METAL DIAPHRAGM SHUTT OFF VALVE FOR USING IN INDUSTRIAL GAS SUPPLY SYSTEMS - VTLF - LOW FLOW RANGE

4-port valve 1 x inlet; 3 x outlet



4-port metal diaphragm shut off valve used in supply sytems for industrial, inert, flammable, oxidizing gases and gas mixtures. Not usable for corrosive or toxic gases and gas mixtures.

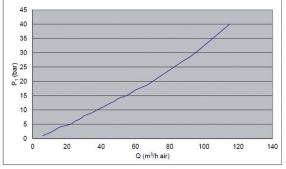


SPECIAL FEATURES:

- > Metal diaphragm valve
- > Compact design
- > Designed and approved in accordance with relevant sections of EN ISO 10297:2015
- > O2- ignitation test regading EN ISO 10297 for main shut off valve
- > Electrostatic chargeability test
 - fulfill requirements according DIN EN ISO 80070-36; 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:	NPT 1/4" female
Max. working pressure:	300 bar
Kv-value:	0,25
Seat diameter:	5 mm
Leakage rate seat:	less than 6 cm ³ /h (20°C; 1,013 bar absolut) Compressed Air
Leakage rate outside:	less than 6 cm ³ /h (20°C; 1,013 bar absolut) Compressed Air
Filter inlet:	100 μm mesh
Filter outlet ports:	100 μm mesh
Mounting holes:	M6
Weight:	0,62 kg
Material gas wetted parts:	
Valve body:	BRASS (2.0401.26)
Valve diaphragm:	1 × Hastelloy (2.4819), 1 x Elgiloy (2.4711)
Valve seat:	PCTFE
Valve popet:	BRASS (2.0401.26)
Tests in production:	Pressure test with dry air (ISO 8573 [1:2:2]) of each item
	Seat leakage test with dry air (ISO 8573 [1:2:2]) of each item
	Test of functionality of each item
Approvals during development:	Type test accordance with relevant sections of EN ISO 10297:2015
	O2 ignition test regarding EN ISO 10297 for main shut of valve
	Electrostatic chargeability test
	- fulfill requirements according DIN EN ISO 80070-36; 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

FLOW CHART- FLOW VERSUS PRESSURE DROP:



DRAWINGS

