

Quick Coupling 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) | |
| 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! | | |

Quick Coupling with Push-in Connectors - int. NRV

 Price group **23**

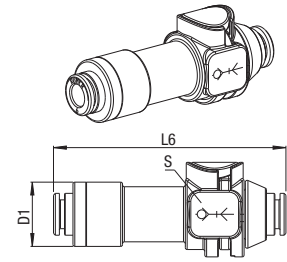
 Max. allow. OP at ambient temp.
 $T_{min} 0\text{ °C}, T_{max} +60\text{ °C}$

Plastic PPSU

Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)

Constr. design: Quick-release coupling with single-sided integrated non-return valve

| DN | KV value water [m³/h] | for tube D | Max. allow. OP [bar] at medium temp. | | | L6 | D1 | S | Weight in [g] | Type | Order number | Price |
|-----|-----------------------|------------|--------------------------------------|--------|--------|------|------|----|---------------|------------------|--------------|-------|
| | | | 20 °C | 100 °C | 140 °C | | | | | | | |
| 2.5 | 0.16 | 4 | 12 | 8 | 4 | 62.3 | 17.5 | 20 | 18.4 | SVK-958-P325-4FF | 359320 | o. r. |
| 4 | 0.35 | 6 | 12 | 8 | 4 | 63.1 | 17.5 | 20 | 18.3 | SVK-958-P340-6FF | 359321 | o. r. |

Illustration

Bulkhead Quick Coupling with Push-in Connectors, int. NRV

 Price group **23**

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

Plastic PPSU

Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)

Constr. design: Schott quick-release coupling with single-sided integrated non-return valve

| DN | KV value water [m³/h] | for tube D | Max. allow. OP [bar] at medium temp. | | | L6 | M | D1 | S | S2 | S3 | Weight in [g] | Type | Order number | Price |
|-----|-----------------------|------------|--------------------------------------|--------|--------|------|-------|------|----|----|----|---------------|------------------|--------------|-------|
| | | | 20 °C | 100 °C | 140 °C | | | | | | | | | | |
| 2.5 | 0.16 | 4 | 12 | 8 | 4 | 65.3 | M18x1 | 17.5 | 20 | 16 | 22 | 25.5 | SVK-959-P325-4FF | 359322 | o. r. |
| 4 | 0.35 | 6 | 12 | 8 | 4 | 66.3 | M18x1 | 17.5 | 20 | 16 | 22 | 24.5 | SVK-959-P340-6FF | 359323 | o. r. |

Illustration
