

Pressure Relief Valves with Push-in Connectors



AVS Römer function fittings, i.e., filters, non-return valves, throttles, quick-release couplings... in combination with the Established **ELSA push-in connectors** by AVS-Römer.

Application

AVS Römer function fittings are used in a variety of neutral gaseous and liquid media. If the fitting materials are suitable, application with aggressive media is permitted. See also the information on characteristics.

CHARACTERISTICS

BODY MATERIAL / SUITABILITY

Stainless steel AISI 316L	Corresponds to 1.4404 stainless steel . Suitable for many aggressive media, in particular at higher pressures.	
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]	4 and 6	
Perm. tolerance [mm]	±0.1	
Permitted grade	Polyamide (PA), polyurethane (PU), fluorine polymer (FEP and PFA)	
THREAD		
External thread	"G" cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8-G 1/4	
OPERATING PRESSURE / TEMPERATURE		
Plastic version	Max. Operating pressure OP at the stated ambient temp. and medium temp. according to table	Means that the permissible operating pressure OP also depends on the average temperature within the permissible ambient temperature according to the table.
Allowable operating pressure and operating temperature of pipe/tube must be observed!		
THREAD SEAL		
Cylindrical threaded nipple	Thread sealed by a FKM O-Ring in recess	applies to all cylindrical threaded nipples

Pressure Relief Valve

 Price group **23**


Constr. design: Pressure relief valve

 Max. allow. OP at ambient temp.
 $T_{min} 0\text{ °C}$, $T_{max} +60\text{ °C}$

Plastic PPSU

Material: Body: PPSU, spring: Stainless steel 1.4310, contact with the medium internals: Stainless steel 1.4404; seal: FKM (FDA-compliant)

This pressure relief valve is not approved as a safety valve!

for tube AD	for tube BD	DN	Max. allow. OP [bar] at medium temp.			L	opening pressure [air]	Weight in [g]	Type	Order number	Price
			20 °C	100 °C	140 °C						
4	6	2.5	6	6	6	37.8	3	27	UDV-982P3-6-4PF-030	499101	o. r.
4	6	2.5	10	10	10	37.8	6	27	UDV-982P3-6-4PF-060	499102	o. r.
4	6	2.5	14	12	10	37.8	10	26.9	UDV-982P3-6-4PF-100	499103	o. r.
6	6	2.5	6	6	6	38.8	3	26.3	UDV-982P3-6PF-030	499104	o. r.
6	6	2.5	10	10	10	38.8	6	28	UDV-982P3-6PF-060	499105	o. r.
6	6	2.5	14	12	10	38.8	10	26.7	UDV-982P3-6PF-100	499106	o. r.

Illustration
