

Multifunction Valve with Push-in Connectors


„All-in-One“ anti-vacuum membrane valve and over-pressure valve for your hot and cold applications

Special Features:

- Extra connections for e.g. pressure, temperature or flow rate monitoring
- ELSA Push-in cartridges by AVS-Römer for a quick and tool-free assembly
- Easy internal cleaning through quick release system
- Compact built

Application Fields:

- Food and Beverage Industry e.g. Full automatic coffee machines
- Medical and Pharma Devices e.g. Autoclave

Characteristics:



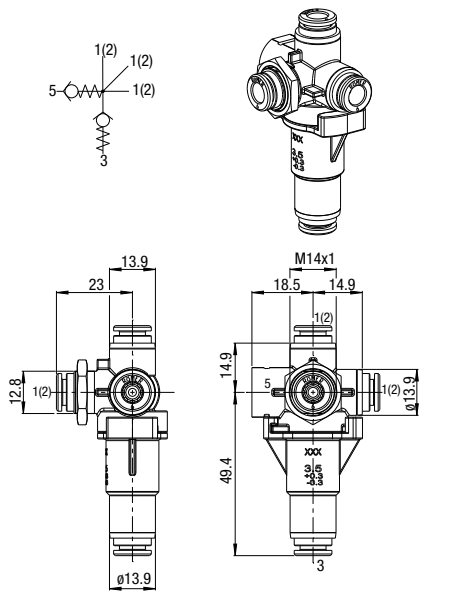
- Suitable for fluids and gases
- Valve body made of high-quality plastics
- Minimal heat loss
- Light weight
- Operating temperature up to 284 F (140°C)
- Operating pressure up to 87 psi (6 bar)
- Nominal diameter: 4 mm
- Connection sizes: Outside diameter 6
- FDA compliant materials
- NSF 169 certified

Function:

By an under pressure in the system the anti-vacuum membrane opens and allows air into the system.
By an over pressure in the system the over pressure valve will open and release the ascensive pressure. The opening pressure can be adjusted to your requirements in a certain way.


CHARACTERISTICS
BODY MATERIAL / SUITABILITY

Plastic PPSU	Polyphenylsulfone. Suitable for many aggressive media with temperatures up to 140 °C (hot water, steam). Can be used with FDA-compliant FKM sealing rings or FDA-compliant and KTW-approved EPDM sealing rings in the food and pharmaceutical industries. Caution! PPSU should not be used in contact with aromatic hydrocarbons, oxidising acids, acetone, chlorinated hydrocarbons, ethers or ketones! Also, PPSU should not be placed directly in contact with anaerobic adhesives!
Other materials	see relevant products
Approval	NSF/ANSI 169
TUBE	
Outside diameter [mm]	6
Perm. tolerance [mm]	±0.1
Permitted grade	Polyamide (PA), polyurethane (PU), fluorine polymer (FEP and PFA)
GENERAL	
Constructional design	Pressure relief valve with anti-vacuum function
Applications	Neutral gaseous or fluids
Product name	Multifunktion valve
Ambient temperature	0 °C to +60 °C
Medium temperature	0 °C to +140 °C
Body material	PPSU
Sealing material	EPDM
Release ring	PPSU yellow
PNEUMATIC - HYDRAULIC	
Nominal pressure [bar]	PN 6
Pressure range	0 - 6 bar
Medium	Gases or liquids which do not corrode the materials specified

Multifunction Valve							Illustration		
Price group	23		Constr. design: Pressure relief valve with anti-vacuum	Max. allow. OP at ambient temp. Tmin 0 °C, Tmax +60 °C		Plastic PPSU			
Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)			This pressure relief valve is not approved as a safety valve!						
for tube AD	DN	opening pressure [air]	Weight in [g]	Type	Order number	Price			
6	4	3.5	27.0 g	MFV-984-P340-6PF-035	499129	o. r.			