-13252	D1VW002CNJW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV06-13187	D1VW002CNTW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV06-13163	D1VW004CNKW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	12 vdc
IDV06-13143	D1VW004CNJW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	24 vdc
IDV06-13253	D1VW004CNYW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV06-13157	D1VW004CNTW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV06-13195	D1VW008CNKW	P-A, B-T	P-T	P-B, A-T	4/3 way	12 vdc
IDV06-13142	D1VW008CNJW	P-A, B-T	P-T	P-B, A-T	4/3 way	24 vdc
IDV06-13270	D1VW008CNYW	P-A, B-T	P-T	P-B, A-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV06-13142	D1VW008CNTW	P-A, B-T	P-T	P-B, A-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV06-13161	D1VW020BNKW	P-B, A-T	-	P-A, B-T	4/2 way	12 vdc
IDV06-13151	D1VW020BNJW	P-B, A-T	-	P-A, B-T	4/2 way	24 vdc
IDV06-13256	D1VW020BNYW	P-B, A-T	-	P-A, B-T	4/2 way	110V 50 Hz / 120V 60 Hz
IDV06-13149	D1VW020BNTW	P-B, A-T	-	P-A, B-T	4/2 way	230V 50 Hz / 240V 60 Hz
IDV06-13194	D1VW020DNKW	P-B, A-T	-	P-A, B-T	4/2 way, detent	12 vdc
IDV06-13150	D1VW020DNJW	P-B, A-T	-	P-A, B-T	4/2 way, detent	24 vdc
IDV06-13271	D1VW020DNYW	P-B, A-T	-	P-A, B-T	4/2 way, detent	110V 50 Hz / 120V 60 Hz
IDV06-13184	D1VW020DNTW	P-B, A-T	-	P-A, B-T	4/2 way, detent	230V 50 Hz / 240V 60 Hz
IDV06-13146	D1VW001KNJW	-	All Closed	P-A, B-T	4/2 way	24 vdc
IDV06-13170	D1VW002ENJW	P-B, A-T	P-A-B-T	-	4/2 way	24 vdc
IDV06-13193	D1VW009KNJW	-	P-T	P-B, A-T	4/2 way	24 vdc
IDV06-13205	D1VW009ENKW	P-A, B-T	P-T	-	4/2 way	12 vdc
IDV06-13213	D1VW004KNJW	-	A-B-T	P-A, B-T	4/2 way	24 vdc
IDV06-13156	D1VW004ENJW	P-B, A-T	A-B-T	-	4/2 way	24 vdc

Description:

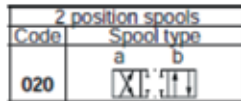
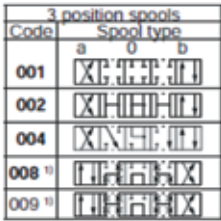
- 3-chamber, electrically controlled 4/3- or 4/2-way CETOP 5 (NG10) directional control valve.
- Direct-activated by solenoids with screwed-in wet pin armature.
- Standard versions with 24 DC solenoids and NBR seals.

Operating Pressure: • 350 bar max.
Flow Rate: • Up to 150(DC) / 115(AC) l/min.

Advantages:

- High flow capacity.
- Global design.
- Minimum downtime.
- Very short delivery times.

D3W series - Spool valve - Electrically operated



Part Number	Description	Position			Direction	Voltage
		A	O	B		
IDV10-13179	D3W001CNJW	P-B, A-T	All Closed	P-A, B-T	4/3 way	24 vdc
IDV10-13194	D3W001CNYW	P-B, A-T	All Closed	P-A, B-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV10-13180	D3W001CNTW	P-B, A-T	All Closed	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV10-13204	D3W002CNJW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	24 vdc
IDV10-13199	D3W002CNTW	P-B, A-T	P-A-B-T	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV10-13202	D3W004CNJW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	24 vdc
IDV10-13198	D3W004CNTW	P-B, A-T	A-B-T	P-A, B-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV10-13141	D3W008CNJW	P-A, B-T	P-T	P-B, A-T	4/3 way	24 vdc
IDV10-13206	D3W008CNYW	P-A, B-T	P-T	P-B, A-T	4/3 way	110V 50 Hz / 120V 60 Hz
IDV10-13200	D3W008CNTW	P-A, B-T	P-T	P-B, A-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV10-13219	D3W009CNTW	P-A, B-T	P-T	P-B, A-T	4/3 way	230V 50 Hz / 240V 60 Hz
IDV10-13205	D3W020BNJW	P-B, A-T	-	P-A, B-T	4/2 way	24 vdc
IDV10-13207	D3W020BNYW	P-B, A-T	-	P-A, B-T	4/2 way	110V 50 Hz / 120V 60 Hz
IDV10-13145	D3W020BNTW	P-B, A-T	-	P-A, B-T	4/2 way	230V 50 Hz / 240V 60 Hz
IDV10-13197	D3W030BNJW	P-B, A-T	-	P-A, B-T	4/2 way	24 vdc
IDV10-13209	D3W030BNYW	P-B, A-T	-	P-A, B-T	4/2 way	110V 50 Hz / 120V 60 Hz
IDV10-13208	D3W030BNTW	P-B, A-T	-	P-A, B-T	4/2 way	230V 50 Hz / 240V 60 Hz
IDV10-13201	D3W001FNJW	-	All Closed	P-A, B-T	4/2 way	24 vdc
IDV10-13154	D3W002ENJW	P-B, A-T	P-A-B-T	-	4/2 way	24 vdc
IDV10-13233	D3W004ENJW	P-B, A-T	A-B-T	-	4/2 way	24 vdc
IDV10-13156	D3W004ENTW	P-B, A-T	A-B-T	-	4/2 way	230V 50 Hz / 240V 60 Hz
IDV10-13217	D3W008ENJW	-	P-T	P-B, A-T	4/2 way	24 vdc
IDV10-13218	D3W008ENTW	-	P-T	P-B, A-T	4/2 way	230V 50 Hz / 240V 60 Hz

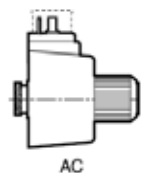
Solenoid kits - D1VW

Solenoid kit (displayed: EN plug)

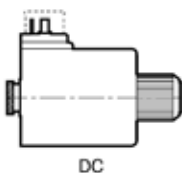
A solenoid kit contains tube, coil, retainer and seals for the solenoid.

Coil kit

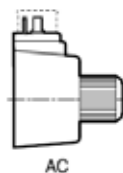
A coil kit contains coil, retainer and seals for the coil.



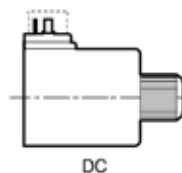
AC



DC



AC



DC

For D1VW standard

Solenoid kits: AK-D1VW-S-... [Soft shift on request]			[Example: AK-D1VW-S-JW-91]
Voltage Volt/Hertz	Voltage Code	EN plug D1VW	EN plug without manual override (Code „T“)
12V=	K	KW-91	KW-91
24V=	J	JW-91	JW-91
98V=	U	UW-91	UW-91
205V=	G	GW-91	GW-91
110V/50Hz / 120V/60Hz	Y	YW-91	-
230V/50Hz / 240V/60Hz	T	TW-91	-

Coil kits: AK-D1VW-C-... [Example: AK-D1VW-C-JW-91]		
Voltage Volt/Hertz	Voltage Code	EN plug D1VW
12V=	K	KW-91
24V=	J	JW-91
98V=	U	UW-91
205V=	G	GW-91
110V/50Hz / 120V/60Hz	Y	YW-91
230V/50Hz / 240V/60Hz	T	TW-91

Solenoid kits - D3W

Solenoid kits: AK-D3WS... [Soft shift on request] [Example: AK-D3WSJW30]					Coil kits : AK-D3WC...	
Voltage Volt/Hertz	Voltage Code	EN plug D3W	EN plug without manual override (Code „T“)	EN plug with 210bar tank pressure (Code „H“)	EN plug D3W	EN plug without manual override (Code „T“)
12V=	K	KW30	KWT30	KW30	KW30	KWT30
24V=	J	JW30	JWT30	JW30	JW30	JWT30
98V=	U	UW30	UWT30	UW30	UW30	UWT30
205V=	G	GW30	GWT30	GW30	GW30	GWT30
110V/50Hz 120V/60Hz	Y	YW30	-	YWH30	YW30	-
230V/50Hz 240V/60Hz	T	TW30	-	TWH30	TW30	-

HYDRAULICS

Description:

- Sandwich valves in combination with directional control valves series D1VW.

Operating Pressure:

- 250 bar max.

Advantages:

- Easy to apply.
- Can be used in both directions.
- Minimum downtime.
- Very short delivery times.

MCVD - Check valve - Direct operated



Part Number	Port (Check Valve)	Size
MCVD-3-A-N-22	A	NG06 / Cetop3
MCVD-3-B-N-22	B	NG06 / Cetop3
MCVD-3-P-N-22	P	NG06 / Cetop3
MCVD-3-T-N-22	T	NG06 / Cetop3
MCVD-5-P-N-22	P	NG10 / Cetop5

MCVP - Check valve - Hydraulically operated



Part Number	Port (Check Valve)	Size
MCVP-3-A-N-22	A	NG06 / Cetop3
MCVP-3-B-N-22	B	NG06 / Cetop3
MCVP-3-D-N-22	A & B	NG06 / Cetop3
MCVP-5-A-N-22	A	NG10 / Cetop5
MCVP-5-B-N-22	B	NG10 / Cetop5
MCVP-5-D-N-22	A & B	NG10 / Cetop5

MFCV - Throttle check valve



Part Number	Port (Check Valve)	Size
MFCV-3-A-S-N-11	A	NG06 / Cetop3
MFCV-3-B-S-N-11	B	NG06 / Cetop3
MFCV-3-D-S-N-10	A & B	NG06 / Cetop3
MFCV-3-D-S-N-10-P	A & B	NG06 / Cetop3
MFCV-3-D-S-N-12	A & B	NG06 / Cetop3
MFCV-3-P-S-N-10	P	NG06 / Cetop3
MFCV-5-A-S-N-11	A	NG10 / Cetop5
MFCV-5-B-S-N-11	B	NG10 / Cetop5
MFCV-5-D-S-N-10	A & B	NG10 / Cetop5
MFCV-5-D-S-N-10-P	A & B	NG10 / Cetop5
MFCV-5-D-S-N-11	A & B	NG10 / Cetop5

MPRV - Pressure Reducing Valve



Part Number	Port (Reduced Pressure)	Size	Adjustment
MPRV-3-PA-05-K-N-10	A (2.5~50 bar)	NG06 / Cetop3	Knob
MPRV-3-PA-07-K-N-11	A (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PA-07-K-N-11-L	A (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PA-07-S-N-10	A (3.5~70 bar)	NG06 / Cetop3	Screw
MPRV-3-PA-14-K-N-10	A (10~140 bar)	NG06 / Cetop3	Knob
MPRV-3-PB-05-K-N-10	B (2.5~50 bar)	NG06 / Cetop3	Knob
MPRV-3-PB-07-K-N-11	B (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PB-07-K-N-11-L	B (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PB-14-K-N-10	A (10~140 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-03-K-N-10	P (2.5~30 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-05-K-N-10	P (2.5~50 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-07-K-N-11	P (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-07-K-N-11-L	P (3.5~70 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-07-S-N-10	P (3.5~70 bar)	NG06 / Cetop3	Screw
MPRV-3-PP-14-K-N-10	P (10~140 bar)	NG06 / Cetop3	Knob
MPRV-3-PP-14-K-N-11-L	P (10~140 bar)	NG06 / Cetop3	Knob
MPRV-5-PA-14-K-N-20	A (10~140 bar)	NG10 / Cetop5	Knob
MPRV-5-PB-07-K-N-20	B (3.5~70 bar)	NG10 / Cetop5	Knob
MPRV-5-PB-14-K-N-20	B (10~140 bar)	NG10 / Cetop5	Knob
MPRV-5-PP-07-K-N-20	P (3.5~70 bar)	NG10 / Cetop5	Knob
MPRV-5-PP-14-K-N-20	P (10~140 bar)	NG10 / Cetop5	Knob
MPRV-5-PP-14-S-N-20	P (10~140 bar)	NG10 / Cetop5	Screw

MRV - Pressure Relief Valve



Part Number	Port (Reduced Pressure)	Size	Adjustment
MRV-3-AT-07-S-N-20	A (6.9~70 bar)	NG06 / Cetop3	Screw
MRV-3-AT-14-S-N-10	A (34.5~140 bar)	NG06 / Cetop3	Screw
MRV-3-AT-25-S-N-10	A (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-AT-25-S-N-20	A (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-BT-07-S-N-10	B (6.9~70 bar)	NG06 / Cetop3	Screw
MRV-3-BT-14-S-N-10	B (34.5~140 bar)	NG06 / Cetop3	Screw
MRV-3-BT-25-S-N-10	B (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-BT-25-S-N-20	B (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-DT-25-S-N-20	A & B (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-PT-07-K-N-10	P (6.9~70 bar)	NG06 / Cetop3	Knob
MRV-3-PT-07-S-N-20	P (6.9~70 bar)	NG06 / Cetop3	Screw
MRV-3-PT-14-S-N-10	P (34.5~140 bar)	NG06 / Cetop3	Screw
MRV-3-PT-25-K-N-10	P (34.5~250 bar)	NG06 / Cetop3	Knob
MRV-3-PT-25-S-N-10	P (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-3-PT-25-S-N-20	P (34.5~250 bar)	NG06 / Cetop3	Screw
MRV-5-AT-25-S-N-20	A (34.5~250 bar)	NG10 / Cetop5	Screw
MRV-5-BT-07-S-N-20	B (6.9~70 bar)	NG10 / Cetop5	Screw
MRV-5-BT-25-S-N-20	B (34.5~250 bar)	NG10 / Cetop5	Screw
MRV-5-PT-25-S-N-21	P (34.5~250 bar)	NG10 / Cetop5	Screw

- Description:**
- Inline mounted check, needle, and flow control valves.
 - Flow control available in pressure compensated models.
- Operating Pressure:**
- See valve type and size.
- Flow Rate:**
- Up to 570 l/min.

- Advantages:**
- Widely approved, reliable design.
 - Minimum downtime.
 - Very short delivery times.

C series - Inline mounted check valve



Part Number Thread BSPP	Part Number Thread NPT	Max. Operating Pressure		Thread Size
		bar	psi	Inch
9C400S	C400S	350	5075	1/4
9C600S	C600S	350	5075	3/8
9C800S	C800S	350	5075	1/2
9C1200S	C1200S	350	5075	3/4
9C1600S	C1600S	210	3045	1

F series - Inline mounted throttle check valve



Part Number Thread BSPP	Part Number Thread NPT	Max. Operating Pressure		Thread Size
		bar	psi	Inch
9F400S	F400S	350	5075	1/4
9F600S	F600S	350	5075	3/8
9F800S	F800S	350	5075	1/2
9F1200S	F1200S	350	5075	3/4
9F1600S	F1600S	210	3045	1

N series - Inline mounted needle valve



Part Number Thread BSPP	Part Number Thread NPT	Max. Operating Pressure		Thread Size
		bar	psi	Inch
9N400S	N400S	350	5075	1/4
9N600S	N600S	350	5075	3/8
9N800S	N800S	350	5075	1/2
9N1200S	N1200S	350	5075	3/4
9N1600S	N1600S	210	3045	1

PCM series - Inline mounted compensated flow control valve



Part Number Thread BSPP	Part Number Thread NPT	Max. Operating Pressure		Thread Size
		bar	psi	Inch
9PCCM400S	PCCM400S	210	3045	1/4
9PCCM600S	PCCM600S	210	3045	3/8
9PCCM800S	PCCM800S	210	3045	1/2
9PCM400S	PCM400S	210	3045	3/4
9PCM600S	PCM600S	210	3045	1
9PCM800S	PCM800S	210	3045	1/2

5 MV series - Inline mounted needle valve



Part Number Thread BSPP	Part Number Thread NPT	Max. Operating Pressure		Thread Size
		bar	psi	Inch
9MV400S	MV400S	350	5075	1/4
9MV600S	MV00S	350	5075	3/8
9MV800S	MV00S	350	5075	1/2

Accessories - Mounting kit for series MV



Part Number	Thread Size Inch
MVK4	1/4
MVK6	3/8
MVK8	1/2
MVK12	3/4
MVK16	1

2-Way BSPP ball valve steel - Female BSPP (6000 PSI)



Part Number	Thread BSPP
BVHP04BSS1N	1/4
BVHP06BSS1N	3/8
BVHP08BSS1N	1/2
BVHP12BSS1N	3/4
BVHP16BSS1N	1
BVAH20BSS1N	1 1/4
BVAH24BSS1N	1 1/2
BVAH32BSS1N	2

2-Way BSPP ball valve stainless steel - Female BSPP (6000 PSI)



Part Number	Thread BSPP
BVHP04BKK1N	1/4
BVHP06BKK1N	3/8
BVHP08BKK1N	1/2
BVHP12BKK1N	3/4
BVHP16BKK1N	1
BVHS20BKK1N	1 1/4
BVHS24BKK1N	1 1/2
BVHS32BKK1N	2

2-Way NPT ball valve steel - Female NPT (SAE 476) (6000 PSI)



Part number	Thread BSPP
BVHP04NSS1N	1/4
BVHP06NSS1N	3/8
BVHP08NSS1N	1/2
BVHP12NSS1N	3/4
BVHP16NSS1N	1
BVAH20NSS1N	1 1/4
BVAH24NSS1N	1 1/2
BVAH32NSS1N	2

2-Way NPT ball valve stainless steel - Female NPT (SAE 476) (6000 PSI)



Part number	Thread BSPP
BVHP04NKK1N	1/4
BVHP06NKK1N	3/8
BVHP08NKK1N	1/2
BVHP12NKK1N	3/4
BVHP16NKK1N	1
BVHS20NKK1N	1 1/4
BVHS24NKK1N	1 1/2
BVHS32NKK1N	2

3-Way compact BSPP ball valve steel - Female BSPP (6000 PSI)



Part Number	Thread BSPP
BV3H04BSS1N	1/4
BV3H06BSS1N	3/8
BV3H08BSS1N	1/2
BV3H12BSS1N	3/4
BV3H16BSS1N	1

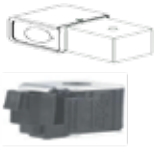
3-Way compact NPT ball valve steel - Female NPT (SAE 476) (6000 PSI)



Part Number	Thread BSPP
BV3H04NSS1N	1/4
BV3H06NSS1N	3/8
BV3H08NSS1N	1/2
BV3H12NSS1N	3/4
BV3H16NSS1N	1

Coils - PTC

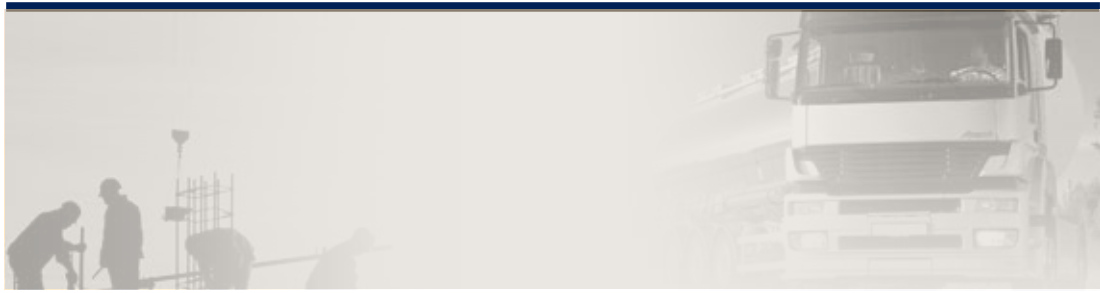
5



Part Number Coil	Part number Connector	Type	Volatge	Watts	AMP	Ohms @ +/- 10% at 68 F
CCS012D	DIN 43650 PLUG	1/2" ID Super Coil	12 VDC	14	1.15	10.43
CCS024D	DIN 43650 PLUG	1/2" ID Super Coil	24 VDC	14	0.58	41.47
CCS115D	DIN 43650 PLUG	1/2" ID Super Coil	115 VAC	14	0.17	680
CCS230D	DIN 43650 PLUG	1/2" ID Super Coil	230 VAC	14	0.09	2596
CAS012D	DIN 43650 PLUG	5/8" ID Super Coil	12 VDC	18	1.5	8.00
CAS024D	DIN 43650 PLUG	5/8" ID Super Coil	24 VDC	18	0.75	32
CAS115D	DIN 43650 PLUG	5/8" ID Super Coil	115 VAC	18	0.20	554
CAS230D	DIN 43650 PLUG	5/8" ID Super Coil	230 VAC	18	0.1	2100



Refrigeration



Refrigeration & A/C

- | Filter Drier 194
- | Valves 195-196

Zoomlock

- | Tool Kit 198-199
- | Braze Free Fittings 200-202
- | Accessories 204-205

For more product offerings, please refer to:



Smart tools



Industrial Refrigeration Control Valves



Condense catalog of Sporlan products



ZoomLock Braze free fittings



HERL Refrigerating specialties

Catch -ALL Filter Drier



REFRIGERATION

Part Number	Description	Volume of Desiccant In ³
400000	C-032 1/4" SAE Flare	3
400052	C-032-S 1/4" ODF Solder	
400088	C-033 3/8" SAE Flare	
400001	C-033-S 3/8" ODF Solder	5
400200	C-052 1/4" SAE Flare	
400249	C-052-S 1/4" ODF Solder	
400288	C-053 3/8" SAE Flare	9
400329	C-053-S 3/8" ODF Solder	
400416	C-082 1/4" SAE Flare	
400429	C-082-S 1/4" ODF Solder	16
400472	C-083 3/8" SAE Flare	
400503	C-083-S 3/8" ODF Solder	
400536	C-084 1/2" SAE Flare	3
400437	C-084-S 1/2" ODF Solder	
401000	C-162 1/4" SAE Flare	
401018	C-162-S 1/4" ODF Solder	5
401048	C-163 3/8" SAE Flare	
401021	C-163-S 3/8" ODF Solder	
401128	C-164 1/2" SAE Flare	9
401023	C-164-S 1/2" ODF Solder	
401216	C-165 5/8" SAE Flare	
401035	C-165-S 5/8" ODF Solder	16
401031	C-167-S 7/8" ODF Solder	
400016	C-032-F 1/4" SAE Flare w/ Male Inlet & Female Outlet	
400052	C-032-S-T 1/4" ODF Solder w/ Pressure tap (at inlet end)	3
400019	C-033-S-T 3/8" ODF Solder w/ Pressure tap (at inlet end)	
400254	C-052-S-T 1/4" ODF Solder w/ Pressure tap (at inlet end)	
400212	C-053-S-T 3/8" ODF Solder w/ Pressure tap (at inlet end)	5
400438	C-084-S-T 1/2" ODF Solder w/ Pressure tap (at inlet end)	
401045	C-163-S-T 3/8" ODF Solder w/ Pressure tap (at inlet end)	
401027	C-165-S-T 5/8" ODF Solder w/ Pressure tap (at inlet end)	16

Core / Element

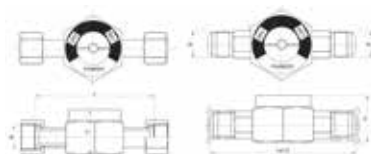


Part Number	Description	Core / Element [Used on Type]	Core Dim [O.D. x Length Inches]
404404	RCW-42 (GOLD LABEL)	Replaceable Cores [C-R424 thru C-R427]	3.18 x 6.00
404401	RCW-48 (GOLD LABEL)		3.74 x 5.50
404360	RC-4864	Replaceable Cores [C-485 to C-19217]	-
404380	RC-4864-HH		
404403	RCW-100 (GOLD LABEL)		4.80 x 6.47
404400	RC-10098	Replaceable Cores [C-30013 to C40033]	-
404420	RC-10098-HH		-
404555	RPE-48-BD	Filter Elements [C-485 to C-19217]	3.70 x 5.50
404550	RPE-100	Filter Elements [C-30013 to C40033]	4.80 x 6.47

Moisture & Liquid Indicator



Material of Body:	• 20#/12L15
Paint Color:	• Gray
Design Pressure:	• 650 psi
Burst Pressure:	• 2500 psi
Salt Spray:	• 500 hours
Temperature:	• 110°C max
Refrigerants:	• R22, R134a, R407C, R401A, R507, R410



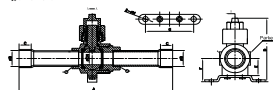
Part Number	Description	Dimension			MOQ
		L	W	B	
PSG-003	3/8" male flare	87	25	5/8"-18 UNF	25
PSG-004	1/2" male flare	91	30	3/4"-16 UNF	25
PSG-005	5/8" male flare	94	32	7/8"-14 UNF	25
PSG-003F	3/8" double swivel nut	84	25	5/8"-18 UNF	25
PSG-004F	1/2" double swivel nut	84	25	3/4"-16 UNF	25
PSG-005F	5/8" double swivel nut	90	30	7/8"-14 UNF	25

Working Matl	R22	R502	R134a	R401A	R401B	R404A	R407C	R410A	R507
Liquid Temp	24°C	24°C	24°C	24°C	24°C	24°C	24°C	24°C	24°C
Green	<30	<10	<35	<120	<50	<40	<60	<69	<33
Yel/Grn	30-110	10-50	35-120	120-420	50-175	40-140	60-230	69-240	33-115
Yellow	>110	>50	>120	>420	>175	>140	>230	>240	>115

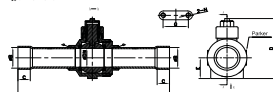
Ball Valve Type



Type I Ball Valve



Type II Ball Valve



Material of Body:	• Brass
Material of Fitting:	• Copper
Direction:	• Two Way
Max Design Pressure:	• 650 psi (Air Pressure)
Burst Pressure:	• 2500 psi
Temp. Range:	• -50°C ~140°C
Refrigerant:	• ALL HFC, HCFC, R410A
Benefit:	<ul style="list-style-type: none"> • Compact • Reliable • Vented cap • Long life • Complete range from 3/8" to 1 5/8"
Applications:	<ul style="list-style-type: none"> • Supermarkets • Refrigeration

Part Number	Description	Dimension											Kv value m³/h	Weight g
		Type	DN	A	B+/-0.1	C	D	E	F	G	H	Bracket Attached		
PBV-003	3/8 Solder	I	8	126	9.7	10	55	13	19	38.5	4.5	Y	1.89	185
PBV-004	1/2 Solder	I	10.5	128	12.9	10	58	14.5	20	38.5	4.5	Y	2.11	470
PBV-005	5/8 Solder	I	13	150	16.2	12	67	18	24	47.5	5.5	Y	2.43	475
PBV-006	3/4 Solder	I	17	162	19.2	15	74	21	28	52	5.5	Y	6.36	485
PBV-007	7/8 Solder	I	19	187	22.4	20	83	25	31	59.5	6.5	Y	6.41	675
PBV-009	1-1/8 Solder	I	25	209	28.8	20	95	28.5	55	69.5	6.5	Y	5.39	1150
PBV-011	1-3/8 Solder	II	32	245	35.2	20	100	35	-	-	M8	N	TBA	1580
PBV-013	1-5/8 Solder	II	40	278	41.6	25	124	46	-	-	M10	N	TBA	3150

Note: Kv value test condition

1. Pressure drop: 0.1 Mpa [0.05 Mpa for PBV-009]

2. Medium: Water

- Body:** • Machined Forged Brass
- Seat:** • Stainless Steel
- Pin:** • Stainless Steel
- Pushrod:** • Stainless Steel
- Connections:** • SAE Flare, ODF Copper Fittings Silver Soldered to Body
- Inlet Strainer:** • Filter Assembly with Cartridge
- Operating Temp. Range:** • -40°C to 15°C
- MRP:** • 34.0 bar (500 psig)
- Maximum Temperature:** • 121°C , short-lived peak 149°C
- Max Ambient Temperature:** • 60°C
- Max Bulb Temperature:** • 100°C
- Max External Leakage:** • .10 oz/yr @ 300 psig (2.8 g/yr @ 20 barg)
- Compatibility:** • All HFC, HCFC, Refrigerants and blends
- Certification:** • The Type C8 Thermostatic Expansion Valves comply with the Directive(s) 97-23-EC

- Features:**
- Selective thermostatic charges provide optimum performance for all common applications air conditioning, medium and low temp. refrigeration
 - Stainless steel thermostatic element
 - Externally adjustable
 - The copper bulb design provides an excellent heat transfer
 - Thermostatic charges with or without MOP (Maximum Operating Pressure)
 - 8 Replaceable orifice assemblies
 - Evaporating temperature range from -40°C to +15°C
 - Solder ODF (with inlet connector) or Flare SAE fittings

Thermal Expansion Valves - Type C8



Part Number	MOP Deg	Compatible with	MOP Deg	Compatible with	MOP Deg	Valve Configuration		Refrigerant Type	Description
						Ext/Int	"Inlet x Outlet 3/8" x 1/2"		
506032	NA	068-2002	NA	T1-00X	NA	NA	C8 orifice & filter - 0X	Orifice	C-0X Cartridge
506033	NA	068-2003	NA	T1-000	NA	NA	C8 orifice & filter – 00		C-00 Cartridge
506034	NA	068-2010	NA	T1-001	NA	NA	C8 orifice & filter – 01		C-01 Cartridge
506035	NA	068-2015	NA	T1-002	NA	NA	C8 orifice & filter – 02		C-02 Cartridge
506036	NA	068-2006	NA	T1-003	NA	NA	C8 orifice & filter – 03		C-03 Cartridge
506037	NA	068-2007	NA	T1-004	NA	NA	C8 orifice & filter – 04		C-04 Cartridge
506038	NA	068-2008	NA	T1-005	NA	NA	C8 orifice & filter – 05		C-05 Cartridge
506039	NA	068-2009	NA	T1-006	NA	NA	C8 orifice & filter – 06		C-06 Cartridge
30136-248	+17°C	068Z3211	+15°C	NA	NA	Ext	flare x flare	R22	C8EF-VX100
30136-251	+17°C	068Z3208	+15°C	NA	NA	Int	flare x flare		C8F-VX100
30136-245	NA	068Z3206	NA	TI-HW	NA	Int	flare x flare		C8F-VW
30136-242	NA	068Z3209	NA	TIE-HW	NA	Ext	flare x flare	C8EF-VW	
30136-218	NA	068Z3415	NA	TIS-SW	NA	Ext	flare x solder		C8ES-SW
30136-219	+12°C	068Z3417	+15°C	NA	NA	Ext	flare x solder	404A	C8ES-SX110
30136-220	-17°C	068Z3430 068Z3421	-10°C -20°C	NA	NA	Ext	flare x solder		C8ES-SX35
30136-239	NA	068Z3414	NA	TIS-SW	NA	Int	flare x solder	C8S-SW	
30136-202	NA	068Z3501	NA	NA	NA	Ext	flare x flare	407C	C8EF-NW
30136-203	+17°C	068Z3517	+15°C	NA	NA	Ext	flare x flare		C8EF-NX100
30136-223	NA	068Z3496	NA	NA	NA	Int	flare x flare	C8F-NW	
30136-224	+17°C	068Z3516	+15°C	NA	NA	Int	flare x flare	C8F-NX100	
30136-200	NA	068Z3348	NA	TIE-MW	NA	Ext	flare x flare	134a	C8EF-JW
30136-201	+17°C	068Z3349	+15°C	NA	NA	Ext	flare x flare		C8EF-JX60
30136-221	NA	068Z3346	NA	TI-MW	NA	Int	flare x flare		C8F-JW
30136-222	+17°C	068Z3347	+15°C	NA	NA	Int	flare x flare		C8F-JX60

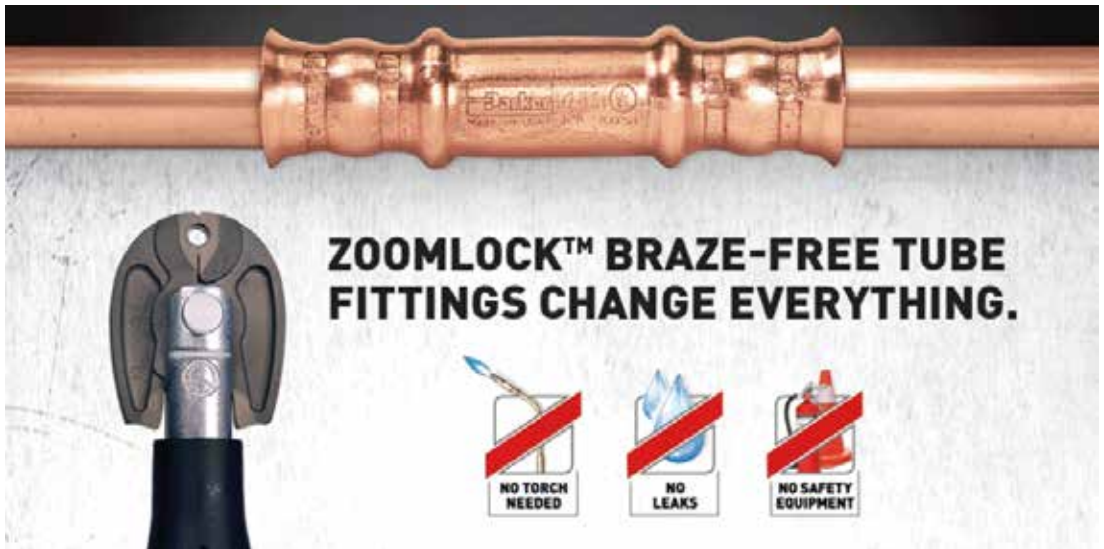
Description:

- ZoomLock™ fittings are specially designed to work without brazing, which automatically makes your job simpler and faster when joining copper tubes. In addition, the one-piece fittings are reliably secure, leak-proof and more repeatable than brazed connections — so there's no compromise on quality or performance.

- Professionals who have tried ZoomLock braze-free couplings report that their time and labor costs on tube connections are typically reduced 40 – 60% on average by eliminating the need for brazing. The biggest benefit of that improved efficiency is more productivity and increased profit potential, but there are also many other exciting advantages to brazefree tube connecting.

Features:

- Less equipment and no gas needed
- Safer conditions, no fire hazards
- No hot work permits required
- More environment-friendly
- No solder-related quality issues
- More flexible access to job sites
- No need to nitrogen-purge



Zoomlock™ - Crimping Tool

Description:

- Short pressing cycle, 5-7 seconds
- Compact design and 350° jaw rotation allows technician to install in tight spaces
- Lightweight design increases productivity
- Tool service indicated via imbedded LEDs, illuminates at 10,000 cycles
- Automatic piston return
- Safety feature that allows crimp cycle to be interrupted
 - Feature allows manual release of piston, if needed
- High-quality, powerful Makita Li-Ion technology for lasting, battery-powered pressing
 - 100-150 Crimps per Charge
 - Extremely short charging time of just 15 minutes (1.5 Ah)
 - Makita i-Press batteries and chargers available worldwide



Crimping Force	Linear thrust of approx. 15 kN
Number of Crimps	1.5 Ah approx. 150 (for NS20)
Battery Capacity	High-power Makita 1.5 Ah, Li-Ion battery
Charging Time	1.5 Ah 15 min.
Weight including Battery	Without jaw 1.7 kg, Including jaw 2.3 kg
Dimensions	377 x 75 x 116 mm
Revolving/Rotatable	Approx. 350° rotating pressing jaw holder
Tool Warranty	24 months from date of purchase

Part Number	Description
770000	PZK-TK0
770001	PZK-TK3
770002	PZK-TK5

Zoomlock™ - Jaws



Part Number	Size	Description
770200	1/4"	PZK-J4 (1/4" KLAUKE COMP. JAW)
770201	5/16"	PZK-J5(5/16" KLAUKE COMP. JAW)
770202	3/8"	PZK-J6 (3/8" KLAUKE COMP. JAW)
770203	1/2"	PZK-J8 (1/2" KLAUKE COMP. JAW)
770204	5/8"	PZK-J10 (5/8"KLAUKE COMP. JAW)
770205	3/4"	PZK-J12 (3/4"KLAUKE COMP. JAW)
770206	7/8"	PZK-J14 (7/8"KLAUKE COMP. JAW)
770207	1 1/8"	PZK-J18(1 1/8"KLAUKE COMP JAW)
770208	N/A	8-PIECE JAW KIT(J4-J18 KLAUKE)
770209	N/A	8-Piece Jaw Case Only

Continuous Operation Temperature(COT):	• 121°C
O-Ring Temperature Rating:	• -40°C to +148.9°C
Maximum Rated Pressure (MRP):	• 700 psi / 48 bar
Maximum Burst Pressure:	• 3000 psi / 207 bar+
Vacuum Pressure Capability:	• 20 Microns
External Leak Rate:	• <0.1 Ounces of Helium per Year at Operating Pressure Range
Vibration Resistance:	• Conforms to UL109
Approved Oils:	• Mineral Oil, POE, PVE, PAG
Approved Tubing Materials:	• Copper to Copper Connections • Hard Copper (Drawn) • Soft Copper (Annealed)
Approved Refrigerants:	• 1234yf, 1234ze, 125, 32, 134a, 143A, 404A, 407A, 407C, 407F, 410A, 417A, 422D, 438A, 447A, 448A, 449A, 450A, 452A, 507, 513A
Agency Approval & Certification:	• UL 207, SA#33958, SDTW(7) • ICC-ES, PMG-1296 - 2015 IMC (International Mechanical Code) - 2015 IRC (International Residential Code) - 2012 UMC (Uniform Mechanical Code) • CRN (Canadian Registration Number)
Fitting Warranty	• 12 months

Applications:	• High Pressure HVAC/R • Glycol • Non-Potable Water
----------------------	---

Zoomlock™ - Couplings



Part Number	Size	Description
770500	1/4"	PZK-C4-HNBR (1/4" Coupling)
770501	5/16"	PZK-C5-HNBR (5/16" Coupling)
770502	3/8"	PZK-C6-HNBR (3/8" Coupling)
770503	1/2"	PZK-C8-HNBR (1/2" Coupling)
770504	5/8"	PZK-C10-HNBR (5/8" Coupling)
770505	3/4"	PZK-C12-HNBR (3/4" Coupling)
770506	7/8"	PZK-C14-HNBR (7/8" Coupling)
770507	1 1/8"	PZK-C18-HNBR (1 1/8" Coupling)
770508	1 3/8"	PZK-C22-HNBR (1 3/8" Coupling)

Zoomlock™ - Repair Couplings



Part Number	Size	Description
770550	1/4"	PZK-RC4-HNBR (1/4" Repair Coupling)
770552	3/8"	PZK-RC6-HNBR (3/8" Repair Coupling)
770553	1/2"	PZK-RC8-HNBR (1/2" Repair Coupling)
770554	5/8"	PZK-RC10-HNBR (5/8" Repair Coupling)
770555	3/4"	PZK-RC12-HNBR (3/4" Repair Coupling)
770556	7/8"	PZK-RC14-HNBR (7/8" Repair Coupling)
770557	1 1/8"	PZK-RC18-HNBR (1 1/8" Repair Coupling)
770558	1 3/8"	PZK-RC22-HNBR (1 3/8" Repair Coupling)

Zoomlock™ - 90° LR Elbow



Part Number	Size	Description
770600	1/4"	PZK-90E4-HNBR (1/4" 90o Elbow)
770601	5/16"	PZK-90E5-HNBR (5/16" 90o Elbow)
770602	3/8"	PZK-90E6-HNBR (3/8" 90o Elbow)
770603	1/2"	PZK-90E8-HNBR (1/2" 90o Elbow)
770604	5/8"	PZK-90E10-HNBR (5/8" 90o Elbow)
770605	3/4"	PZK-90E12-HNBR (3/4" 90o Elbow)
770606	7/8"	PZK-90E14-HNBR (7/8" 90o Elbow)
770607	1 1/8"	PZK-90E18-HNBR (1 1/8" 90o Elbow)
770608	1 3/8"	PZK-90E22-HNBR (1 3/8" 90o Elbow)

Zoomlock™ - Tees



Part Number	Size	Description
770702	3/8"	PZK-T6-HNBR (3/8" Standard Tee)
770703	1/2"	PZK-T8-HNBR (1/2" Standard Tee)
770704	5/8"	PZK-T10-HNBR (5/8" Standard Tee)
770705	3/4"	PZK-T12-HNBR (3/4" Standard Tee)
770706	7/8"	PZK-T14-HNBR (7/8" Standard Tee)
770707	1 1/8"	PZK-T18-HNBR (1 1/8" Standard Tee)
770708	1 3/8"	PZK-T22-HNBR (1 3/8" Standard Tee)

Zoomlock™ - Reducers



Part Number	Size	Description
770800	3/8" to 1/4"	PZK-R64-HNBR (3/8" to 1/4" Reducer)
770808	1/2" to 1/4"	PZK-R84-HNBR (1/2" to 1/4" Reducer)
770801	1/2" to 3/8"	PZK-R86-HNBR (1/2" to 3/8" Reducer)
770809	5/8" to 1/4"	PZK-R104-HNBR (5/8" to 1/4" Reducer)
770810	5/8" to 3/8"	PZK-R106-HNBR (5/8" to 3/8" Reducer)
770802	5/8" to 1/2"	PZK-R108-HNBR (5/8" to 1/2" Reducer)
770811	3/4" to 1/2"	PZK-R128-HNBR (3/4" to 1/2" Reducer)
770803	3/4" to 5/8"	PZK-R1210-HNBR (3/4" to 5/8" Reducer)
770812	7/8" to 1/2"	PZK-R148-HNBR (7/8" to 1/2" Reducer)
770804	7/8" to 5/8"	PZK-R1410-HNBR (7/8" to 5/8" Reducer)
770805	7/8" to 3/4"	PZK-R1412-HNBR (7/8" to 3/4" Reducer)
770813	1 1/8" to 1/2"	PZK-R188-HNBR (1 1/8" to 1/2" Reducer)
770814	1 1/8" to 5/8"	PZK-R1810-HNBR (1 1/8" to 5/8" Reducer)
770806	1 1/8" to 3/4"	PZK-R1812-HNBR (1 1/8" to 3/4" Reducer)
770807	1 1/8" to 7/8"	PZK-R1814-HNBR (1 1/8" to 7/8" Reducer)

Zoomlock™ - Caps



Part Number	Size	Description
770900	1/4"	PZK-CP4-HNBR (1/4" Cap)
770901	5/16"	PZK-CP5-HNBR (5/16" Cap)
770902	3/8"	PZK-CP6-HNBR (3/8" Cap)
770903	1/2"	PZK-CP8-HNBR (1/2" Cap)
770904	5/8"	PZK-CP10-HNBR (5/8" Cap)
770905	3/4"	PZK-CP12-HNBR (3/4" Cap)
770906	7/8"	PZK-CP14-HNBR (7/8" Cap)
770907	1 1/8"	PZK-CP18-HNBR (1 1/8" Cap)
770908	1 3/8"	PZK-CP22-HNBR (1 3/8" Cap)

Zoomlock™ - SAE Flare



Part Number	Size	Description
771000	1/4"	PZK-F4-HNBR (1/4" SAE Flare)
771002	3/8"	PZK-F6-HNBR (3/8" SAE Flare)
771003	1/2"	PZK-F8-HNBR (1/2" SAE Flare)
771004	5/8"	PZK-F10-HNBR (5/8" SAE Flare)
771005	3/4"	PZK-F12-HNBR (3/4" SAE Flare)
772002	3/8"	PZK-RC6-CR (3/8" Repair Coupling)
772005	3/4"	PZK-RC12-CR (3/4" Repair Coupling)
772006	7/8"	PZK-RC14-CR (7/8" Repair Coupling)

Zoomlock™ - RLS Crimp Gauge



Confirms the measurement of the finished crimp band diameter.

Part Number	Description
770005	PZK-GNG1

Part Number	Description
770014	Standard RLS Dept Gauge
770015	Optional Dept Gauge
770016	Tool Kit Replacement Case

Zoomlock™ - Tube Cutter



ZoomLock approved tubing cutter.

Part Number	Description
770006	Tubing Cutter

Zoomlock™ - Tube Deburring Tool



ZoomLock approved tubing cutter.

Part Number	Description
770007	Tube Deburring Tool

Zoomlock™ - Diagnostic Tool



Adaptor tool for crimping tool diagnostics. Easily connect to PC via USBInterface. Provides statistical evaluation of average crimping process of tool. Free downloading of Software "iPress" via www.klauke.com.

Part Number	Description
770008	PGA1 Diagnostic Tool

Zoomlock™ - Battery Charger - 110 AC for 18V Li-ion battery



Part Number	Description
770003	DC18RC

Zoomlock™ - Rechargeable Battery



High performance, 1.5 Ah, 18V Li-Ion battery with high capacity and extremely short charging time of just 15 minutes.

Part Number	Description
770004	BL1815



Instrumentation



INSTRUMENTATION

Industrial Valves

┆ Ball & Needle Valves.....	208-210
-----------------------------	---------

Manifolds

┆ H Series 3 & 5 Valve.....	211
-----------------------------	-----

Instrumentation Filters

┆ Inline Filters.....	212
-----------------------	-----

Instrumentation Fittings

┆ Well Head Fittings.....	213
---------------------------	-----

Instrumentation Partek	214-215
-------------------------------------	---------

STAINLESS STEEL

Air Preparation

┆ Stainless Steel FRLs.....	216
-----------------------------	-----

Fluid Control

┆ Solenoid Valves.....	217
------------------------	-----

Instrumentation

┆ A-Lok®.....	218-225
┆ Pipe Fitting.....	226-233

For more product offerings, please refer to:



Ball and Plug Valves
Catalog 4121-BV

Process Control Manifolds

CPI™ / A-LOK® Tube Fittings
Catalog 4230/4233

Instrumentation Hand Valves
Catalog 4190-HV

Partek PFA Fittings
Catalog 4181/USA

Description:

- Bodies and trims manufactured from 316 stainless steel.

B Series Ball Valves - A-Lok ended Two Way



Part Number	Description
2A-B2LJ2-SSP	1/8" B Series Ball Valve
4A-B6LJ2-SSP	1/4" B Series Ball Valve
6A-B6LJ2-SSP	3/8" B Series Ball Valve
8A-B8LJ2-SSP	1/2" B Series Ball Valve
12A-B8LJ2-SSP	3/4" B Series Ball Valve
M6A-B6LJ2-SSP	6mm B Series Ball Valve
M10A-B6LJ2-SSP	10mm B Series Ball Valve
M12A-B8LJ2-SSP	12mm B Series Ball Valve
M16A-B8LJ2-SSP	16mm B Series Ball Valve

B Series Ball Valves - A-Lok ended Three Way



Part Number	Description
2A-B2XJ2-SSP	1/8" B Series Ball Valve
4A-B6XJ2-SSP	1/4" B Series Ball Valve
6A-B6XJ2-SSP	3/8" B Series Ball Valve
8A-B8XJ2-SSP	1/2" B Series Ball Valve
12A-B8X-J2-SSP	3/4" B Series Ball Valve
M6A-B6XJ2-SSP	6mm B Series Ball Valve
M10A-B6XJ2-SSP	10mm B Series Ball Valve
M12A-B8XJ2-SSP	12mm B Series Ball Valve
M16A-B8XJ2-SSP	16mm B Series Ball Valve

HB Series Ball Valves Two Way



Part Number	Compatible with	Description
4F-HB4LPKR-SSP	SS-H83PF4	1/4" Female NPT HB Series Ball Valve (10,000 PSI Max)
4A-HB4LPKR-SSP	SS-83KS4	1/4" OD HB Series Ball Valve (10,000 PSI Max)
6A-HB4LPKR-SSP	SS-83KS6	3/8" OD HB Series Ball Valve (6,600 PSI Max)
8A-HB4LPKR-SSP	SS-83KS8	1/2" OD HB Series Ball Valve (6,300 PSI Max)
M6A-HB4LPKR-SSP	SS-83KS6MM	6mm OD HB Series Ball Valve (10,000 PSI Max)
M10A-HB4LPKR-SSP	SS-83K10MM	10mm OD HB Series Ball Valve (6,525 PSI Max)
M12A-HB4LPKR-SSP	NA	12mm OD HB Series Ball Valve (6,162 PSI Max)

HB Series Ball Valves Three Way



Part Number	Compatible with	Description
4F-HB4XPKR-SSP	SS-H83XPF4	1/4" Female NPT HB Series Ball Valve (10,000 PSI Max)
4A-HB4XPKR-SSP	SS-83KS4	1/4" OD HB Series Ball Valve (10,000 PSI Max)
6A-HB4XPKR-SSP	SS-83KS6	3/8" OD HB Series Ball Valve (6,600 PSI Max)
8A-HB4XPKR-SSP	SS-83KS8	1/2" OD HB Series Ball Valve (6,300 PSI Max)
M6A-HB4XPKR-SSP	SS-83KS6MM	6mm OD HB Series Ball Valve (10,000 PSI Max)
M10A-HB4XPKR-SSP	SS-83K10MM	10mm OD HB Series Ball Valve (6,525 PSI Max)
M12A-HB4XPKR-SSP	NA	12mm OD HB Series Ball Valve (6,162 PSI Max)

INSTRUMENTATION

SWB Series Ball Valves



Part Number	Compatible with	Description
4A-SWB4L-RT-T-SS	SS-62TS4	1/4" OD SWB Series Ball Valve (3 pcs construction)
6A-SWB4L-RT-T-SS	SS-62TS6	3/8" OD SWB Series Ball Valve (3 pcs construction)
8A-SWB8L-RT-T-SS	SS-63TS8	1/2" OD SWB Series Ball Valve (3 pcs construction)
12A-SWB12L-RT-T-SS	SS-63TS12	3/4" OD SWB Series Ball Valve (3 pcs construction)
16A-SWB16L-RT-T-SS	SS-65TS16	1" OD SWB Series Ball Valve (3 pcs construction)

HBV Series Ball Valves - A-Lok Ended



Part Number	Description
HPBYB4FFHP	1/4" Hi-Pro ball valve 10K PSI
HPBYB6FFHP	3/8" Hi-Pro ball valve 10K PSI
HPBYB8FFHP	1/2" Hi-Pro ball valve 10K PSI
HPBYBM6A	6mm Hi-Pro ball valve 6K PSI
HPBYBM10A	10mm Hi-Pro ball valve 6K PSI
HPBYBM12A	12mm Hi-Pro ball valve 6K PSI

V Series - Needle Valves - A-Lok Ended



Part Number	Compatible with	Description
4A-V4LR-SS	SS-IVS4	1/4" A-Lok V4 Series Needle Valve
6A-V6LR-SS	SS-IVS6	3/8" A-Lok V4 Series Needle Valve
8A-V8LR-SS	SS-IVS8	1/2" A-Lok V4 Series Needle Valve
12A-V12LR-SS	SS-IVS12	3/4" A-Lok V4 Series Needle Valve
M6A-V4LR-SS	SS-IRVS6MM	6mm A-Lok V4 Series Needle Valve
M10A-V6LR-SS	SS-IRVS10MM	10mm A-Lok V4 Series Needle Valve
M12A-V8LR-SS	SS-18VS12MM	12mm A-Lok V4 Series Needle Valve

HNVS Series - Needle Valves



Part Number	Compatible with	Description
HNVS4FF	SS-3NBF4	1/4" FxF NPT Needle Valve 6K PSI MWP
HNVS6FF	SS-6NBF6	3/8" FxF NPT Needle Valve 6K PSI MWP
HNVS8FF	SS-12NBF8	1/2" FxF NPT Needle Valve 6K PSI MWP
HNVS4M4F	SS-3HNRM4-F4	1/4" MxF NPT Needle Valve 6K PSI MWP
HNVS6M6F	N/A	3/8" MxF NPT Needle Valve 6K PSI MWP
HNVS8M8F	SS-6HNRM8-F8	1/2" MxF NPT Needle Valve 6K PSI MWP

7 Lonestar Series - Needle Valves



Part Number	Description
V-500S6P	1/4" MxF NPT Needle Valve 10K PSI MWP
V-506S6P	1/2" MxF NPT Needle Valve 10K PSI MWP
V-502S6P	1/4" FxF NPT Needle Valve 10K PSI MWP
V-508S6P	1/2" FxF NPT Needle Valve 10K PSI MWP
V-528S6P	3/4" M x 1/2" F NPT Needle Valve 10K PSI MWP
V-530S6P	1/2" M x 1/4" F NPT Needle Valve 10K PSI MWP
V-540S6P	3/4" M x 3/4" F NPT Needle Valve 10K PSI MWP

C Series - Check Valves (1/3 PSI cracking pressure)



Part Number	Compatible with	Description
4A-C4L-1/3-SS	SS-4C-1/3	1/4" OD C Series Check Valves 1/3 PSI crack P
6A-C6L-1/3-SS	SS-6C-1/3	3/8" OD C Series Check Valves 1/3 PSI crack P
8A-C8L-1/3-SS	SS-8C-1/3	1/2" OD C Series Check Valves 1/3 PSI crack P
12A-C12L-1/3-SS	SS-12C-1/3	3/4" OD C Series Check Valves 1/3 PSI crack P
16A-C16L-1/3-SS	SS-16C-1/3	1" OD C Series Check Valves 1/3 PSI crack P
M6A-C4L-1/3-SS	SS-6C-MM-1/3	6mm OD C Series Check Valves 1/3 PSI crack P
M10A-C6L-1/3-SS	SS-10C-MM-1/3	10mm OD C Series Check Valves 1/3 PSI crack P
M12A-C8L-1/3-SS	SS-12C-MM-1/3	12mm OD C Series Check Valves 1/3 PSI crack P
4F-C4L-1/3-SS	SS-4C4-1/3	1/4" NPT C Series Check Valves 1/3 PSI crack P
6F-C6L-1/3-SS	SS-6C4-1/3	3/8" NPT C Series Check Valves 1/3 PSI crack P
8F-C8L-1/3-SS	SS-8C4-1/3	1/2" NPT C Series Check Valves 1/3 PSI crack P
12F-C12L-1/3-SS	SS-12C4-1/3	3/4" NPT C Series Check Valves 1/3 PSI crack P
16F-C16L-1/3-SS	SS-16C4-1/3	1" NPT C Series Check Valves 1/3 PSI crack P

Gauge Valves



Part Number	Description
HGVS8	1/2" 3 x FNPT gauge valve 6K PSI
V-516S6P	1/2" 3 x FNPT gauge valve 10K PSI (Lonestar)

Block & Bleed Static Pressure Manifolds



Part Number	Description
HLS2V	1/2" FNPT x FNPT x 1/4" FNPT 6K PSI B&B manifold
HLS28M8F4F	1/2" MNPT x FNPT x 1/4" FNPT 6K PSI B&B manifold
V-626S6P	1/2" FNPT x FNPT x 1/4" FNPT 10K PSI B&B manifold
V-570S6P	1/2" MNPT x FNPT x 1/4" FNPT 10 K PSI B&B manifold

INSTRUMENTATION

Description:

- Compact design for direct mounting to differential pressure transmitters with 54mm/2.125" mounting centres, supplied with instrument mounting bolts and PTFE seals. Test ports available as standard on top face [plugs to be ordered separately - not fitted]. Purge port options available.

H Series 3 & 5 Valve Manifold



Part Number	Description
	inch
HDS3M	1/2" NPT x Flanged compact three valve manifold
HDS3MDTP	1/2" NPT x Flanged x 1/4" NPT vent; compact three valve manifold
HEFS38N	1/2" NPT x Flanged; three valve manifold
HEFS3	Flanged x Flanged three valve manifold
HDS5M	1/2" NPT x Flanged compact five valve manifold
HDS5	1/2" NPT x Flanged x 1/4" NPT vent; compact five valve manifold
HEFS5CT	Flanged x Flanged x 1/4" NPT vent; five valve manifold
HEFS58NCT	1/2" NPT x Flanged x 1/4" NPT vent; five valve manifold

- Description:**
- Available in zinc/aluminium or non-corroddible polyester. For low flow (90 or 120 l/min), 125-micron inline filtration. The polyester option is suitable for use in water applications.
- Applications:**
- Industrial and mobile hydraulics and general applications where coarse filtration is required to remove particulate contamination from fluids such as oil or water.
- Advantages:**
- 2 models cover most applications.
 - Non-corroddible characteristics make it ideal for water applications.
 - Proven designs and product reliability.
 - Parker innovation.

A-F Inline filter



Part Number	Compatible with	Description
4A-F4L-1-SS	SS-4F-05	1/4" Alok - 50 microns inline filter
6A-F6L-1-SS	SS-6F-05	3/8" Alok - 50 microns inline filter
8A-F8L-1-SS	SS-8F-05	1/2" Alok - 50 microns inline filter
12A-F12L-1-SS	N/A	3/4" Alok - 50 microns inline filter
16A-F16L-1-SS	N/A	1" Alok - 50 microns inline filter
M6A-F4L-1-SS	SS-6F-MM-05	6mm Alok - 50 microns inline filter
M10A-F6L-1-SS	N/A	10mm Alok - 50 microns inline filter
M12A-F8L-1-SS	N/A	12mm Alok - 50 microns inline filter
M20A-F12L-1-SS	N/A	20mm Alok - 50 microns inline filter
M25A-F16L-1-SS	N/A	25mm Alok - 50 microns inline filter
4F-F4L-1-SS	SS-4F4-05	1/4" NPT - 50 microns inline filter
6F-F6L-1-SS	N/A	3/8" NPT - 50 microns inline filter
8F-F8L-1-SS	N/A	1/2" NPT - 50 microns inline filter
12F-F12L-1-SS	N/A	3/4" NPT - 50 microns inline filter
16F-F16L-1-SS	N/A	1" NPT - 50 microns inline filter

Vented Cap Body Grease Fittings



Part Number	Description
BG10N2-C0	1/4" NPT to UNS vented cap grease fitting - 316SS 10K PSI
BG10N3-C0	3/8" NPT to UNS vented cap grease fitting - 316SS 10K PSI
BG10N4-C0	1/2" NPT to UNS vented cap grease fitting - 316SS 10K PSI
BG10N6-C0	3/4" NPT to UNS vented cap grease fitting - 316SS 10K PSI
BG10N8-C0	1" NPT to UNS vented cap grease fitting - 316SS 10K PSI
BH10N2-C0	1/4" NPT to GBH vented cap grease fitting - 316SS 10K PSI
BH10N3-C0	3/8" NPT to GBH vented cap grease fitting - 316SS 10K PSI
BH10N4-C0	1/2" NPT to GBH vented cap grease fitting - 316SS 10K PSI
BH10N6-C0	3/4" NPT to GBH vented cap grease fitting - 316SS 10K PSI
BH10N8-C0	1" NPT to GBH vented cap grease fitting - 316SS 10K PSI

Lubrication Fitting 9/16" Cone and Threaded Style



Part Number	Description
HP12S9-F0	9/16" Autoclave style grease fitting - 316SS 20K PSI

Giant Button Head Coupler



Part number	Description
BHC78-TE	GBH to 1/4" FNPT grease gun adaptor

Internal Check Fitting



Part Number	Description
IC10N2-C0	1/4" NPT Single Ball Check Fitting, 316SS, 10K PSI
IC10N4-C0	1/2" NPT Single Ball Check Fitting, 316SS, 10K PSI

Adaptor Male Straight



Part Number	Compatible with	Description	"Tube O.D."	"NPT Pipe Thread"
FAMS-44	C4-4FN-1	Adaptor Male Straight, 1/4" x 1/4" NPT	1/4	1/4
FAMS-64	C6-4FN-1	Adaptor Male Straight, 3/8" x 1/4" NPT	3/8	1/4
FAMS-84	C8-4FN-1	Adaptor Male Straight, 1/2" x 1/4" NPT	1/2	1/4
FAMS-88	C8-8FN-1	Adaptor Male Straight, 1/2" x 1/2" NPT	1/2	1/2
FAMS-128	C12-8FN-1	Adaptor Male Straight, 3/4" x 1/2" NPT	3/4	1/2
FAMS-1212	C12-12FN-1	Adaptor Male Straight, 3/4" x 3/4" NPT	3/4	3/4
FAMS-1612	C16-12FN-1	Adaptor Male Straight, 1" x 3/4" NPT	1	3/4
FAMS-1616	C16-16FN-1	Adaptor Male Straight, 1" x 1" NPT	1	1

Adaptor Female Straight



Part Number	Compatible with	Description	"Tube O.D."	"NPT Pipe Thread"
FAFS-44	FC4-4FN-1	Adaptor Female Straight, 1/4" x 1/4" FNPT	1/4	1/4
FAFS-66	FC6-6FN-1	Adaptor Female Straight, 3/8" x 3/8" FNPT	3/8	3/8
FAFS-88	FC8-8FN-1	Adaptor Female Straight, 1/2" x 1/2" FNPT	1/2	1/2
FAFS-1212	FC12-12FN-1	Adaptor Female Straight, 3/4" x 3/4" FNPT	3/4	3/4

Adaptor Male Elbow



Part Number	Compatible with	Description	"Tube O.D."	"NPT Pipe Thread"
FAME-44	E4-4FN-1	Adaptor Male Elbow, 1/4" x 1/4" NPT	1/4	1/4
FAME-66	E6-6FN-1	Adaptor Male Elbow, 3/8" x 3/8" NPT	3/8	3/8
FAME-88	E8-8FN-1	Adaptor Male Elbow, 1/2" x 1/2" NPT	1/2	1/2
FAME-1212	E12-12FN-1	Adaptor Male Elbow, 3/4" x 3/4" NPT	3/4	3/4
FAME-1616	E16-16FN-1	Adaptor Male Elbow, 1" x 1" NPT	1	1

Elbow Connector



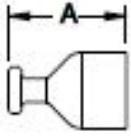
Part Number	Compatible with	Description	"Tube O.D."
FEC-4	UE4FN-1	1/4" OD Elbow Connector	1/4
FEC-6	UE6FN-1	3/8" OD Elbow Connector	3/8
FEC-8	UE8FN-1	1/2" OD Elbow Connector	1/2
FEC-12	UE12FN-1	3/4" OD Elbow Connector	3/4
FEC-16	UE16FN-1	1" OD Elbow Connector	1

Tee Connector



Part Number	Compatible with	Description	"Tube O.D."
FTC-4	UT-4FN-1	1/4" OD Tee Connector	1/4
FTC-6	UT-6FN-1	3/8" OD Tee Connector	3/8
FTC-8	UT-8FN-1	1/2" OD Tee Connector	1/2
FTC-12	UT-12FN-1	3/4" OD Tee Connector	3/4
FTC-16	UT-16FN-1	1" OD Tee Connector	1

Fitting Cap



Part Number	Compatible with	Description	"Tube O.D."
FCAP-4	FLC4	1/4" Fitting Cap	1/4
FCAP-6	FLC6	3/8" Fitting Cap	3/8
FCAP-8	FLC8	1/2" Fitting Cap	1/2
FCAP-12	FLC12	3/4" Fitting Cap	3/4
FCAP-16	FLC16	1" Fitting Cap	1

Fitting Nut - PVDF



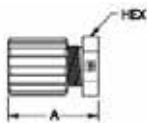
Part Number	Compatible with	Description	"Tube O.D."
1213-0004	FL4-1	1/4" PVDF Fitting Nut	1/4
1213-0006	FL6-1	3/8" PVDF Fitting Nut	3/8
1213-0008	FL8-1	1/2" PVDF Fitting Nut	1/2
1213-0012	FL12-1	3/4" PVDF Fitting Nut	3/4
1213-0016	FL16-1	1" PVDF Fitting Nut	1

Fitting Nut - PFA



Part Number	Compatible with	Description	"Tube O.D."
1213-0204	FL4-3	1/4" PFA Fitting Nut	1/4
1213-0206	FL6-3	3/8" PFA Fitting Nut	3/8
1213-0208	FL8-3	1/2" PFA Fitting Nut	1/2
1213-0212	FL12-3	3/4" PFA Fitting Nut	3/4
1213-0216	FL16-3	1" PFA Fitting Nut	1

Tubing Plug with Nut



Part Number	Compatible with	Description	"Tube O.D."
FTPG-4	CP4FN-1	1/4" Tubing plug with Nut	1/4
FTPG-6	CP6FN-1	3/8" Tubing plug with Nut	3/8
FTPG-8	CP8FN-1	1/2" Tubing plug with Nut	1/2
FTPG-12	CP12FN-1	3/4" Tubing plug with Nut	3/4
FTPG-16	CP16FN-1	1" Tubing plug with Nut	1

Spray Gun



Part Number	Description	"Tube O.D."	"NPT Pipe Thread"
SG-1-01	Spray Gun, DI WATER		1/4 FNPT
SG-1-02-01	Spray Gun with complete 1002-0158 Recirculation Assembly	3/8	
SG-1-03-2	N2 Spray Gun with Filter, 0.2 Micron Element		1/4 FNPT

Applications:

- Suitable for marine & Offshore applications
- Chemical/Petroleum & process industries
- Coalescing filters are designed for removing oil & water aerosols down to 0.01µ
- Suitable for food industry application

Max operating pressure:

- 20 bar, 12 bar when fitted with auto-drain

Max operating temperature

Regulator:

- 65°C

Filter + Regulator:

- 80°C, 50°C when fitted with auto-drain



Particulate Filter



Part Number Manual drain	Part Number Auto drain	Port size Flow	Flow l/min @ 7 bar	Filter Element
PF504-02DHSS	-	NPT 1/4	660	20µ
PF10-04DJSS	PF10-04DJRSS	NPT 1/2	1800	40µ

* For 5µ filter element substitute H or J with G

Coalescing Filter



Part Number Manual drain	Part Number Auto drain	Port size Flow	Flow l/min @ 7 bar	Filter Element
PF501-02DHSS	-	NPT 1/4	240	0.3µ
PF11-04DJSS	PPF11-04DJRSS	NPT 1/2	480	0.01µ

Filter + Filter Regulator

Regulator



Part Number fitted with 0-8.5 bar spring	Port size	Flow l/min @ 7 bar
PR364-02CSS	NPT 1/4 Plastic bonnet/knob	450
PR354-02CSS	Full S/S version	
PR10-04CSS	NPT 1/2 Plastic bonnet/knob	2820
PR11-04CSS	Full S/S version	

Lubricator



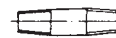
Part Number	Port size	Flow l/min @ 7 bar
PL10-04DSS	NPT 1/2	3000

Filter Regulator



Part Number fitted with 0-8.5 bar spring	Port size	Flow l/min @ 7 bar
PB548-02DHCSS	NPT 1/4 Plastic bonnet/knob	450
PB558-02DHCSS	Full S/S version	
PB11-04DJCSS	NPT 1/2 Plastic bonnet/knob	1800
PB12-04DJCSS	Full S/S version	

Connectors



Part Number	Port size
AC-2SS	BSPT 1/4
AC-4SS	BSPT 1/2

Stainless steel pressure gauge
M1/4G40S-10 (0 to 10 bar)

Panel mounting nut for G1/4: PR05X51SS
G1/2: PR10X51SS

2/2 - 3/2 Valves For General Purpose - Direct Operated & Maglift



2/2 Normally Closed, 303 Stainless Steel Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
121V5163	1/4"	5	10	RUBY	140	14/6.5	2.0
71215SN2MV00	1/4"	3	4	VITON	120	14/10	2.0
73212SN2MV00	1/4"	6	10.8	VITON	120	21	2.0

2/2 Normally Closed, 316 Stainless Steel Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
221S10F	3/8"	15	40	VITON	85	10/0	2.0
221S15F	1/2"	15	50	VITON	85	10/0	2.0
221S20F	3/4"	24	95	VITON	85	10/0	2.0
221S25F	1"	24	105	VITON	85	10/0	2.0

2/2 Normally Open, 430 Stainless Steel Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
71225SN2KF00	1/4"	2.4	2.1	PCTFE	75	12	2.2

3/2 Universal, 430 Stainless Steel Valves (0 Min Pressure)

Part Number	Thread BSPP	Orifice mm	Kv l/h	Seal Material	Max Temp C	Pressure Rating (BAR)	Coil Type
71335SN2ANJ1	1/4"	0.8	0.3	NBR	85	28	2.0

For more compatible coils, see page 32 >Accessories

Description:

- A-Lok® instrumentation tube fittings are designed as leak-free connections for process, power and instrumentation applications.

Material:

- 316 Stainless steel (standard) other material available on request.

Operating pressure:

- For operating pressures of A-Lok®, please consult Instrumentation Division's Tube Selection Guide (4200-TS).

NPT Male to Tube Connector



Part Number	Compatible with	Description
4MSC4N-316	SS-400-1-4	1/4" OD x 1/4" MNPT Connector
6MSC6N-316	SS-600-1-6	3/8" OD x 3/8" MNPT Connector
8MSC8N-316	SS-810-1-8	1/2" OD x 1/2" MNPT Connector
12MSC12N-316	SS-1210-1-12	3/4" OD x 3/4" MNPT Connector
16MSC16N-316	SS-1610-1-16	1" OD x 1" MNPT Connector

NPT Male to Tube Elbow



Part Number	Compatible with	Description
4MSEL4N-316	SS-400-2-4	1/4" OD x 1/4" MNPT Elbow
6MSEL6N-316	SS-600-2-6	3/8" OD x 3/8" MNPT Elbow
8MSEL8N-316	SS-810-2-8	1/2" OD x 1/2" MNPT Elbow
12MSEL12N-316	SS-1210-2-12	3/4" OD x 3/4" MNPT Elbow
16MSEL16N-316	SS-1610-2-16	1" OD x 1" MNPT Elbow

NPT Male to Tube 45° Elbow



Part Number	Compatible with	Description
4MVEL4N-316	SS-400-5-4	1/4" OD x 1/4" MNPT 45° Elbow
6MVEL6N-316	SS-600-5-6	3/8" OD x 3/8" MNPT 45° Elbow
8MVEL8N-316	SS-810-5-8	1/2" OD x 1/2" MNPT 45° Elbow
12MVEL12N-316	SS-1210-5-12	3/4" OD x 3/4" MNPT 45° Elbow
16MVEL16N-316	SS-1610-5-16	1" OD x 1" MNPT 45° Elbow

NPT Male Run Tee



Part Number	Compatible with	Description
4MRT4N-316	SS-400-3-4TMT	1/4" OD x 1/4" OD x 1/4" MNPT Run Tee
6MRT6N-316	SS-600-3-6TMT	3/8" OD x 3/8" OD x 3/8" MNPT Run Tee
8MRT8N-316	SS-810-3-8TMT	1/2" OD x 1/2" OD x 1/2" MNPT Run Tee
12MRT12N-316	SS-1210-3-12TMT	3/4" OD x 3/4" OD x 3/4" MNPT Run Tee
16MRT16N-316	SS-1610-3-16TMT	1" OD x 1" OD x 1" MNPT Run Tee

NPT Male Branch Tee



Part Number	Compatible with	Description
4MBT4N-316	SS-400-3-4TTM	1/4" OD x 1/4" MNPT x 1/4" OD Branch Tee
6MBT6N-316	SS-600-3-6TTM	3/8" OD x 3/8" MNPT x 3/8" OD Branch Tee
8MBT8N-316	SS-810-3-8TTM	1/2" OD x 1/2" MNPT x 1/2" OD Branch Tee
12MBT12N-316	SS-1210-3-12TTM	3/4" OD x 3/4" MNPT x 3/4" OD Branch Tee
16MBT16N-316	SS-1610-3-16TTM	1" OD x 1" MNPT x 1" OD Branch Tee

NPT Female Connector



Part Number	Compatible with	Description
4FSC4N-316	SS-400-7-4	1/4" OD x 1/4" FNPT Connector
6FSC6N-316	SS-600-7-6	3/8" OD x 3/8" FNPT Connector
8FSC8N-316	SS-810-7-8	1/2" OD x 1/2" FNPT Connector
12FSC12N-316	SS-1210-7-12	3/4" OD x 3/4" FNPT Connector
16FSC16N-316	SS-1610-7-16	1" OD x 1" FNPT Connector

NPT Female Elbow



Part Number	Compatible with	Description
4FEL4N-316	SS-400-8-4	1/4" OD x 1/4" FNPT Elbow
6FEL6N-316	SS-600-8-6	3/8" OD x 3/8" FNPT Elbow
8FEL8N-316	SS-810-8-8	1/2" OD x 1/2" FNPT Elbow
12FEL12N-316	SS-1210-8-12	3/4" OD x 3/4" FNPT Elbow
16FEL16N-316	SS-1610-8-16	1" OD x 1" FNPT Elbow

Union Straight



Part Number	Compatible with	Description
4SC4-316	SS-400-6	1/4" Union Straight
6SC6-316	SS-600-6	3/8" Union Straight
8SC8-316	SS-810-6	1/2" Union Straight
12SC12-316	SS-1210-6	3/4" Union Straight
16SC16-316	SS-1610-6	1" Union Straight
SCM6-316	SS-6MO-6	6mm Union Straight
SCM10-316	SS-10MO-6	10mm Union Straight
SCM12-316	SS-12MO-6	12mm Union Straight
SCM18-316	SS-18MO-6	18mm Union Straight
SCM25-316	SS-25MO-6	25mm Union Straight

7 Conversion Union (Metric tube to Inch Tube)



Part Number	Compatible with	Description
M6CU4-316	SS-6M0-6-4	6mm to 1/4" Conversion Union
M8CU4-316	SS-8M0-6-4	8mm to 1/4" Conversion Union
M10CU4-316	SS-10M0-6-4	10mm to 1/4" Conversion Union
M10CU6-316	SS-10M0-6-6	10mm to 3/8" Conversion Union
M12CU6-316	SS-12M0-6-6	12mm to 3/8" Conversion Union
M12CU8-316	SS-12M0-6-8	12mm to 1/2" Conversion Union
M16CU6-316	SS-16M0-6-6	16mm to 3/8" Conversion Union
M18CU12-316	SS-18M0-6-12	18mm to 3/4" Conversion Union

Reducing Union



Part Number	Compatible with	Description
4RU2-316	SS-400-6-2	1/4" OD to 1/8" OD Reducing Union
6RU4-316	SS-600-6-4	3/8" OD to 1/4" OD Reducing Union
8RU4-316	SS-810-6-4	1/2" OD to 1/4" OD Reducing Union
8RU6-316	SS-810-6-6	1/2" OD to 3/8" OD Reducing Union
12RU4-316	SS-1210-6-4	3/4" OD to 1/4" OD Reducing Union
12RU6-316	SS-1210-6-6	3/4" OD to 3/8" OD Reducing Union
12RU8-316	SS-1210-6-8	3/4" OD to 1/2" OD Reducing Union
16RU8-316	SS-1610-6-8	1" OD to 1/2" OD Reducing Union
16RU12-316	SS-1610-6-12	1" OD to 3/4" OD Reducing Union

Bulkhead Union



Part Number	Compatible with	Description
4BC4-316	SS-400-61	1/4" OD Bulkhead Union
6BC6-316	SS-600-61	3/8" OD Bulkhead Union
8BC8-316	SS-810-61	1/2" OD Bulkhead Union
12BC12-316	SS-1210-61	3/4" OD Bulkhead Union
16BC16-316	SS-1610-61	1" OD Bulkhead Union
BCM6-316	SS-6M0-61	6mm OD Bulkhead Union
BCM10-316	SS-10M0-61	10mm OD Bulkhead Union
BCM12-316	SS-12M0-61	12mm OD Bulkhead Union
BCM18-316	SS-18M0-61	18mm OD Bulkhead Union
BCM25-316	SS-25M0-61	25mm OD Bulkhead Union

Union Elbow



Part Number	Compatible with	Description
4EE4-316	SS-400-9	1/4" Union Elbow
6EE6-316	SS-600-9	3/8" Union Elbow
8EE8-316	SS-810-9	1/2" Union Elbow
12EE12-316	SS-1210-9	3/4" Union Elbow
16EE16-316	SS-1610-9	1" Union Elbow
EEM6-316	SS-6MO-9	6mm Union Elbow
EEM10-316	SS-6MO-10	10mm Union Elbow
EEM12-316	SS-6MO-12	12mm Union Elbow
EEM18-316	SS-6MO-18	18mm Union Elbow
EEM25-316	SS-6MO-25	25mm Union Elbow

Union Tee



Part Number	Compatible with	Description
4ET4-316	SS-400-3	1/4" Union Tee
6ET6-316	SS-600-3	3/8" Union Tee
8ET8-316	SS-810-3	1/2" Union Tee
12ET12-316	SS-1210-3	3/4" Union Tee
16ET16-316	SS-1610-3	1" Union Tee
ETM6-316	SS-6MO-3	6mm Union Tee
ETM10-316	SS-10MO-3	10mm Union Tee
ETM12-316	SS-12MO-3	12mm Union Tee
ETM18-316	SS-18MO-3	18mm Union Tee
ETM25-316	SS-25MO-3	25mm Union Tee

Drop Size Tee



Part Number	Compatible with	Description
4-4-2 J LZ-316	SS-400-3-4-2	1/4" OD x 1/4" OD x 1/8" OD Drop Size Tee
6-6-4 J LZ-316	SS-600-3-6-4	3/8" OD x 3/8" OD x 1/4" OD Drop Size Tee
8-8-6 J LZ-316	SS-810-3-8-6	1/2" OD x 1/2" OD x 3/8" OD Drop Size Tee
8-8-4 J LZ-316	SS-810-3-8-4	1/2" OD x 1/2" OD x 1/4" OD Drop Size Tee
12-12-8 J LZ-316	SS-1210-3-12-8	3/4" OD x 3/4" OD x 1/2" OD Drop Size Tee
12-12-6 J LZ-316	SS-1210-3-12-6	3/4" OD x 3/4" OD x 3/8" OD Drop Size Tee
12-12-4 J LZ-316	SS-1210-3-12-4	3/4" OD x 3/4" OD x 1/4" OD Drop Size Tee
16-16-12 J LZ-316	SS-1610-3-16-12	1" OD x 1" OD x 3/4" OD Drop Size Tee
16-16-8 J LZ-316	SS-1610-3-16-8	1" OD x 1" OD x 1/2" OD Drop Size Tee
16-16-6 J LZ-316	SS-1610-3-16-6	1" OD x 1" OD x 3/8" OD Drop Size Tee
16-16-4 J LZ-316	SS-1610-3-16-4	1" OD x 1" OD x 1/4" OD Drop Size Tee

Union Cross



Part Number	Compatible with	Description
4ECR4-316	SS-400-4	1/4" Union Cross
6ECR6-316	SS-600-4	3/8" Union Cross
8ECR8-316	SS-810-4	1/2" Union Cross
12ECR12-316	SS-1210-4	3/4" Union Cross
16ECR16-316	SS-1610-4	1" Union Cross
ECRM6-316	SS-6MO-4	6mm Union Cross
ECRM10-316	SS-10MO-4	10mm Union Cross
ECRM12-316	SS-12MO-4	12mm Union Cross
ECRM18-316	SS-18MO-4	18mm Union Cross
ECRM25-316	SS-25MO-4	25mm Union Cross

BSP Male Elbow (Positionable)



Part Number	Compatible with	Description
4MSEL4R-316	SS-400-2-4PR	1/4" OD x 1/4" Male BSP Elbow
6MSEL4R-316	SS-600-2-4PR	3/8" OD x 1/4" Male BSP Elbow
6MSEL6R-316	SS-600-2-6PR	3/8" OD x 3/8" Male BSP Elbow
8MSEL4R-316	SS-810-2-4PR	1/2" OD x 1/4" Male BSP Elbow
8MSEL6R-316	SS-810-2-6PR	1/2" OD x 3/8" Male BSP Elbow
8MSEL8R-316	SS-810-2-8PR	1/2" OD x 1/2" Male BSP Elbow
12MSEL8R-316	SS-1210-2-8PR	3/4" OD x 1/2" Male BSP Elbow
12MSEL12R-316	SS-1210-2-12PR	3/4" OD x 3/4" Male BSP Elbow
16MSEL12R-316	SS-1610-2-12PR	1" OD x 3/4" Male BSP Elbow
16MSEL16R-316	SS-1610-2-16PR	1" OD x 1" Male BSP Elbow

BSP Male Run Tee (Positionable)



Part Number	Compatible with	Description
4MRT4R-316	SS-400-3TRT	1/4" OD (2) x 1/4" Male BSP Run Tee
6MRT6R-316	SS-600-3TRT	3/8" OD (2) x 3/8" Male BSP Run Tee
8MRT8R-316	SS-810-3TRT	1/2" OD (2) x 1/2" Male BSP Run Tee
12MRT12R-316	SS-1210-3TRT	3/4" OD (2) x 3/4" Male BSP Run Tee
16MRT16R-316	SS-1610-3TRT	1" OD (2) x 1" Male BSP Run Tee

Male BSP Branch Tee



Part Number	Compatible with	Description
4M5BT4-316	SS-400-3TTS	1/4" OD (2) x 7/16-20 Male BSP Branch Tee
6M5BT6-316	SS-600-3TTS	3/8" OD (2) x 9/16-18 Male BSP Branch Tee
8M5BT8-316	SS-810-3TTS	1/2" OD (2) x 3/4-16 Male BSP Branch Tee
12M5BT12-316	SS-1210-3TTS	3/4" OD (2) x 1-1/16-12 Male BSP Branch Tee
16M5BT16-316	SS-1610-3TTS	1" OD (2) x 1-5/16-12 Male BSP Branch Tee

STAINLESS STEEL

Socket Weld Elbow



Part Number	Compatible with	Description
4-4 ZELW-316	SS-400-9-4 W	1/4" OD Socket Weld Elbow
6-6 ZELW-316	SS-600-9-6 W	3/8" OD Socket Weld Elbow
8-8 ZELW-316	SS-810-9-8 W	1/2" OD Socket Weld Elbow
12-12 ZELW-316	SS-1210-9-12 W	3/4" OD Socket Weld Elbow
16-16 ZELW-316	SS-1610-9-16 W	1" OD Socket Weld Elbow

Buttweld Elbow



Part Number	Compatible with	Description
4-1/4 ZELW2-316	SS-400-2-4 W	1/4" OD x 1/4" (Pipe) Buttweld Elbow
6-1/4 ZELW22-316	SS-600-2-4 W	3/8" OD x 1/4" (Pipe) Buttweld Elbow
8-1/2 ZELW2-316	SS-810-2-8 W	1/2" OD x 1/2" (Pipe) Buttweld Elbow
12-3/4 ZELW2-316	SS-1210-2-12 W	3/4" OD x 3/4" (Pipe) Buttweld Elbow
16-1 ZELW2-316	SS-1610-2-16 W	1" OD x 1" (Pipe) Buttweld Elbow

Socket Weld Connector



Part Number	Compatible with	Description
4-4 ZHLW-316	SS-400-6-4 W	1/4" OD Socket Weld Connector
6-6 ZHLW-316	SS-600-6-6 W	3/8" OD Socket Weld Connector
8-8 ZHLW-316	SS-810-6-8 W	1/2" OD Socket Weld Connector
12-12 ZHLW-316	SS-1210-6-12 W	3/4" OD Socket Weld Connector
16-16 ZHLW-316	SS-1610-6-16 W	1" OD Socket Weld Connector

Buttweld Connector



Part Number	Compatible with	Description
4-1/4 ZHLW2-316	SS-400-1-4 W	1/4" OD x 1/4" (Pipe) Buttweld Connector
6-3/8 ZHLW2-316	SS-600-1-6 W	3/8" OD x 3/8" (Pipe) Buttweld Connector
8-1/2 ZHLW2-316	SS-810-1-8 W	1/2" OD x 1/2" (Pipe) Buttweld Connector
12-3/4 ZHLW2-316	SS-1210-1-12 W	3/4" OD x 3/4" (Pipe) Buttweld Connector
16-1 ZHLW2-316	SS-1610-1-16 W	1" OD x 1" (Pipe) Buttweld Connector

Tube Nut



Part Number	Compatible with	Description
4NU4-316	SS-402-1	1/4" OD Tube Nut
6NU6-316	SS-602-1	3/8" OD Tube Nut
8NU8-316	SS-812-1	1/2" OD Tube Nut
12NU12-316	SS-1212-1	3/4" OD Tube Nut
16NU16-316	SS-1612-1	1" OD Tube Nut
NUM6-316	SS-6M2-1	6mm Tube Nut
NUM10-316	SS-10M2-1	10mm Tube Nut
NUM12-316	SS-12M2-1	12mm Tube Nut
NUM18-316	SS-18M2-1	18mm Tube Nut
NUM25-316	SS-25M2-1	25mm Tube Nut

7

Ferrule Holder Set



Part Number	Compatible with	Description
4 ALOK-316-SET	SS-400-SET	1/4" ALOK set
6 ALOK-316-SET	SS-600-SET	3/8" ALOK set
8 ALOK-316-SET	SS-810-SET	1/2" ALOK set
12 ALOK-316-SET	NA	3/4" ALOK set
16 ALOK-316-SET	NA	1" ALOK set
M6 ALOK-316-SET	SS-6MO-SET	6mm ALOK set
M10 ALOK-316-SET	SS-10MO-SET	10mm ALOK Set
M12 ALOK-316-SET	SS-12MO-SET	12mm ALOK set
M18 ALOK-316-SET	NA	18mm ALOK set
M25 ALOK-316-SET	NA	25mm ALOK set

Plug



Part Number	Compatible with	Description
4BPL4-316	SS-400-P	1/4" OD Plug
6BPL6-316	SS-600-P	3/8" OD Plug
8BPL8-316	SS-810-P	1/2" OD Plug
12BPL12-316	SS-1210-P	3/4" OD Plug
16BPL16-316	SS-1610-P	1" OD Plug
BLPM6-316	SS-6MO-P	6 mm OD Plug
BLPM10-316	SS-10MO-P	10 mm OD Plug
BLPM12-316	SS-12MO-P	12 mm OD Plug
BLPM18-316	SS-18MO-P	18 mm OD Plug
BLPM25-316	SS-25MO-P	25 mm OD Plug

Tube Cap



Part Number	Compatible with	Description
4BLEN4-316	SS-400-C	1/4" Tube Cap
6BLEN6-316	SS-600-C	3/8" Tube Cap
8BLEN8-316	SS-810-C	1/2" Tube Cap
12BLEN12-316	SS-1210-C	3/4" Tube Cap
16BLEN16-316	SS-1610-C	1" Tube Cap
BLENM6-316	SS-6MO-C	6mm Tube Cap
BLENM10-316	SS-10MO-C	10mm Tube Cap
BLENM12-316	SS-12MO-C	12mm Tube Cap
BLENM18-316	SS-18MO-C	18mm Tube Cap
BLENM25-316	SS-25MO-C	25mm Tube Cap

STAINLESS STEEL

Vent Protector NPT Male Pipe Thread



Part Number	Description
MS-MD-4M-316	1/4" NPT Vent Protector
MS-MD-6M-316	3/8" NPT Vent Protector
MS-MD-8M-316	1/2" NPT Vent Protector
MS-MD-12M-316	3/4" NPT Vent Protector
MS-MD-16M-316	1" NPT Vent Protector

Tubing



Part Number	Description
MS15-092	1/4" OD Medium Pressure, 316SS - 20K PSI
MS15-093	3/8" OD Medium Pressure, 316SS - 20K PSI
MS15-085	9/16" OD Medium Pressure, 316SS - 20K PSI
TUBE 1/4X.035-316L-CD	1/4" OD x 0.035" WT - 316L Cold Drawn
TUBE 1/4X.049-316L-CD	1/4" OD x 0.049" WT - 316L Cold Drawn
TUBE 1/4X.065-316L-CD	1/4" OD x 0.065" WT - 316L Cold Drawn
TUBE 3/8X.035-316L-CD	3/8" OD x 0.035" WT - 316L Cold Drawn
TUBE 3/8X.049-316L-CD	3/8" OD x 0.049" WT - 316L Cold Drawn
TUBE 3/8X.065-316L-CD	3/8" OD x 0.065" WT - 316L Cold Drawn
TUBE 1/2X.035-316L-CD	1/2" OD x 0.035" WT - 316L Cold Drawn
TUBE 1/2X.049-316L-CD	1/2" OD x 0.049" WT - 316L Cold Drawn
TUBE 1/2X.065-316L-CD	1/2" OD x 0.065" WT - 316L Cold Drawn
TUBE 1/2X.083-316L-CD	1/2" OD x 0.083" WT - 316L Cold Drawn
TUBE 3/4X.065-316L-CD	3/4" OD x 0.065" WT - 316L Cold Drawn
TUBE 3/4X.083-316L-CD	3/4" OD x 0.083" WT - 316L Cold Drawn
TUBE 3/4X.095-316L-CD	3/4" OD x 0.095" WT - 316L Cold Drawn
TUBE 3/4X.105-316L-CD	3/4" OD x 0.105" WT - 316L Cold Drawn
TUBE 1X.065-316L-CD	1" OD x 0.065" WT - 316L Cold Drawn
TUBE 1X.083-316L-CD	1" OD x 0.083" WT - 316L Cold Drawn
TUBE 1X.095-316L-CD	1" OD x 0.095" WT - 316L Cold Drawn

Male Hex Nipple



Part Number	Compatible with	Description
4-2 MHN-SS	SS-4-HRN-2	1/4" NPT x 1/8" NPT Male Hex Nipple
4-4 MHN-SS	SS-4-HN	1/4" NPT x 1/4" NPT Male Hex Nipple
6-4 MHN-SS	SS-6-HRN-4	3/8" NPT x 1/4" NPT Male Hex Nipple
6-6 MHN-SS	SS-6-HN	3/8" NPT x 3/8" NPT Male Hex Nipple
8-4 MHN-SS	SS-8-HRN-4	1/2" NPT x 1/4" NPT Male Hex Nipple
8-6 MHN-SS	SS-8-HRN-6	1/2" NPT x 3/8" NPT Male Hex Nipple
8-8 MHN-SS	SS-8-HN	1/2" NPT x 1/2" NPT Male Hex Nipple
12-6 MHN-SS	SS-12-HRN-6	3/4" NPT x 3/8" NPT Male Hex Nipple
12-8 MHN-SS	SS-12-HRN-8	3/4" NPT x 1/2" NPT Male Hex Nipple
12-12 MHN-SS	SS-12-HN	3/4" NPT x 3/4" NPT Male Hex Nipple
16-8 MHN-SS	SS-16-HRN-8	1" NPT x 1/2" NPT Male Hex Nipple
16-12 MHN-SS	SS-16-HRN-12	1" NPT x 3/4" NPT Male Hex Nipple
16-16 MHN-SS	SS-16-HN	1" NPT x 1" NPT Male Hex Nipple

Female Hex Coupling



Part Number	Compatible with	Description
4-2 FHC-SS	SS-4-HRCG-2	1/4" Female NPT x 1/8" Female NPT Hex Coupling
4-4 FHC-SS	SS-4-HCG	1/4" Female NPT x 1/4" Female NPT Hex Coupling
6-4 FHC-SS	SS-6-HRCG-4	3/8" Female NPT x 1/4" Female NPT Hex Coupling
6-6 FHC-SS	SS-6-HCG	3/8" Female NPT x 3/8" Female NPT Hex Coupling
8-4 FHC-SS	SS-8-HRCG-4	1/2" Female NPT x 1/4" Female NPT Hex Coupling
8-6 FHC-SS	SS-8-HRCG-6	1/2" Female NPT x 3/8" Female NPT Hex Coupling
8-8 FHC-SS	SS-8-HCG	1/2" Female NPT x 1/2" Female NPT Hex Coupling
12-6 FHC-SS	SS-12-HRCG-6	3/4" Female NPT x 3/8" Female NPT Hex Coupling
12-8 FHC-SS	SS-12-HRCG-8	3/4" Female NPT x 1/2" Female NPT Hex Coupling
12-12 FHC-SS	SS-12-HCG	3/4" Female NPT x 3/4" Female NPT Hex Coupling
16-8 FHC-SS	SS-16-HRCG-8	1" Female NPT x 1/2" Female NPT Hex Coupling
16-12 FHC-SS	SS-16-HRCG-12	1" Female NPT x 3/4" Female NPT Hex Coupling
16-16 FHC-SS	SS-16-HCG	1" Female NPT x 1" Female NPT Hex Coupling

Adaptor RA



Part Number	Compatible with	Description
4-2 RA-SS	SS-4-RA-2	1/4" NPT Female x 1/8" Male NPT Adapter
4-4 RA-SS	SS-4-A	1/4" NPT Female x Male Adapter
6-4 RA-SS	SS-6-RA-4	3/8" NPT Female x 1/4" Male NPT Adapter
6-6 RA-SS	SS-6-A	3/8" NPT Female x Male NPT Adapter
8-4 RA-SS	SS-8-RA-4	1/2" NPT Female x 1/4" Male NPT Adapter
8-6 RA-SS	SS-8-RA-6	1/2" NPT Female x 3/8" Male NPT Adapter
8-8 RA-SS	SS-8-A	1/2" NPT Female x Male NPT Adapter
12-6 RA-SS	SS-12-RA-6	3/4" NPT Female x 3/8" Male NPT Adapter
12-8 RA-SS	SS-12-RA-8	3/4" NPT Female x 1/2" Male NPT Adapter
12-12 RA-SS	SS-12-A	3/4" NPT Female x Male NPT Adapter
16-8 RA-SS	SS-16-RA-8	1" NPT Female x 1/2" Male NPT Adapter
16-12 RA-SS	SS-16-RA-12	1" NPT Female x 3/4" Male NPT Adapter
16-16 RA-SS	SS-16-A	1" NPT Female x Male NPT Adapter

Reducing Bushing RB



Part Number	Compatible with	Description
4-1 RB-SS	- SS-4-RB-1	1/4" Male NPT x 1/16" Female NPT Reducing Bushing
4-2 RB-SS	- SS-4-RB-2	1/4" Male NPT x 1/8" Female NPT Reducing Bushing
6-2 RB-SS	- SS-6-RB-2	3/8" Male NPT x 1/8" Female NPT Reducing Bushing
6-4 RB-SS	- SS-6-RB-4	3/8" Male NPT x 1/4" Female NPT Reducing Bushing
8-2 RB-SS	1/2 x 1/8 PTR-SS SS-8-RB-2	1/2" Male NPT x 1/8" Female NPT Reducing Bushing
8-4 RB-SS	- SS-8-RB-4	1/2" Male NPT x 1/4" Female NPT Reducing Bushing
8-6 RB-SS	- SS-8-RB-6	1/2" Male NPT x 3/8" Female NPT Reducing Bushing
12-2 RB-SS	3/4 x 1/8 PTR-SS SS-12-RB-2	3/4" Male NPT x 1/8" Female NPT Reducing Bushing
12-4 RB-SS	3/4 x 1/4 PTR-SS SS-12-RB-4	3/4" Male NPT x 1/4" Female NPT Reducing Bushing
12-6 RB-SS	- SS-12-RB-6	3/4" Male NPT x 3/8" Female NPT Reducing Bushing
12-8 RB-SS	- SS-12-RB-8	3/4" Male NPT x 1/2" Female NPT Reducing Bushing
16-2 RB-SS	1 x 1/8 PTR-SS SS-16-RB-2	1" Male NPT x 1/8" Female NPT Reducing Bushing
16-4 RB-SS	1 x 1/4 PTR-SS SS-16-RB-4	1" Male NPT x 1/4" Female NPT Reducing Bushing
16-6 RB-SS	1 x 3/8 PTR-SS SS-16-RB-6	1" Male NPT x 3/8" Female NPT Reducing Bushing
16-8 RB-SS	- SS-16-RB-8	1" Male NPT x 1/2" Female NPT Reducing Bushing
16-12 RB-SS	1 x 1/2 PTR-SS SS-16-RB-12	1" Male NPT x 3/4" Female NPT Reducing Bushing

Male Elbow



Part Number	Compatible with	Description
2-2 ME-SS	1/8 CR-SS SS-2-ME	1/8" Male NPT Thread Male Elbow
4-4 ME-SS	- SS-4-ME	1/4" Male NPT Thread Male Elbow
6-6 ME-SS	- SS-6-ME	3/8" Male NPT Thread Male Elbow
8-8 ME-SS	1/2 CR-SS SS-8-ME	1/2" Male NPT Thread Male Elbow
12-12 ME-SS	- SS-12-ME	3/4" Male NPT Thread Male Elbow
16-16 ME-SS	- SS-16-ME	1" Male NPT Thread Male Elbow

Female Elbow



Part Number	Compatible with	Description
4-4 FE-SS	SS-4-E	1/4" Female NPT Female Elbow
6-6 FE-SS	SS-6-E	3/8" Female NPT Female Elbow
8-8 FE-SS	SS-8-E	1/2" Female NPT Female Elbow
12-12 FE-SS	SS-12-E	3/4" Female NPT Female Elbow
16-16 FE-SS	SS-16-E	1" Female NPT Female Elbow

Street Elbow



Part Number	Compatible with	Description
4-2 SE-SS	SS-4-RSE-2	1/4" Male NPT x 1/8" Female NPT Street Elbow
4-4 SE-SS	SS-4-SE	1/4" Male NPT x 1/4" Female NPT Street Elbow
6-4 SE-SS	SS-6-RSE-4	3/8" Male NPT x 1/4" Female NPT Street Elbow
6-6 SE-SS	SS-6-SE	3/8" Male NPT x 3/8" Female NPT Street Elbow
8-4 SE-SS	SS-8-RSE-4	1/2" Male NPT x 1/4" Female NPT Street Elbow
8-6 SE-SS	SS-8-RSE-6	1/2" Male NPT x 3/8" Female NPT Street Elbow
8-8 SE-SS	SS-8-SE	1/2" Male NPT x 1/2" Female NPT Street Elbow
12-6 SE-SS	SS-12-RSE-6	3/4" Male NPT x 3/8" Female NPT Street Elbow
12-8 SE-SS	SS-12-RSE-8	3/4" Male NPT x 1/2" Female NPT Street Elbow
12-12 SE-SS	SS-12-SE	3/4" Male NPT x 3/8" Female NPT Street Elbow
16-8 SE-SS	SS-16-RSE-8	1" Male NPT x 1/2" Female NPT Street Elbow
16-12 SE-SS	SS-16-RSE-12	1" Male NPT x 3/4" Female NPT Street Elbow
16-16 SE-SS	SS-16-SE	1" Male NPT x 1" Female NPT Street Elbow

Male Tee MT



Part Number	Compatible with	Description
2-2-2 MT-SS	1/8 RRS-SS SS-2-MT	1/8" x 1/8" x 1/8" Male Tee
4-4-4 MT-SS	- SS-4-MT	1/4" Male NPT (3) Male Tee
6-6-6 MT-SS	- SS-6-MT	3/8" Male NPT (3) Male Tee
8-8-8 MT-SS	- SS-8-MT	1/2" Male NPT (3) Male Tee
12-12-12 MT-SS	- SS-12-MT	3/4" Male NPT (3) Male Tee
16-16-16 MT-SS	- SS-16-MT	1" Male NPT (3) Male Tee

Female Tee FT



Part Number	Compatible with	Description
2-2-2 FT-SS	1/8 MMO-SS SS-2-T	1/8" x 1/8" x 1/8" Female Tee
4-4-4 FT-SS	- SS-4-T	1/4" Female NPT (3) Female Tee
6-6-6 FT-SS	- SS-6-T	3/8" Female NPT (3) Female Tee
8-8-8 FT-SS	- SS-8-T	1/2" Female NPT (3) Female Tee
12-12-12 FT-SS	- SS-12-T	3/4" Female NPT (3) Female Tee
16-16-16 FT-SS	- SS-16-T	1" Female NPT (3) Female Tee

Street Tee ST



Part Number	Compatible with	Description
2-2-2 ST-SS	1/8 MRO-SS SS-2-ST	1/8" x 1/8" x 1/8" Street Tee
4-4-4 ST-SS	- SS-4-ST	1/4" Male NPT x 1/4" Female NPT (2) Street Tee
6-6-6 ST-SS	- SS-6-ST	3/8" Male NPT x 3/8" Female NPT (3) Street Tee
8-8-8 ST-SS	- SS-8-ST	1/2" Male NPT x 1/2" Female NPT (3) Street Tee
12-12-12 ST-SS	- SS-12-ST	3/4" Male NPT x 3/4" Female NPT (3) Street Tee
16-16-16 ST-SS	- SS-16-ST	1" Male NPT x 1" Female NPT (3) Street Tee

Male Branch Tee MBT



Part Number	Compatible with	Description
2-2-2 MBT-SS	1/8 MMS-SS SS-2-BT	1/8" x 1/8" x 1/8" Male Branch Tee
4-4-4 MBT-SS	- SS-4-BT	1/4" Male NPT x 1/4" Female NPT (2) Male Branch Tee
6-6-6 MBT-SS	- SS-6-BT	3/8" Male NPT x 3/8" Female NPT (3) Male Branch Tee
8-8-8 MBT-SS	- SS-8-BT	1/2" Male NPT x 1/2" Female NPT (3) Male Branch Tee
12-12-12 MBT-SS	- SS-12-BT	3/4" Male NPT x 3/4" Female NPT (3) Male Branch Tee
16-16-16 MBT-SS	- SS-16-BT	1" Male NPT x 1" Female NPT (3) Male Branch Tee

Female Cross FX



Part Number	Compatible with	Description
2 FX-SS	1/8 KMM00-SS SS-2-CS	1/8" Female Cross
4 FX-SS	- SS-4-CS	1/4" Female NPT (4) Female Cross
6 FX-SS	- SS-6-CS	3/8" Female NPT (4) Female Cross
8 FX-SS	- SS-8-CS	1/2" Female NPT (4) Female Cross
12 FX-SS	- SS-12-CS	3/4" Female NPT (4) Female Cross
16 FX-SS	- SS-16-CS	1" Female NPT (4) Female Cross

Pipe Cap CP



Part Number	Compatible with	Description
2 CP-SS	1/8 HPC-SS SS-2-CP	1/8" NPT Pipe Cap
4 CP-SS	- SS-4-CP	1/4" NPT Pipe Cap
6 CP-SS	- SS-6-CP	3/8" NPT Pipe Cap
8 CP-SS	- SS-8-CP	1/2" NPT Pipe Cap
12 CP-SS	- SS-12-CP	3/4" NPT Pipe Cap
16 CP-SS	- SS-16-CP	1" NPT Pipe Cap

Hex Head Plug PH



Part Number	Compatible with	Description
4 PH-SS	SS-4-P	1/4" NPT Hex Head Plug
6 PH-SS	SS-6-P	3/8" NPT Hex Head Plug
8 PH-SS	SS-8-P	1/2" NPT Hex Head Plug
12 PH-SS	SS-12-P	3/4" NPT Hex Head Plug
16 PH-SS	SS-16-P	1" NPT Hex Head Plug

Hollow Hex Plug PHH



Part Number	Description
1 PHH-SS	1/16" Male NPT Hollow Hex Plug
2 PHH-SS	1/8" Male NPT Hollow Hex Plug
4 PHH-SS	1/4" Male NPT Hollow Hex Plug
6 PHH-SS	3/8" Male NPT Hollow Hex Plug

Male Hex Nipple NPT to BSPP



Part Number	Compatible with	Description
2-2R MHN-SS	2FMK4SS SS-2-HN-2RS	1/8" NPT x 1/8" BSP Taper Male Hex Nipple
4-4R MHN-SS	- SS-4-HN-4RS	1/4" Male NPT x 1/4" BSPP Male Hex Nipple
6-6R MHN-SS	- SS-6-HN-6RS	3/8" Male NPT x 3/8" BSPP Male Hex Nipple
8-8R MHN-SS	- SS-8-HN-8RS	1/2" Male NPT x 1/2" BSPP Male Hex Nipple
12-12R MHN-SS	- SS-12-HN-12RS	3/4" Male NPT x 3/4" BSPP Male Hex Nipple
16-16R MHN-SS	- SS-16-HN-16RS	1" Male NPT x 1" BSPP Male Hex Nipple

Male Hex Nipple NPT to BSPP



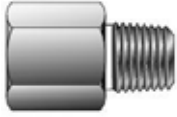
Part Number	Compatible with	Description
2-2 MHLN-SS 1.5	1/8 x 1.5 FFF-SS SS-2-HLN-1.5	1/8" x 1/8" x 1.5" Male Hex Long Nipple
2-2 MHLN-SS 2.0	1/8 x 2.0 FFF-SS SS-2-HLN-2.0	1/8" x 1/8" x 2.0" Male Hex Long Nipple
2-2 MHLN-SS 2.5	1/8 x 2.5 FFF-SS SS-2-HLN-2.5	1/8" x 1/8" x 2.5" Male Hex Long Nipple
2-2 MHLN-SS 3.0	1/8 x 3.0 FFF-SS SS-2-HLN-3.0	1/8" x 1/8" x 3.0" Male Hex Long Nipple
4-4 MHLN-SS 1.5	1/4 x 1.5 FFF-SS SS-4-HLN-1.5	1/4" x 1/4" x 1.5" Male Hex Long Nipple
4-4 MHLN-SS 2.0	1/4 x 2.0 FFF-SS SS-4-HLN-2.0	1/4" x 1/4" x 2.0" Male Hex Long Nipple
4-4 MHLN-SS 2.5	1/4 x 2.5 FFF-SS SS-4-HLN-2.5	1/4" x 1/4" x 2.5" Male Hex Long Nipple
4-4 MHLN-SS 3.0	1/4 x 3.0 FFF-SS SS-4-HLN-3.0	1/4" x 1/4" x 3.0" Male Hex Long Nipple
4-4 MHLN-SS 4.0	1/4 x 4.0 FFF-SS SS-4-HLN-4.0	1/4" x 1/4" x 4.0" Male Hex Long Nipple
6-6 MHLN-SS 2.0	3/8 x 2.0 FFF-SS SS-6-HLN-2.0	3/8" x 3/8" x 2.0" Male Hex Long Nipple
6-6 MHLN-SS 3.0	3/8 x 3.0 FFF-SS SS-6-HLN-3.0	3/8" x 3/8" x 3.0" Male Hex Long Nipple
6-6 MHLN-SS 3.5	3/8 x 3.5 FFF-SS SS-6-HLN-3.5	3/8" x 3/8" x 3.5" Male Hex Long Nipple
6-6 MHLN-SS 4.0	3/8 x 4.0 FFF-SS SS-6-HLN-4.0	3/8" x 3/8" x 4.0" Male Hex Long Nipple
8-8 MHLN-SS 2.0	1/2 x 2.0 FFF-SS SS-8-HLN-2.0	1/2" x 1/2" x 2.0" Male Hex Long Nipple
8-8 MHLN-SS 2.5	1/2 x 2.5 FFF-SS SS-8-HLN-2.5	1/2" x 1/2" x 2.5" Male Hex Long Nipple
8-8 MHLN-SS 3.0	1/2 x 3.0 FFF-SS SS-8-HLN-3.0	1/2" x 1/2" x 3.0" Male Hex Long Nipple
8-8 MHLN-SS 4.0	1/2 x 4.0 FFF-SS SS-8-HLN-4.0	1/2" x 1/2" x 4.0" Male Hex Long Nipple
8-8 MHLN-SS 6.0	1/2 x 6.0 FFF-SS SS-8-HLN-6.0	1/2" x 1/2" x 6.0" Male Hex Long Nipple
12-12 MHLN-SS 3.0	3/4 x 3.0 FFF-SS SS-12-HLN-3.0	3/4" x 3/4" x 3.0" Male Hex Long Nipple
16-16 MHLN-SS 3.0	1 x 3.0 FFF-SS SS-16-HLN-3.0	1" x 1" x 3.0" Male Hex Long Nipple

Female NPT to Male BSPP Adaptor



Part Number	Compatible with	Description
4-4R RA-SS	SS-4-A-4RS	1/4" Female NPT x 1/4" Male BSPP Adaptor
6-6R RA-SS	SS-6-A-6RS	3/8" Female NPT x 3/8" Male BSPP Adaptor
8-8R RA-SS	SS-8-A-8RS	1/2" Female NPT x 1/2" Male BSPP Adaptor
12-12R RA-SS	SS-12-A-12RS	3/4" Female NPT x 3/4" Male BSPP Adaptor
16-16R RA-SS	SS-16-A-16RS	1" Female NPT x 1" Male BSPP Adaptor

Female NPT to Male BSP Taper Adaptor



Part Number	Compatible with	Description
2-2K RA-SS	1/8 x 1/8 F3HG-SS SS-2-A-2RS	1/8" Female NPT x 1/8" Male BSP Taper Adaptor
4-4K RA-SS	1/4 x 1/4 F3HG-SS SS-4-A-4RS	1/4" Female NPT x 1/4" Male BSP Taper Adaptor
6-6K RA-SS	3/8 x 3/8 F3HG-SS SS-6-A-6RS	3/8" Female NPT x 3/8" Male BSP Taper Adaptor
8-8K RA-SS	1/2 x 1/2 F3HG-SS SS-8-A-8RS	1/2" Female NPT x 1/2" Male BSP Taper Adaptor
12-12K RA-SS	3/4 x 3/4 F3HG-SS SS-12-A-12RS	3/4" Female NPT x 3/4" Male BSP Taper Adaptor
16-16K RA-SS	1X1F3HGSS SS-16-A-16RS	1" Female NPT x 1" Male BSP Taper Adaptor

Female BSPP to Male NPT Adaptor



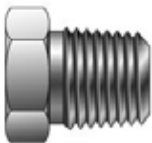
Part Number	Description
4R-4 RA-SS	1/4" Female BSPP x 1/4" Male NPT Adaptor
6R-6 RA-SS	3/8" Female BSPP x 3/8" Male NPT Adaptor
8R-8 RA-SS	1/2" Female BSPP x 1/2" Male NPT Adaptor
12R-12 RA-SS	3/4" Female BSPP x 3/4" Male NPT Adaptor
16R-16 RA-SS	1" Female BSPP x 1" Male NPT Adaptor

BSPP Parallel Male Hex Plug



Part Number	Description
4R PH-SS	1/4" BSPP Parallel Male Hex Plug
6R PH-SS	3/8" BSPP Parallel Male Hex Plug
8R PH-SS	1/2" BSPP Parallel Male Hex Plug
12R PH-SS	3/4" BSPP Parallel Male Hex Plug
16R PH-SS	1" BSPP Parallel Male Hex Plug

BSP Taper Male Hex Pipe Plug



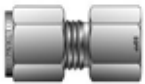
Part Number	Compatible with	Description
2K PH-SS	1/8HP3MSS	1/8"-28 BSP Taper Male Hex Pipe Plug
4K PH-SS	1/4HP3MSS	1/4"-28 BSP Taper Male Hex Pipe Plug
6K PH-SS	3/8HP3MSS	3/8"-28 BSP Taper Male Hex Pipe Plug
8K PH-SS	1/2HP3MSS	1/2"-28 BSP Taper Male Hex Pipe Plug
12K PH-SS	3/4HP3MSS	3/4"-28 BSP Taper Male Hex Pipe Plug
16K PH-SS	1HP3MSS	1"-28 BSP Taper Male Hex Pipe Plug

BSPP Male Connector



Part Number	Compatible with	Description
4MSC4R-316	SS-400-1-4RS	1/4" OD x 1/4" Male BSPP Connector
4MSC6R-316	SS-400-1-6RS	1/4" OD x 3/8" Male BSPP Connector
4MSC8R-316	SS-400-1-8RS	1/4" OD x 1/2" Male BSPP Connector
6MSC4R-316	SS-600-1-6RS	3/8" OD x 1/4" Male BSPP Connector
6MSC6R-316	SS-400-1-4RS	3/8" OD x 3/8" Male BSPP Connector
6MSC8R-316	SS-400-1-4RS	3/8" OD x 1/2" Male BSPP Connector
8MSC4R-316	SS-400-1-4RS	1/2" OD x 1/4" Male BSPP Connector
8MSC6R-316	SS-400-1-4RS	1/2" OD x 3/8" Male BSPP Connector
8MSC8R-316	SS-400-1-4RS	1/2" OD x 1/2" Male BSPP Connector
12MSC8R-316	SS-400-1-4RS	3/4" OD x 1/2" Male BSPP Connector
12MSC12R-316	SS-400-1-4RS	3/4" OD x 3/4" Male BSPP Connector
16MSC8R-316	SS-400-1-4RS	1" OD x 1/2" Male BSPP Connector
16MSC16R-316	SS-400-1-4RS	1" OD x 1" Male BSPP Connector

BSPP Female Gauge Connector



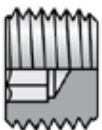
Part Number	Compatible with	Description
4FSC4GC-316	SS-400-7-4RG	1/4" OD x 1/4" Female BSPP Gauge Connector
4FSC6GC-316	SS-400-7-6RG	1/4" OD x 3/8" Female BSPP Gauge Connector
4FSC8GC-316	SS-400-7-8RG	1/4" OD x 1/2" Female BSPP Gauge Connector
6FSC4GC-316	SS-600-7-4RG	3/8" OD x 1/4" Female BSPP Gauge Connector
6FSC6GC-316	SS-600-7-6RG	3/8" OD x 3/8" Female BSPP Gauge Connector
6FSC8GC-316	SS-600-7-8RG	3/8" OD x 1/2" Female BSPP Gauge Connector
8FSC6GC-316	SS-810-7-6RG	1/2" OD x 3/8" Female BSPP Gauge Connector
8FSC8GC-316	SS-810-7-8RG	1/2" OD x 1/2" Female BSPP Gauge Connector

NPT Male Hex Nipple



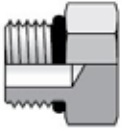
Part Number	Compatible with	Description
1/4 FF-SS	4-4 MHN-SS	1/4" NPT x 1/4" NPT Male Hex Nipple
3/8 FF-SS	6-6 MHN-SS	3/8" NPT x 3/8" NPT Male Hex Nipple
1/2 FF-SS	8-8 MHN-SS	1/2" NPT x 1/2" NPT Male Hex Nipple
3/4 FF-SS	12-12 MHN-SS	3/4" NPT x 3/4" NPT Male Hex Nipple
1 FF-SS	16-16 MHN-SS	1" NPT x 1" NPT Male Hex Nipple

Male NPT Hollow Hex Plug



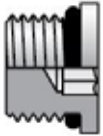
Part Number	Compatible with	Description
1/8 HHP-SS	2 PHH-SS	1/8" Male NPT Hollow Hex Plug
1/4 HHP-SS	4 PHH-SS	1/4" Male NPT Hollow Hex Plug
3/8 HHP-SS	6 PHH-SS	3/8" Male NPT Hollow Hex Plug
1/2 HHP-SS	8 PHH-SS	1/2" Male NPT Hollow Hex Plug
3/4 HHP-SS	12 PHH-SS	3/4" Male NPT Hollow Hex Plug
1 HHP-SS	16 PHH-SS	1" Male NPT Hollow Hex Plug

SAE-ORB Hex Head Plug



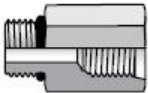
Part Number	Description
2 P50N-SS	1/8" SAE-ORB Hex Head Plug
4 P50N-SS	1/4" SAE-ORB Hex Head Plug
6 P50N-SS	3/8" SAE-ORB Hex Head Plug
8 P50N-SS	1/2" SAE-ORB Hex Head Plug
10 P50N-SS	5/8" SAE-ORB Hex Head Plug
12 P50N-SS	3/4" SAE-ORB Hex Head Plug
16 P50N-SS	1" SAE-ORB Hex Head Plug

SAE-ORB Hollow Hex Plug



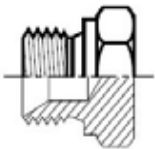
Part Number	Description
2 HP50N-SS	1/8" SAE-ORB Hollow Hex Plug
4 HP50N-SS	1/4" SAE-ORB Hollow Hex Plug
6 HP50N-SS	3/8" SAE-ORB Hollow Hex Plug
8 HP50N-SS	1/2" SAE-ORB Hollow Hex Plug
10 HP50N-SS	5/8" SAE-ORB Hollow Hex Plug
12 HP50N-SS	3/4" SAE-ORB Hollow Hex Plug
16 HP50N-SS	1" SAE-ORB Hollow Hex Plug

SAE-ORB Straight Reducer and NPT Female Adapter



Part Number	Description
6-4 F50G5-SS	3/8" x 1/4" SAE-ORB Straight Reducer
8-4 F50G5-SS	1/2" x 1/4" SAE-ORB Straight Reducer
12-8 F50G5-SS	3/4" x 1/2" SAE-ORB Straight Reducer
16-12 F50G5-SS	1" x 3/4" SAE-ORB Straight Reducer
4-1/4 F50G-SS	1/4" SAE-ORB x 1/4" NPT Female Adapter
6-3/8 F50G-SS	3/8" SAE-ORB x 3/8" NPT Female Adapter
8-1/2 F50G-SS	1/2" SAE-ORB x 1/2" NPT Female Adapter
12-3/4 F50G-SS	3/4" SAE-ORB x 3/4" NPT Female Adapter
16-1 F50G-SS	1" SAE-ORB x 1" NPT Female Adapter

BSPP Parallel Male Hex Plug



Part Number	Compatible with	Description
2PNMK4SS	2R PH-SS	1/8" BSPP Parallel Male Hex Plug
4PNMK4SS	4R PH-SS	1/4" BSPP Parallel Male Hex Plug
6PNMK4SS	6R PH-SS	3/8" BSPP Parallel Male Hex Plug
8PNMK4SS	8R PH-SS	1/2" BSPP Parallel Male Hex Plug
12PNMK4SS	12R PH-SS	3/4" BSPP Parallel Male Hex Plug
16PNMK4SS	16R PH-SS	1" BSPP Parallel Male Hex Plug



Tooling & Accessories



- | Locking Clamp 236
- | Gauge Set 236
- | Tube Bending Tool 237
- | Parker Tracking System 238 - 239

For more product offerings, please refer to:



Parker Tracking system

8 WireFree Compression Fitting Locking Clamp



Part Number	Description
WF-4HZ-6MO	Wirefree for 1/4" A-Lok Union - 6MO
WF-6HZ-6MO	Wirefree for 3/8" A-Lok Union - 6MO
WF-8HZ-6MO	Wirefree for 1/2" A-Lok Union - 6MO
WF-4EZ-6MO	Wirefree for 1/4" A-Lok Elbow - 6MO
WF-6EZ-6MO	Wirefree for 3/8" A-Lok Elbow - 6MO
WF-8EZ-6MO	Wirefree for 1/2" A-Lok Elbow - 6MO

Gauge set



Part Number	Tube Size	
	Inch	Metric
4 Gap Gauge	1/4	6
6 Gap Gauge	3/8	-
M10 Gap Gauge	-	10
8 Gap Gauge	1/2	12
12 Gap Gauge	3/4	18
16 Gap Gauge	1	25

Tube Cutting Tool



Part Number	Description
PT-C-1010	Parker PTC tube cutter for 1/8" to 1-1/8" & 4mm to 28mm OD tubing

Tube Deburring Tool



Part Number	Description
PT-D	Inner-Outer Reaming and Deburring tool, for 3/16" to 1-1/2" OD tubing

PHinder Liquid Leak Detector



Part Number	Description
PHINDER-80ZSTD-12CASE	Case of 12 bottles of 8 oz Regular service Phinder

TOOLING & ACCESSORIES

Preassembly Tool



Part Number	Description
4 HAND PRESET TOOL	How To Use: Slide nut and ferrule(s) onto tube. Set tube into presetting tool, and bottom tube against shoulder tool. Finger tighten the nut and then tighten the nut 1 turn with a wrench. Remove tube from tool. Advance the nut so it is finger-tight. Advance the nut 1/2 turn. If torque rise is not felt in 1/4 turn, turn the nut to torque rise, loosen the nut to finger-tight, and makeup nut 1/2 turn.
6 HAND PRESET TOOL	
8 HAND PRESET TOOL	

Description:	<ul style="list-style-type: none"> Parker PTB heavy duty 180° tube bender with unique indexing handle allowing the making of tight bends. For 1/4" to 1/2" and 6 mm to 12 mm.
Advantages:	<ul style="list-style-type: none"> Rollers in the bending handle reduce friction and bending effort. Accurate and tight bends up to 180° in stainless steel and other tougher metals. Comfortable and durable ergonomically molded cushion grips.

Parker PTB heavy duty 180° tube bender with unique indexing handle



Part Number	Tube Outside Diameter	
	inch	mm
PTB-4T	1/4	-
PTB-6T	3/8	-
PTB-8T	1/2	-
PTB-6M	-	6
PTB-8M	-	8
PTB-10M	-	10
PTB-12M	-	12

The Parker Tracking System (PTS)

Global asset tagging and identification system.



PTS helps customers reduce equipment and machinery downtime by increasing the speed, timing and accuracy of acquiring replacements. Using a web-based application, PTS generates a unique identification code for each hose assembly which is printed on a durable barcode or RFID label.

PTS equipment is easy to own and operate



PTS is an advanced global tagging and tracking solution already being deployed on OEM machinery and mobile equipment in dozens of countries.

PTS can eliminate hours of costly equipment downtime, helping customers achieve greater productivity and profitability.



The Parker Tracking System is a unique and valuable service available exclusively for Parker customers.

The Parker Tracking System (PTS) is a unique and valuable service available exclusively for Parker customers. PTS reduces vehicle or asset downtime by increasing the speed, timing and accuracy of necessary hose assembly replacements.

Using a secure Web-based application, PTS generates a unique identification code for each hose assembly which is printed on an ultra-durable barcode or RFID label.

PTS labels are specifically engineered to withstand harsh chemicals, temperatures, UV exposure and other challenging conditions.

Why use PTS:

- Capture, record and recall unique

hose assembly information – on demand.

- Receive fast and accurate product identification to speed replacement, regardless of where the original assembly was made.
- Hose assemblies can be replaced with only the PTS ID number, eliminating the need to remove hoses prior to replacement, providing critical machine uptime and enabling a more conveniently scheduled repair.
- Reporting tools assist in continuous improvement programs and preventative maintenance initiatives.

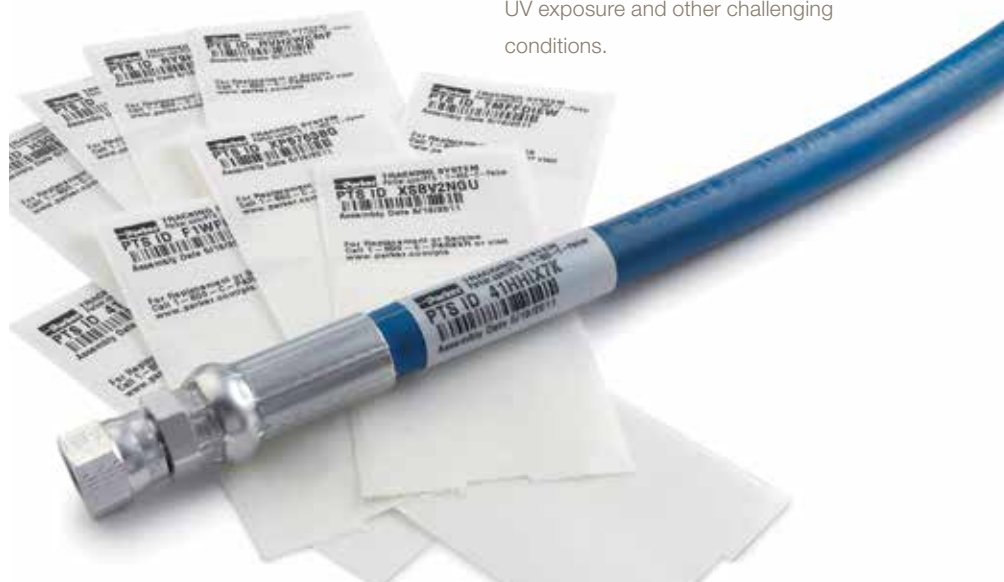
Save valuable time with PTS.



How PTS Works:

- PTS labels are customized with specific assembly information and attached to the hose when the assembly is made.
- When the assembly requires replacement, simply call your local distributor with your PTS number.
- The distributor can create an exact replacement of your hose assembly and either ship it to you or have it ready to pick up once you arrive. Distributors can also scan your hose label in-store.
- Data is collected about your failure which may help us in recommending different components or accessories designed to get the most from your machine or equipment.

PTS labels are specifically engineered to withstand harsh chemicals, temperatures, UV exposure and other challenging conditions.



Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker.

Aerospace



Key Markets

Aftermarket Services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes

Climate Control



Key Markets

Agriculture
Air conditioning
Construction
Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO2 controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves

Hydraulics



Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors

Pneumatics



Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors

Process Control



Key Markets

Alternative fuels
Biopharmaceuticals
Chemical & refining
Food & beverage
Marine & shipbuilding
Medical & dental
Microelectronics
Nuclear Power
Offshore oil exploration
Oil & gas
Pharmaceuticals
Power generation
Pulp & paper
Steel
Water/wastewater

Key Products

Analytical Instruments
Analytical sample conditioning products & systems
Chemical injection fittings & valves
Fluoropolymer chemical delivery fittings, valves & pumps
High purity gas delivery fittings, valves, regulators & digital flow controllers
Industrial mass flow meters/controllers
Permanent no-weld tube fittings
Precision industrial regulators & flow controllers
Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves

Electromechanical



Key Markets

Aerospace
Factory automation
Life science & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products

AC/DC drives & systems
Electric actuators, gantry robots & slides
Electrohydraulic actuation systems
Electromechanical actuation systems
Human machine interface
Linear motors
Stepper motors, servo motors, drives & controls
Structural extrusions

Filtration



Key Markets

Aerospace
Food & beverage
Industrial plant & equipment
Life sciences
Marine
Mobile equipment
Oil & gas
Power generation & renewable energy
Process
Transportation
Water Purification

Key Products

Analytical gas generators
Compressed air filters & dryers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero air generators
Instrumentation filters
Membrane & fiber filters
Microfiltration
Sterile air filtration
Water desalination & purification filters

Sealing & Shielding



Key Markets

Aerospace
Chemical processing
Consumer
Fluid power
General industrial
Information technology
Life sciences
Microelectronics
Military
Oil & gas
Power generation
Renewable energy
Telecommunications
Transportation

Key Products

Dynamic seals
Elastomeric o-rings
Electro-medical instrument design & assembly
EMI shielding
Extruded & precision-cut, fabricated elastomeric seals
High temperature metal seals
Homogeneous & inserted elastomeric shapes
Medical device fabrication & assembly
Metal & plastic retained composite seals
Shielded optical windows
Silicone tubing & extrusions
Thermal management
Vibration dampening

Fluid & Gas Handling



Key Markets

Aerial lift
Agriculture
Bulk chemical handling
Construction machinery
Food & beverage
Fuel & gas delivery
Industrial machinery
Life sciences
Marine
Mining
Mobile
Oil & gas
Renewable energy
Transportation

Key Products

Check valves
Connectors for low pressure fluid conveyance
Deep sea umbilicals
Diagnostic equipment
Hose couplings
Industrial hose
Mooring systems & power cables
PTFE hose & tubing
Quick couplings
Rubber & thermoplastic hose
Tube fittings & adapters
Tubing & plastic fittings

REGIONAL HEAD OFFICE (ASEAN & AUSTRALASIA) *Please contact us for more information*



PARKER HANNIFIN SINGAPORE PTE LTD



PARKER HANNIFIN PHILIPPINES

No. 11, Fourth Chin Bee Road,
Singapore 619702,
SINGAPORE

Ph : + 65 6887 6168

Fax : + 65 6265 5125



PARKER HANNIFIN INDUSTRIAL MALAYSIA



PARKER HANNIFIN BRUNEI

No. 11, Persiaran Pasak Bumi,
Seksyen U8, Bukit Jelutong Industrial Park,
40150 Shah Alam, Selangor,
MALAYSIA

Ph : + 60 3 7849 0868

Fax : + 60 3 7872 4348



P.T. PARKER HANNIFIN INDONESIA

Techno Park Block G3/16 BSD (Bumi Serpong Damai),
Tangerang 15314,
INDONESIA

Ph : + 62 21 2977 7968

Fax : + 62 21 7588 1907



PARKER HANNIFIN THAILAND CO., LTD.



PARKER HANNIFIN CAMBODIA



PARKER HANNIFIN LAOS



PARKER HANNIFIN MYANMAR

1265 Rama 9 Road
Suanluang, 10250
Bangkok,
THAILAND

Ph : +66 2186 7000

Fax : +66 2374 1645



PARKER HANNIFIN VIETNAM CO., LTD

Floor 4, VRG Office Building
177 Hai Ba Trung street, District 3,
Ho Chi Minh City
VIETNAM

Ph : +84 (0) 3822 2420

Fax : + 84 (0) 3822 2405



PARKER HANNIFIN (AUSTRALIA) PTY LIMITED.

9 Carrington Road
Castle Hill
NSW
Australia
2154

Ph: +61 (0) 2 9842 5150

Fax: +61 (0) 2 9842 5111



PARKER HANNIFIN (NZ) LTD

5 Bowden Road
Mt. Wellington
Auckland
New Zealand
1060

Ph : +64 (0) 9574 1744

Fax : +64 (0) 9573 0207

For more enquiry, please go to :
<http://solutions.parker.com/asean-enquiry>

