

Shut-Off Valves and Adapters for Compressors, Receivers and Tubing

Features

- Double port design
- Steel brazed valves with ground-coat protection (double layer Cu-Sn plating)
- Rotalock valves offer easy installation on hermetic Compressors and Receivers
- Minimal pressure drop due to optimized flow characteristic
- 100% internally and externally leaktested
- Heavy duty Poca Seal Cap avoids refrigerant loss
- Low profile flat shape on the flanged types
- High temperature resistant packing allows easy brazing (even without additional cooling)
- Standards: PED, EN 12284

Options

- Up to three 1/4" SAE male - 7/16" UNF Flare connections in various configurations



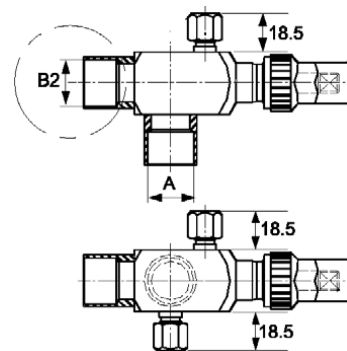
Technical Data

Max. operating pressure PS	31 bar/TS -10°C ... 140°C 23 bar/TS -40°C bis 140°C
Test pressure PT	39 bar
Burst pressure	175 bar
Medium temperature TS	-40 to 140 °C
Ambient/transport temperature	-40 to 70 °C
External Leak Rate	max. 3 g/year
Compatibility	HFC, HCFC, Mineral-, Synthetic- and POE lubricants

Housing	Steel (11SMnPb30 per EN 10277), protection Cu-Sn double layer plating, Poca Seal Cap, Brass cap on gauge connection
Installation	Non position sensitive High silver content brazing material is recommended (Note: After brazing the valve and joint should be painted or otherwise protected to prevent corrosion)
Standards	EN 12284, PED 97/23 EC

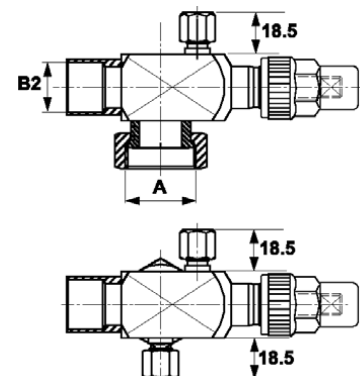
Angle-Design - Solder (ODF)

Type	Part No.	A ODF	B2 ODF	Gauge connection
SW2-MM1	146 134 03	16mm-5/8"	16mm-5/8"	top
SW3-JJ1	162 003 03	18mm	18mm	top
SW3-KK1	162 004 03	3/4"	3/4"	top
SW3-NN1	162 002 03	22mm-7/8"	22mm-7/8"	top
SW3-PP1	162 007 03	28mm	28mm	top
SW3-OO1	162 008 03	1-1/8"	1-1/8"	top
SW4-OO1	170 052 03	1-1/8"	1-1/8"	top
SW4-QQ1	170 058 03	35mm-1-3/8"	35mm-1-3/8"	top
SW6-RR1	228 002 01	1-5/8"	1-5/8"	top
SW6-SS1	228 004 01	42mm	42mm	top
SW6-881	228 006 01	54mm-2-1/8"	54mm-2-1/8"	top



Rotalock-Design - Solder (ODF)

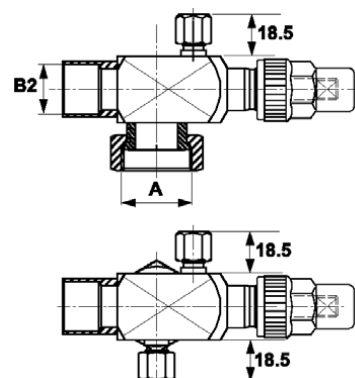
Type	Part No.	A ODF	B2 ODF	Gauge connection	By-Pass
SR1-VC1	157 034 03	3/4"-16 UNF	3/8"	top	-
SR1-VD1	157 032 03		10mm	top	-
SR1-WC1	157 030 03	1"-14 UNS	3/8"	top	-
SR1-WD1	157 033 03		10mm	top	-
SR1-WC4	157 029 03		3/8"	right	left
SR1-WG1	157 020 03		12mm	top	-
SR1-WF1	157 022 03		1/2"	top	-
SR1-WF4	157 023 03		1/2"	right	left
SR2-WW2	153 106 88			right	
SR2-WM1	153 038 03		16mm-5/8"	top	-
SR2-WM4	153 119 03		16mm-5/8"	right	left



For gaskets see page 148; other spareparts see page 152.

Rotalock-Design- Solder (ODF)

Type	Part No.	A ODF	B2 ODF	Gauge Connect.	By- Pass
SR2-XM4	176 109 03	1-1/4"-12 UNF	16mm-5/8"	right	left
SR3-XJ1	160 004 03		18mm	top	-
SR3-XK1	160 005 03		3/4"	top	-
SR3-XN1	160 001 03		22mm-7/8"	top	-
SR3-XP1	160 002 03	1-1/4"-12 UNF	28mm	top	-
SR3-XO1	160 003 03		1-1/8"	top	-
SR3-XK3	160 020 03		3/4"	left	-
SR3-XK4	160 039 03		3/4"	right	left
SR3-XN3	160 021 03		22mm-7/8"	left	-
SR3-XN4	160 037 03		22mm-7/8"	right	left
SR3-XJ4	160 040 03		18 mm	right	left
SR3-XO3	160 024 03		1-1/8"	left	-
SR3-XO4	160 038 03		1-1/8"	right	left
SR4-YY2	170 040 01			right	
SR4-YN1	170 041 03		22mm-7/8"	top	-
SR4-YP1	170 046 03		28mm	top	-
SR4-YO1	170 051 03	1-3/4"-12 UNF	1-1/8"	top	-
SR4-YQ1	170 056 03		35mm-1-3/8"	top	-
SR4-YN2	170 135 03		22mm-7/8"	right	-
SR3-YN4	160 041 03		22mm-7/8"	right	left
SR4-YO2	170 138 03		1-1/8"	right	-
SR4-YO4	170 167 03		1-1/8"	right	left
SR4-YP2	170 169 03		28 mm	right	-
SR4-YQ2	170 139 03		35mm-1-3/8"	right	-
SR4-YR1	170 140 03		1-5/8"	top	-
SR4-YQ4	170 170 03		35mm-1-3/8"	right	left
SR4-YS1	170 141 03		42mm	top	-
SR6-ZR1	227 002 01	2-1/4"-12 UN	1-5/8"	top	-
SR6-ZS1	227 004 01		42mm	top	-
SR6-ZQ1	227 005 01		1-3/8"	top	-
SR6-Z81	227 006 01		2-1/8"	top	-



Rotalock Valve Sets for Selected Compressors

Type	Part No.	Disch. Valve (Thread) Tube Conn. * (ODF)	Suct. Valve (Thread) Tube Conn. * (ODF)	Manufacturer	Compressor Type
S23-MN4	400 001 21	1"-14 UNS 16mm-5/8"	1-1/4"-12 UNF 22mm-7/8"	Copeland Scroll	ZF 06-18, ZS 15-45, ZB 15-45, ZR 18-72
				Maneuroppe	MT(Z) 32-40, LT(Z) 22-28
				L'Unité/Tecumseh	(T)FH 45xx, (T)FH 2480Z, (T)FH 2511Z
				Bitzer	ESM(L) 208-417Y
S33-KN4	400 001 28	1-1/4"-12 UNF 19mm-3/4"	1-1/4"-12 UNF 22mm-7/8"	Copeland Scroll	ZR 81
				L'Unité/Tecumseh	TAG4546Z, TAG 4553Z, TAG4528Y, TAG4534Y, TAG 2516Z
S34-KO5	400 001 22	1-1/4"-12 UNF 19mm-3/4"	1-3/4"-12 UNF 1-1/8"	Copeland Scroll	ZF 24, ZS 56, ZB 56, ZR 90
				Maneuroppe	MT(Z) 44160, LT(Z) 40-100, SM/SZ 110/125
				L'Unité/Tecumseh	TAN
S34-NQ5	400 001 20	1-1/4"-12 UNF 22mm-7/8"	1-3/4"-12 UNF 35mm-1-3/8"	Copeland Scroll	ZF 33-40, ZS 75-92, ZB 75-92, ZR 12-16
				Maneuroppe	MT(Z) 100-160
				Bitzer	ESM(L) 629Y+636Y
S34-KQ5	400 001 29	1-1/4"-12 UNF 19mm-3/4"	1-3/4"-12 UNF 35mm-1-3/8"	Copeland Scroll	ZR 11
				Bitzer	ESM(L) 622Y
S45-OS9	400 001 30	1-3/4"-12 UNF 1-1/8"	2-1/4"-12 UN 42mm	Copeland Scroll	ZF 48, ZS 11, ZB 11, ZR 19
				Maneuroppe	SZ 160-185, Bitzer ESM(L) 642Y
S45-QS9	400 001 31	1-3/4"-12 UNF 35mm-1-3/8"	2-1/4"-12 UN 42 mm	Copeland Scroll	ZR 250

* Tube connection size can vary from the recommendation by the specific Manufacturer