

VSLDSMFR – DRUVA® PUR SHUT-OFF VALVE

VALVE | PURE LINE (STAINLESS STEEL) | 20 m³ SERIES | DIAPHRAGM SHUT-OFF VALVE
| MANUAL ACTUATION | 4-PORT VERSION – 1X IN | 3X OUT



4-port metal diaphragm shut-off valve is used in supply systems for pure, inert, flammable, oxidizing gases and gas mixtures. This stainless steel version valve is also usable for corrosive and toxic gases and gas mixtures. Maximum gas purity is 6.0.

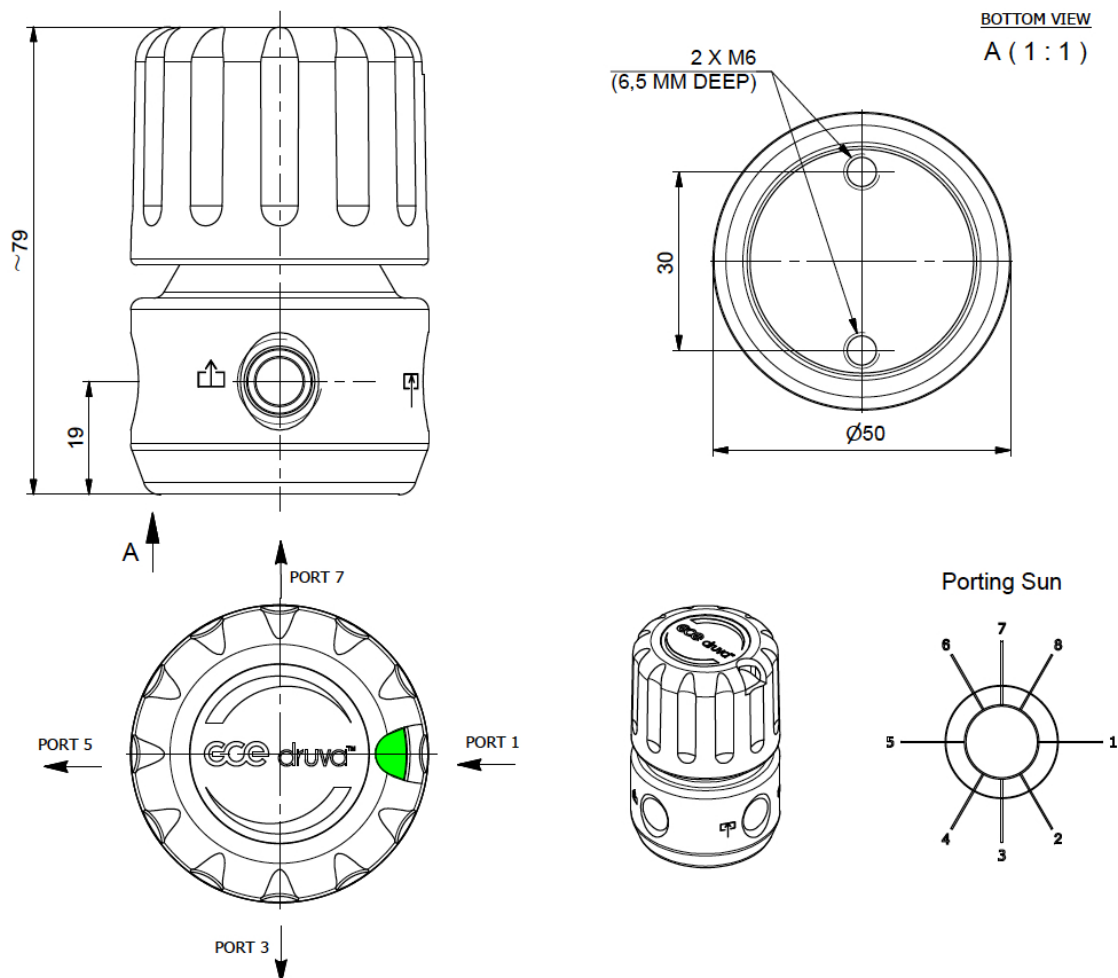


SPECIAL FEATURES:

- > Hastelloy / Elgiloy diaphragm tightening system to atmosphere
- > Compact design
- > Designed and approved in accordance with relevant sections of ISO 10297:2015
- > Electrostatic chargeability test
 - Fulfills requirements according to ISO 80079-36; IEC TS 60079-32-1 and German TRGS 727
 - Usable in EX- areas zones 1 and 2 for gases with explosion risk group I; IIA; IIB; IIC

TECHNICAL DATA	
Working temperature:	-20 °C to +60 °C
Inlet / outlet ports:	1/4" NPT female Further connections – see technical drawing
Max. working pressure:	300 bar
Cv-value:	0,25
Seat diameter:	5 mm
Leakage rate seat:	<5x10 ⁻⁶ mbar l/s (Helium)
Leakage rate outside:	<1x10 ⁻⁹ mbar l/s (Helium)
Filter	1x for each inlet 1x for each outlet
Weight:	0,63 kg
Material gas wettet parts:	
Valve body:	Stainless Steel
Valve diaphragm:	1x Hastelloy + 1x Elgiloy
Valve seat:	PCTFE
Valve poppet:	Stainless Steel
Test in production:	Pressure test with Helium of each item
	Seat leakage test with Helium of each item
	Helium leak test of each valve against atmosphere
	Test of functionality of each item
Approvals during development:	Type test in accordance with ISO 10297:2015
	Electrostatic chargeability test
	<ul style="list-style-type: none"> • Fulfills requirements according ISO 80079-36, IEC TS 60079-32-1 and German TRGS 727 • Usable in EX-areas zones 1 and 2 for gases with explosion risk group I, IIA, IIB, IIC

TECHNICAL DRAWING



N14F - NPT1/4" female
 0001 - Plugged (not for Port 1)
 M03S - Compression Fitting ø 3 MM SST
 M06S - Compression Fitting ø 6 MM SST
 M08S - Compression Fitting ø 8 MM SST
 M10S - Compression Fitting ø 10 MM SST
 M12S - Compression Fitting ø 12 MM SST

IX2S - Compression Fitting ø 1/8" SST
 IX4S - Compression Fitting ø 1/4" SST
 IX6S - Compression Fitting ø 3/8" SST
 IX8S - Compression Fitting ø 1/2" SST

ORDER CODE:

Example for a Valve | PUR Linie | Stainless Steel | Low Flow | Diaphragm Shut-off Valve | Manual Actuation | 4-Port Version | 3xOut

VSL	DS	M	FR	GX	N14F (1/4" NPT female)	0001	N14F (1/4" NPT female)	0001
	Type	Actuation	Port Code	Working Pressure (bar)	Connection Port 1	Connection Port 3	Connection Port 5	Connection Port 7
	DS Diaphragm Shut-off Valve	M Manual	FR 4-Port (1 In 3 Out 5 Out 7 Out)	GX 300	possible connection see technical drawing	0001 plugged	possible connection	0001 plugged
							see technical drawing	

Order code (as described above) without special characters or spaces! Complete Order Code **VSLDSMFRGXN14F0001N14F0001**

