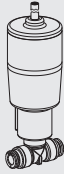
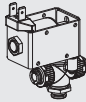
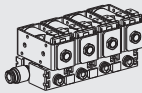
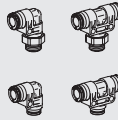
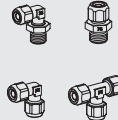
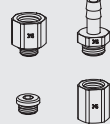


## 产品总览

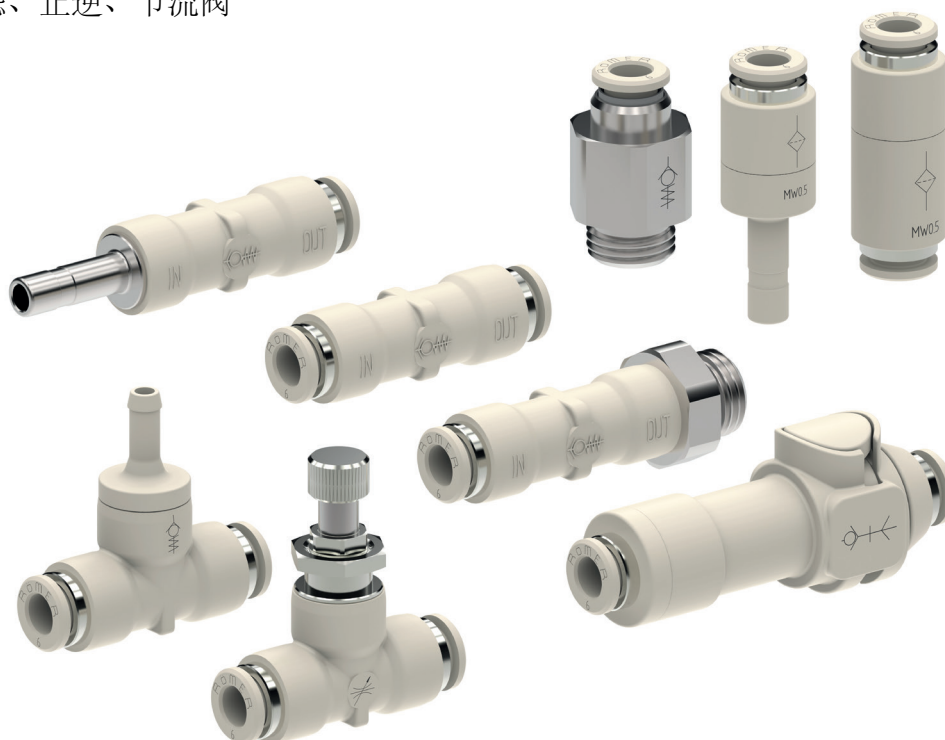
| 自动阀门                                                                                  |                                                              |                                                           |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|
|      | <b>流量比例阀</b>                                                 |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 0.5-3<br>OD 4 / OD 6<br>up to 8 bar<br>up to 80°C      |
|                                                                                       |                                                              |                                                           |
|      | <b>2/2 and 3/2-way MAGMA<br/>电磁阀<br/>type ETV series 100</b> |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 2-4<br>OD 6<br>up to 16 bar<br>up to 130°C             |
|                                                                                       |                                                              |                                                           |
|     | <b>2/2 and 3/2-way MAGMA<br/>电磁阀<br/>type ETV series 200</b> |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 1.5-3<br>OD 4 / OD 6<br>up to 16 bar<br>up to 130°C    |
|                                                                                       |                                                              |                                                           |
|    | <b>2/2-way MAGMA<br/>联座式电磁阀<br/>Type ETV series 200</b>      |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 1-2.5<br>OD 4 / OD 6<br>up to 16 bar<br>up to 130 °C   |
|                                                                                       |                                                              |                                                           |
| 传感器                                                                                   |                                                              |                                                           |
|      | <b>电导率传感器</b>                                                |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 4<br>OD 6<br>up to 16 bar<br>up to 140°C               |
|                                                                                       |                                                              |                                                           |
|      | <b>管路内压力传感器</b>                                              |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 2.5-4<br>OD 4 - OD 6<br>up to 16 bar<br>up to 140°C    |
|                                                                                       |                                                              |                                                           |
|      | <b>管路内温度传感器</b>                                              |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力<br>介质温度                                   | DN 2.5-4<br>OD 4 / OD 6<br>up to 20 bar<br>up to 135°C    |
|                                                                                       |                                                              |                                                           |
| 功能性接头                                                                                 |                                                              |                                                           |
|     | <b>接头<br/>PPSU过滤</b>                                         |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力                                           | DN 2.5-4<br>OD 4 / OD 6<br>up to 16 bar                   |
|                                                                                       |                                                              |                                                           |
|    | <b>PPSU止逆阀<br/>不锈钢 AISI 316L</b>                             |                                                           |
|                                                                                       | 公称直径<br>管径<br>螺纹<br>操作压力                                     | DN 2.5-4<br>OD 6 - OD 8<br>G 1/8 - G 1/4<br>up to 16 bar  |
|                                                                                       |                                                              |                                                           |
|    | <b>节流阀 PPSU</b>                                              |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力                                           | DN 1.5-3<br>OD 4 / OD 6<br>up to 20 bar                   |
|                                                                                       |                                                              |                                                           |
|    | <b>截止阀 PPSU</b>                                              |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力                                           | DN 2<br>OD 6<br>up to 16 bar                              |
|                                                                                       |                                                              |                                                           |
|    | <b>快速接头 PPSU</b>                                             |                                                           |
|                                                                                       | 公称直径<br>管径<br>操作压力                                           | DN 3-4<br>OD 4 / OD 6<br>up to 12 bar                     |
|                                                                                       |                                                              |                                                           |
| 接头和周边配备                                                                               |                                                              |                                                           |
|    | <b>ELSA快速接头 PPSU</b>                                         |                                                           |
|                                                                                       | 管径<br>螺纹<br>操作压力                                             | OD 4 - 8<br>M5 - G3/8<br>up to 20 bar                     |
|                                                                                       |                                                              |                                                           |
|    | <b>ELSA快速接头 PVDF</b>                                         |                                                           |
|                                                                                       | 管径<br>螺纹<br>操作压力                                             | OD 4 - 12<br>M5 - G3/8<br>up to 16 bar                    |
|                                                                                       |                                                              |                                                           |
|    | <b>ELSA快速接头<br/>不锈钢 AISI 316L</b>                            |                                                           |
|                                                                                       | 管径<br>螺纹<br>操作压力                                             | OD 4 - 12<br>M5 - G3/8<br>R1/8 - R1/2<br>up to 20 bar     |
|                                                                                       |                                                              |                                                           |
|  | <b>快速接头<br/>不锈钢 AISI 316L</b>                                |                                                           |
|                                                                                       | 管径<br>螺纹<br>操作压力                                             | 4,3/3-12/10<br>G1/8 - G1/2<br>R1/8 - R1/2<br>up to 20 bar |
|                                                                                       |                                                              |                                                           |
|  | <b>接头配备<br/>不锈钢 AISI 316L</b>                                |                                                           |
|                                                                                       | 螺纹<br>操作压力                                                   | G1/8 - G1/2<br>R1/8 - R1/2<br>up to 50 bar                |
|                                                                                       |                                                              |                                                           |

如需更多资讯、请参阅网址 [www.fuangroup.com.cn](http://www.fuangroup.com.cn)

欢迎您的来电咨询 021-2078-6919 邮箱 [info@fuangroup.com.cn](mailto:info@fuangroup.com.cn)

# AVS ELSA Push-in Function Fittings PPSU / Stainless Steel AISI 316L (1.4404)

医疗级过滤、止逆、节流阀



**AVS 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

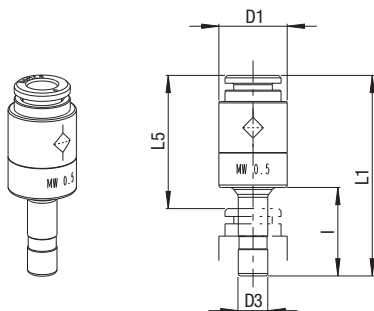
AVS function fittings are used in a variety of neutral gaseous and liquid media. If the fitting materials are suitable, application with aggressive media is permitted. See also the information on characteristics.

## CHARACTERISTICS

### BODY MATERIAL / SUITABILITY

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |  |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>Stainless steel<br/>AISI 316L</div>                                                | Corresponds to 1.4404 stainless steel. Suitable for many aggressive media, in particular at higher pressures.                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                         |  |
| <div>Plastic<br/>PPSU</div>                                                             | <b>Polyphenylsulfone.</b> 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.<br><b>Caution!</b> 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                         |  |
| PIPE / TUBE                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |  |
| Outside diameter [mm] OD                                                                | 4, 6 and 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                         |  |
| Perm. Tolerance [mm]                                                                    | ± 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                         |  |
| Perm. grades                                                                            | 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 fittings                                                                        | <div>Operating pressure 0 to 16 bar<br/>Temperature-dependent</div>                                                                                                                                                                                                                                                                                                                                                                                                                                    | Means that the allowable operating pressure OP is also dependent on the medium temperature within the allowable ambient temperature. Values on request. |  |
| Allowable operating pressure and operating temperature of pipe / tube must be observed! |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |  |
| THREAD SEAL                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                         |  |
| Cylindrical threaded nipple                                                             | <div>Thread sealed by a<br/>FKM O-Ring in recess</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | applies to all cylindrical threaded nipples                                                                                                             |  |

## Illustration

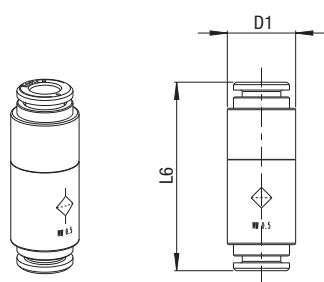


## Filter with Push-in Connector and Stem

|                                                              |           |       |                                                                                   |                                                                                                                 |                                                                                         |              |
|--------------------------------------------------------------|-----------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>23</b> | PN 16 |  | Amb. temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$<br>Med.-Temp. $T_{min} 0^{\circ}C, T_{max} +140^{\circ}C$ | NSF  | Plastic PPSU |
| Operating pressure 0 to max. 16 bar<br>Temperature-dependent |           |       | Material: Body: PPSU, filter: 1.4301,<br>Seal: EPDM (KTW-approved)                |                                                                                                                 |                                                                                         |              |

| DN  | KV value water [m³/h] | for tube OD | D3 | I  | L1   | L5   | D1 | Mesh size MW [mm] | Weight in [g] | Type                  | Order number | price |
|-----|-----------------------|-------------|----|----|------|------|----|-------------------|---------------|-----------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 4  | 17 | 40.5 | 25.5 | 14 | 0.1               | 4.7           | SMF-947P3-4PF-D 4-100 | 498143       | o. r. |
| 2.5 | 0.15                  | 4           | 4  | 17 | 40.5 | 25.5 | 14 | 0.5               | 4.8           | SMF-947P3-4PF-D 4-500 | 498144       | o. r. |
| 4   | 0.5                   | 6           | 6  | 18 | 41   | 25   | 14 | 0.1               | 4.8           | SMF-947P3-6PF-D 6-100 | 498145       | o. r. |
| 4   | 0.5                   | 6           | 6  | 18 | 41   | 25   | 14 | 0.5               | 4.9           | SMF-947P3-6PF-D 6-500 | 498146       | o. r. |

## Illustration

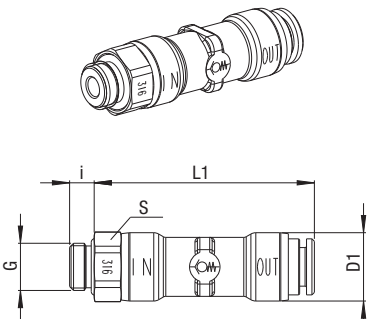


## Filter with Push-in Connectors

|                                                              |           |       |                                                                                   |                                                                                                                 |                                                                                         |              |
|--------------------------------------------------------------|-----------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>23</b> | PN 16 |  | Amb. temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$<br>Med.-Temp. $T_{min} 0^{\circ}C, T_{max} +140^{\circ}C$ | NSF  | Plastic PPSU |
| Operating pressure 0 to max. 16 bar<br>Temperature-dependent |           |       | Material: Body: PPSU, filter: 1.4301,<br>Seal: EPDM (KTW-approved)                |                                                                                                                 |                                                                                         |              |

| DN  | KV value water [m³/h] | for tube OD | L6   | D1 | Mesh size MW [mm] | Weight in [g] | Type              | Order number | price |
|-----|-----------------------|-------------|------|----|-------------------|---------------|-------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 37.5 | 14 | 0.1               | 7.3           | SMF-958P3-4PF-100 | 498147       | o. r. |
| 2.5 | 0.15                  | 4           | 37.5 | 14 | 0.5               | 7.4           | SMF-958P3-4PF-500 | 498148       | o. r. |
| 4   | 0.5                   | 6           | 38.5 | 14 | 0.1               | 7.6           | SMF-958P3-6PF-100 | 498149       | o. r. |
| 4   | 0.5                   | 6           | 38.5 | 14 | 0.5               | 7.7           | SMF-958P3-6PF-500 | 498150       | o. r. |

## Illustration

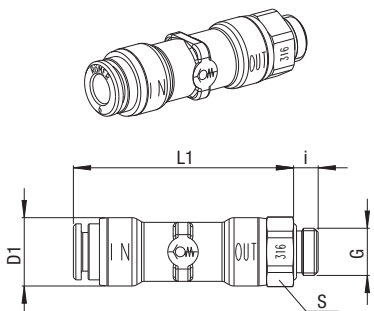


## Non-Return Valve with Push-in Connector on Outlet

|                                                              |           |       |                                                                                     |                                                     |                                                                                                                 |                                                                                           |              |
|--------------------------------------------------------------|-----------|-------|-------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>23</b> | PN 16 |  | Constr. design: spring-loaded cone non-return valve | Amb. temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$<br>Med. temp. $T_{min} 0^{\circ}C, T_{max} +140^{\circ}C$ | NSF  | Plastic PPSU |
| Operating pressure 0.1 to max. 16 bar; Temperature-dependent |           |       | Thread sealed by a FKM O-Ring in recess                                             |                                                     | Material: Body: PPSU, nipple: 1.4404, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)      |                                                                                           |              |

| DN  | KV value water [m³/h] | for tube OD | G   | i | L1   | D1 | S  | Weight in [g] | Type                 | Order number | price |
|-----|-----------------------|-------------|-----|---|------|----|----|---------------|----------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 1/8 | 5 | 48   | 14 | 13 | 20.2          | VNR-951-P340-4FF-1/8 | 634901       | o. r. |
| 2.5 | 0.15                  | 4           | 1/4 | 7 | 48.5 | 14 | 17 | 29.5          | VNR-951-P340-4FF-1/4 | 634902       | o. r. |
| 4   | 0.5                   | 6           | 1/8 | 5 | 45   | 14 | 13 | 17            | VNR-951-P340-6FF-1/8 | 634903       | o. r. |
| 4   | 0.5                   | 6           | 1/4 | 7 | 45.5 | 14 | 17 | 26.4          | VNR-951-P340-6FF-1/4 | 634904       | o. r. |

## Illustration



## Non-Return Valve with Push-in Connector on Inlet

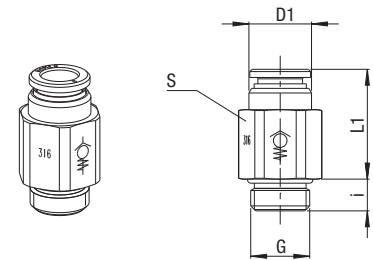
|                                                              |           |       |                                                                                     |                                                     |                                                                                                                 |                                                                                           |              |
|--------------------------------------------------------------|-----------|-------|-------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>23</b> | PN 16 |  | Constr. design: spring-loaded cone non-return valve | Amb. temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$<br>Med. temp. $T_{min} 0^{\circ}C, T_{max} +140^{\circ}C$ | NSF  | Plastic PPSU |
| Operating pressure 0.1 to max. 16 bar; Temperature-dependent |           |       | Thread sealed by a FKM O-Ring in recess                                             |                                                     | Material: Body: PPSU, nipple: 1.4404, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)      |                                                                                           |              |

| DN  | KV value water [m³/h] | for tube OD | G   | i | L1   | D1 | S  | Weight in [g] | Type                 | Order number | price |
|-----|-----------------------|-------------|-----|---|------|----|----|---------------|----------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 1/8 | 5 | 44.5 | 14 | 13 | 16.8          | VRN-951-P340-4FF-1/8 | 634909       | o. r. |
| 2.5 | 0.15                  | 4           | 1/4 | 7 | 45   | 14 | 17 | 26.2          | VRN-951-P340-4FF-1/4 | 634910       | o. r. |
| 4   | 0.5                   | 6           | 1/8 | 5 | 45   | 14 | 13 | 17            | VRN-951-P340-6FF-1/8 | 634911       | o. r. |
| 4   | 0.5                   | 6           | 1/4 | 7 | 45.5 | 14 | 17 | 26.5          | VRN-951-P340-6FF-1/4 | 634912       | o. r. |

### Non-Return Valve with Push-in Connector on Inlet

| Product group                           | 23                          | PN 8           |  | Constr. design: spring-loaded cone non-return valve |    |                                                                                              |    | T <sub>min</sub> 0°C<br>T <sub>max</sub> +140°C |                       |  | Stainless steel<br>AISI 316L |  |
|-----------------------------------------|-----------------------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------|----|----------------------------------------------------------------------------------------------|----|-------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------|------------------------------|--|
| Operating pressure<br>0.1 to max. 8 bar |                             |                | Thread sealed by a<br>FKM O-Ring in recess                                        |                                                     |    | Material: Body: 1.4404, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |    |                                                 |                       |                                                                                   |                              |  |
| DN                                      | KV value<br>water<br>[m³/h] | for tube<br>OD | G                                                                                 | i                                                   | L1 | D1                                                                                           | S  | Weight<br>in [g]                                | Type                  | Order<br>number                                                                   | price                        |  |
| 4                                       | 0.5                         | 8              | 1/4                                                                               | 7                                                   | 24 | 14                                                                                           | 17 | 26.8                                            | VRN-951-X 440-8FF-1/4 | 634943                                                                            | o. r.                        |  |

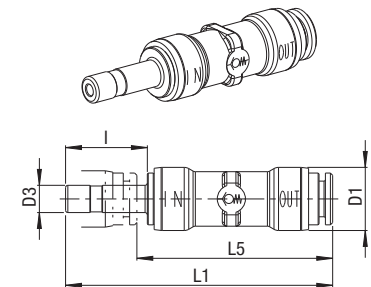
### Illustration



### Non-Return Valve with Plug-in Connector, Stem on Inlet

|                                                                |                       |             |                                                                                   |                                                                                                          |      |      |    |                                                                                                                     |                     |                                                                                   |              |  |
|----------------------------------------------------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|------|----|---------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------|--------------|--|
| Product group                                                  | 23                    | PN 16       |  | Constr. design: spring-loaded cone non-return valve                                                      |      |      |    | Amb. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C<br>Med. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +140°C |                     |  | Plastic PPSU |  |
| Operating pressure 0.1 to max. 16 bar<br>Temperature-dependent |                       |             |                                                                                   | Material: Body: PPSU, Stem: 1.4404, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |      |      |    |                                                                                                                     |                     |                                                                                   |              |  |
| DN                                                             | KV value water [m³/h] | for tube OD | D3                                                                                | I                                                                                                        | L1   | L5   | D1 | Weight in [g]                                                                                                       | Type                | Order number                                                                      | price        |  |
| 2.5                                                            | 0.15                  | 4           | 4                                                                                 | 17                                                                                                       | 60.5 | 47   | 14 | 14.3                                                                                                                | VNR-947-P340-4FF-D4 | 634917                                                                            | o. r.        |  |
| 2.5                                                            | 0.15                  | 4           | 6                                                                                 | 18                                                                                                       | 61.5 | 46   | 14 | 15.4                                                                                                                | VNR-947-P340-4FF-D6 | 634918                                                                            | o. r.        |  |
| 2.5                                                            | 0.5                   | 6           | 4                                                                                 | 17                                                                                                       | 57.5 | 43.5 | 14 | 11.2                                                                                                                | VNR-947-P340-6FF-D4 | 634919                                                                            | o. r.        |  |
| 4                                                              | 0.5                   | 6           | 6                                                                                 | 18                                                                                                       | 58.5 | 42.5 | 14 | 12.3                                                                                                                | VNR-947-P340-6FF-D6 | 634920                                                                            | o. r.        |  |

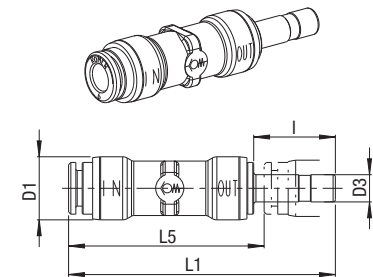
### Illustration



### Non-Return Valve with Plug-in Connector, Stem on Outlet

| Product group | 23                    | PN 16       |  | Constr. design: spring-loaded cone non-return valve            |      |      |    | Amb. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C<br>Med. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +140°C |                     |  | Plastic PPSU |
|---------------|-----------------------|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|------|------|----|---------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------|
|               |                       |             |                                                                                     | Operating pressure 0.1 to max. 16 bar<br>Temperature-dependent |      |      |    | Material: Body: PPSU, Stem: 1.4404, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant)            |                     |                                                                                     |              |
| DN            | KV value water [m³/h] | for tube OD | D3                                                                                  | I                                                              | L1   | L5   | D1 | Weight in [g]                                                                                                       | Type                | Order number                                                                        | price        |
| 2.5           | 0.15                  | 4           | 4                                                                                   | 17                                                             | 57   | 42   | 14 | 11                                                                                                                  | VRN-947-P340-4FF-D4 | 634925                                                                              | o. r.        |
| 2.5           | 0.15                  | 4           | 6                                                                                   | 18                                                             | 58   | 42   | 14 | 12                                                                                                                  | VRN-947-P340-4FF-D6 | 634926                                                                              | o. r.        |
| 2.5           | 0.5                   | 6           | 4                                                                                   | 17                                                             | 57.5 | 42.5 | 14 | 11.2                                                                                                                | VRN-947-P340-6FF-D4 | 634927                                                                              | o. r.        |
| 4             | 0.5                   | 6           | 6                                                                                   | 18                                                             | 58.5 | 42.5 | 14 | 12.3                                                                                                                | VRN-947-P340-6FF-D6 | 634928                                                                              | o. r.        |

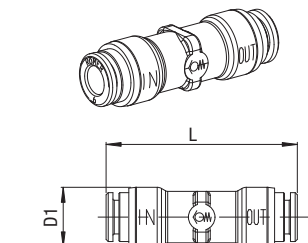
### Illustration



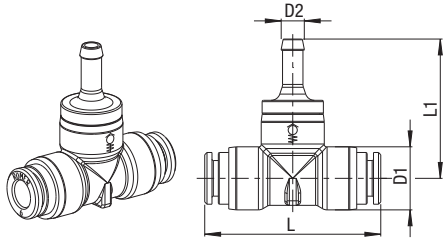
### Non-Return Valve with Push-in Connectors

| Product group                                                  | <b>23</b>             | PN 16       |  | Constr. design: spring-loaded cone non-return valve                                        |                  | Amb. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C<br>Med. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +140°C |               |  | Plastic PPSU |       |
|----------------------------------------------------------------|-----------------------|-------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|--------------|-------|
| Operating pressure 0.1 to max. 16 bar<br>Temperature-dependent |                       |             |                                                                                     | Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |                  |                                                                                                                     |               |                                                                                     |              |       |
| DN                                                             | KV value water [m³/h] | for tube OD | L                                                                                   | D1                                                                                         | Temperature [°C] | Operating pressure Temperature-dependent [bar]                                                                      | Weight in [g] | Type                                                                                | Order number | price |
| 2.5                                                            | 0.15                  | 4           | 47.3                                                                                | 13.9                                                                                       | 0 to +140        | 0.1 to max. 16                                                                                                      | 11.1          | VNR-958-P340-4FF                                                                    | 635077       | o. r. |
| 4                                                              | 0.5                   | 6           | 44.6                                                                                | 13.9                                                                                       | 0 to +140        | 0.1 to max. 16                                                                                                      | 8.1           | VNR-958-P340-6FF                                                                    | 635080       | o. r. |

### Illustration



### Illustration

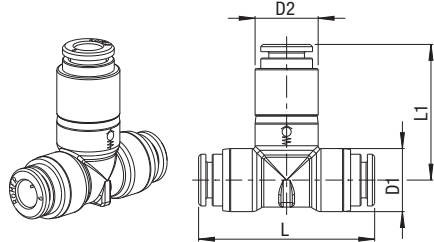


### Non-Return Valve with Push-in Connectors and Hose Tail

|                                                                |           |       |                                                                                   |                                                                                            |                                                                                         |                                                                                     |              |
|----------------------------------------------------------------|-----------|-------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| Product group                                                  | <b>23</b> | PN 16 |  | Constr. design: spring-loaded cone non-return valve                                        | Amb. temp. $T_{min}$ 0°C, $T_{max}$ +60°C<br>Med. temp. $T_{min}$ 0°C, $T_{max}$ +140°C |  | Plastic PPSU |
| Operating pressure 0.1 to max. 16 bar<br>Temperature-dependent |           |       |                                                                                   | Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |                                                                                         |                                                                                     |              |

| DN  | KV value water [m³/h] | for tube OD | for tube LW | L  | L1   | D1 | D2  | Weight in [g] | Type               | Order number | price |
|-----|-----------------------|-------------|-------------|----|------|----|-----|---------------|--------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 3.5-4       | 38 | 30.5 | 14 | 5.1 | 14.6          | VRN-954-P330-4FF-4 | 634933       | o. r. |
| 2.5 | 0.15                  | 6           | 3.5-4       | 39 | 30.5 | 14 | 5.1 | 14.7          | VRN-954-P330-6FF-4 | 634934       | o. r. |

### Illustration

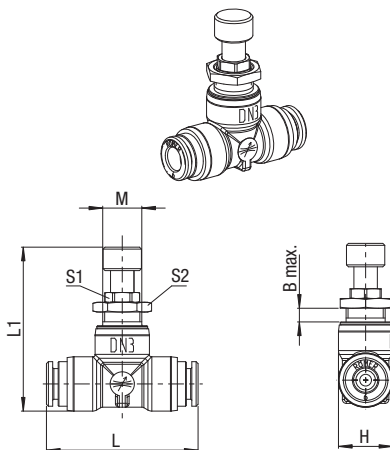


### Non-Return Valve with Push-in Connectors

|                                                                |           |       |                                                                                   |                                                                                            |                                                                                         |                                                                                     |              |
|----------------------------------------------------------------|-----------|-------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| Product group                                                  | <b>23</b> | PN 16 |  | Constr. design: spring-loaded cone non-return valve                                        | Amb. temp. $T_{min}$ 0°C, $T_{max}$ +60°C<br>Med. temp. $T_{min}$ 0°C, $T_{max}$ +140°C |  | Plastic PPSU |
| Operating pressure 0.1 to max. 16 bar<br>Temperature-dependent |           |       |                                                                                   | Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |                                                                                         |                                                                                     |              |

| DN  | KV value water [m³/h] | for tube OD | L  | L1   | D1 | D2 | Weight in [g] | Type             | Order number | price |
|-----|-----------------------|-------------|----|------|----|----|---------------|------------------|--------------|-------|
| 2.5 | 0.15                  | 4           | 38 | 29.5 | 13 | 14 | 20.6          | VRN-954-P340-4FF | 634937       | o. r. |
| 4   | 0.3                   | 6           | 39 | 30   | 17 | 14 | 19.1          | VRN-954-P340-6FF | 634938       | o. r. |

### Illustration

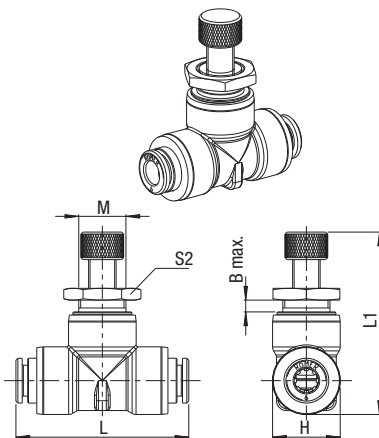


### Throttle Valve with Push-in Connectors

|                                                              |           |       |                                                                                   |                                                                 |                                                                                         |                                                                                     |              |
|--------------------------------------------------------------|-----------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>27</b> | PN 20 |  | Constr. design: Precision cone throttle                         | Amb. temp. $T_{min}$ 0°C, $T_{max}$ +60°C<br>Med. temp. $T_{min}$ 0°C, $T_{max}$ +140°C |  | Plastic PPSU |
| Operating pressure 0 to max. 20 bar<br>Temperature-dependent |           |       |                                                                                   | Material: Body: PPSU, spindle 1.4404, seal: FKM (FDA-compliant) |                                                                                         |                                                                                     |              |

| DN  | KV value water [m³/h] | for tube OD | L    | L1 | M     | B   | H    | S1 | S2 | Weight in [g] | Type             | Order number | price |
|-----|-----------------------|-------------|------|----|-------|-----|------|----|----|---------------|------------------|--------------|-------|
| 1.5 | 0-0.05                | 4           | 38.8 | 42 | M10x1 | 3.5 | 13.9 | 8  | 13 | 23            | RF0-958-P315-4FF | 635635       | o. r. |
| 1.5 | 0-0.05                | 6           | 38.8 | 42 | M10x1 | 3.5 | 13.9 | 8  | 13 | 23.2          | RF0-958-P315-6FF | 635636       | o. r. |
| 2   | 0-0.1                 | 4           | 38.8 | 42 | M10x1 | 3.5 | 13.9 | 8  | 13 | 23.1          | RF0-958-P320-4FF | 635637       | o. r. |
| 2   | 0-0.1                 | 6           | 38.8 | 42 | M10x1 | 3.5 | 13.9 | 8  | 13 | 23.2          | RF0-958-P320-6FF | 635638       | o. r. |
| 3   | 0-0.2                 | 6           | 38.8 | 42 | M10x1 | 3.5 | 13.9 | 8  | 13 | 23.3          | RF0-958-P330-6FF | 635639       | o. r. |

### Illustration



### Shut-Off Valve with Push-in Connectors

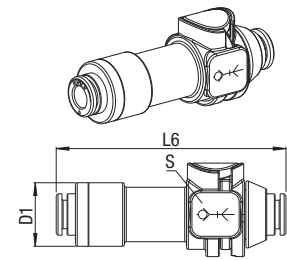
|                                                              |           |       |                                                                                     |                                                                 |                                                                                         |                                                                                       |              |
|--------------------------------------------------------------|-----------|-------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| Product group                                                | <b>27</b> | PN 16 |  | Constr. design: Cone poppet valve                               | Amb. temp. $T_{min}$ 0°C, $T_{max}$ +60°C<br>Med. temp. $T_{min}$ 0°C, $T_{max}$ +140°C |  | Plastic PPSU |
| Operating pressure 0 to max. 16 bar<br>Temperature-dependent |           |       |                                                                                     | Material: Body: PPSU, spindle 1.4404, Seal: FKM (FDA-compliant) |                                                                                         |                                                                                       |              |

| DN | KV value water [m³/h] | for tube OD | L  | L1   | M     | B   | H  | S2 | Weight in [g] | Type             | Order number | price |
|----|-----------------------|-------------|----|------|-------|-----|----|----|---------------|------------------|--------------|-------|
| 2  | 0-0.5                 | 6           | 44 | 46.5 | M12x1 | 3.5 | 17 | 17 | 35.6          | AF0-958-P320-6FF | 694949       | o. r. |

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

|                                                                                                                     |                       |             |                                                                                   |                                                                                      |    |               |                                                                                            |              |       |
|---------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----|---------------|--------------------------------------------------------------------------------------------|--------------|-------|
| Product group                                                                                                       | 23                    | PN 12       |  | Constr. design: Quick-release coupling with single-sided integrated non-return valve |    |               |           | Plastic PPSU |       |
| Amb. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C<br>Med. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +140°C |                       |             |                                                                                   | Operating pressure 0.1 to max. 12 bar<br>Temperature-dependent                       |    |               | Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |              |       |
| DN                                                                                                                  | KV value water [m³/h] | for tube OD | L6                                                                                | D1                                                                                   | S  | Weight in [g] | Type                                                                                       | Order number | price |
| 3                                                                                                                   | 0.16                  | 4           | 62.5                                                                              | 17.5                                                                                 | 20 | 18.4          | SVK-958-P330-4FF                                                                           | 359320       | o. r. |
| 4                                                                                                                   | 0.35                  | 6           | 63.5                                                                              | 17.5                                                                                 | 20 | 18.6          | SVK-958-P340-6FF                                                                           | 359321       | o. r. |

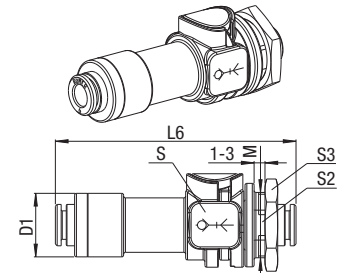
## Illustration



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

|                                                                                                                     |                       |             |                                                                                   |                                                                                             |      |    |    |    |                                                                                            |                                                                                   |              |       |
|---------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------|----|----|----|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------|
| Product group                                                                                                       | 23                    | PN 12       |  | Constr. design: Schott quick-release coupling with single-sided integrated non-return valve |      |    |    |    |                                                                                            |  | Plastic PPSU |       |
| Amb. temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C<br>Med. Temp. T <sub>min</sub> 0°C, T <sub>max</sub> +140°C |                       |             |                                                                                   | Operating pressure 0.1 to max. 12 bar<br>Temperature-dependent                              |      |    |    |    | Material: Body: PPSU, cone PPSU, spring: Stainless steel 1.4310, seal: FKM (FDA-compliant) |                                                                                   |              |       |
| DN                                                                                                                  | KV value water [m³/h] | for tube OD | L6                                                                                | M                                                                                           | D1   | S  | S2 | S3 | Weight in [g]                                                                              | Type                                                                              | Order number | price |
| 3                                                                                                                   | 0.16                  | 4           | 62.5                                                                              | M18x1                                                                                       | 17.5 | 20 | 16 | 22 | 25.5                                                                                       | SVK-959-P330-4FF                                                                  | 359322       | o. r. |
| 4                                                                                                                   | 0.35                  | 6           | 63.5                                                                              | M18x1                                                                                       | 17.5 | 20 | 16 | 22 | 26.0                                                                                       | SVK-959-P340-6FF                                                                  | 359323       | o. r. |

## Illustration

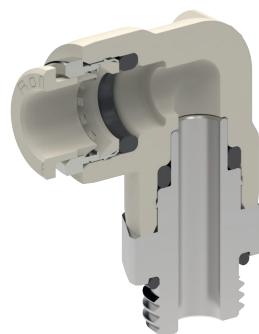




## AVS ELSA Push-in Fittings, PPSU 医疗级高温接头 140° C



**ELSA** the Established push-in connector from AVS-Römer



### PPSU version

Operating pressure Technical vacuum up to maximum pressure as stated in the respective specification table under OP.  
Temperature range 0°C to +140°C (for restrictions see specification table)

### Application

ELSA push-in connectors made from PPSU are used mainly in the food industries for liquids with temperatures up to 140°C. (hot water, coffee, steam,...). These push-in connectors are equipped with FDA-compliant FKM sealing rings as standard, on request they are available with FDA-compliant and KTW-approved EPDM sealing rings. These high-tech plastic fittings are a low-cost alternative to stainless steel fittings in many areas of application.

## CHARACTERISTICS

### BODY MATERIAL / SUITABILITY

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plastic PPSU</b>     | <b>Polyphenylsulfone.</b> Suitable for many aggressive media with temperatures up to 140°C (hot water, steam). The FKM sealing ring is FDA-compliant and can be used in the food and pharmaceutical industries.<br><b>Caution!</b> 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! |
| <b>Other materials:</b> | See relevant products                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Approval</b>         | NSF/ANSI 169                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### PIPE / TUBE

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| <b>Outside Ø OD [mm]</b>    | 4, 6 and 8                                                        |
| <b>Perm. Tolerance [mm]</b> | ± 0.1                                                             |
| <b>Perm. grades</b>         | Polyamide (PA), polyurethane (PU), fluorine polymer (FEP and PFA) |

### THREAD

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>External thread</b> | "M" cylindrical thread: Metric ISO thread M5                                  |
| <b>External thread</b> | "G" cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 up to G 3/8 |
| <b>Internal thread</b> | "G" cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 up to G 1/4 |

### OPERATING PRESSURE / TEMPERATURE

|                                                                                                |                                                                                            |                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plastic fittings</b>                                                                        | Max. operating pressure OP at the stated ambient temp. and medium temp. according to table | Means that the allowable operating pressure OP within the allowable ambient temperature also depends on the medium temperature in accordance with the specification table. |
| <b>Allowable operating pressure and operating temperature of pipe / tube must be observed!</b> |                                                                                            |                                                                                                                                                                            |

### THREAD SEAL

|                                    |                                         |                                             |
|------------------------------------|-----------------------------------------|---------------------------------------------|
| <b>Cylindrical threaded nipple</b> | Thread sealed by a FKM O-Ring in recess | applies to all cylindrical threaded nipples |
|------------------------------------|-----------------------------------------|---------------------------------------------|

### "ROTATABLE" VERSION

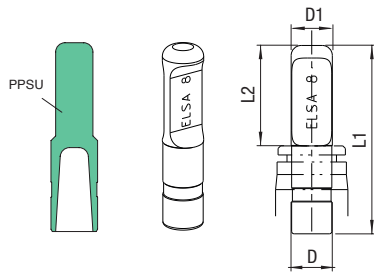
|                                             |                                                |                                                                                                                   |
|---------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>90° elbow-, T- and Y-adaptors - male</b> | not suitable for rotating or oscill. movements | Some types of fittings rotate 360° in order to facilitate alignment during assembly or for compensating movement. |
|---------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

### SPECIAL VERSIONS (NOT INCLUDED IN THE CATALOGUE)

We also produce ELSA push-in connectors in various special versions not included in the catalogue, as well as customer-specific versions.

- other O-ring materials such as EPDM, FDA-compliant
- for pipes / tubes with inch dimensions
- "R" conical threaded fitting

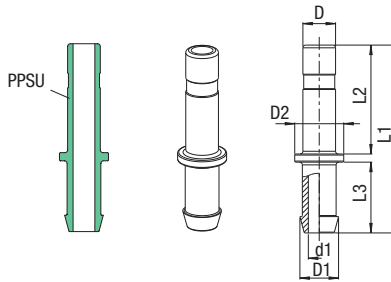
## Illustration



## Push-in Plug

|                         |                                      |                                                                                   |       |      |    |    |               |                                                                                     |              |       |
|-------------------------|--------------------------------------|-----------------------------------------------------------------------------------|-------|------|----|----|---------------|-------------------------------------------------------------------------------------|--------------|-------|
| Product group           | 15                                   | Max. allow. OP at ambient temp.<br>T <sub>min</sub> -20°C, T <sub>max</sub> +60°C |       |      |    |    |               |  | Plastic PPSU |       |
| for plug-in connector D | Max. allow. OP [bar] at medium temp. |                                                                                   |       | L1   | L2 | D1 | Weight in [g] | Type                                                                                | Order number | Price |
|                         | 20°C                                 | 100°C                                                                             | 140°C |      |    |    |               |                                                                                     |              |       |
| 4                       | 20                                   | 16                                                                                | 10    | 31.5 | 17 | 6  | 0.7           | 971P3-4                                                                             | 237495       |       |
| 6                       | 20                                   | 16                                                                                | 10    | 34.5 | 19 | 8  | 1.2           | 971P3-6                                                                             | 237496       |       |
| 8                       | 16                                   | 12                                                                                | 10    | 37.5 | 20 | 8  | 1.7           | 971P3-8                                                                             | 237497       | o. r. |

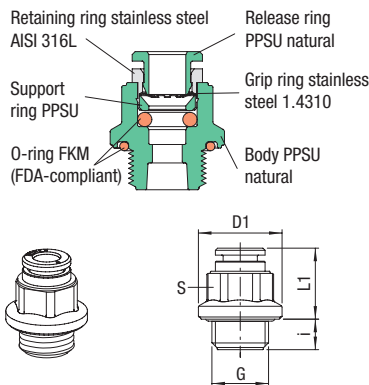
## Illustration



## Straight Stem Connector with Hose Tail

| Product group                 | 15             | Max. allow. OP at ambient temp.<br>T <sub>min</sub> -20°C, T <sub>max</sub> +60°C |       |       |     |      |    |     |     |     |                  |  | Plastic<br>PPSU |       |
|-------------------------------|----------------|-----------------------------------------------------------------------------------|-------|-------|-----|------|----|-----|-----|-----|------------------|-------------------------------------------------------------------------------------|-----------------|-------|
| for plug-in<br>connetion<br>D | for tube<br>LW | Max. allow. OP [bar] at<br>medium temp.                                           |       |       | d1  | L1   | L2 | L3  | D1  | D2  | Weight<br>in [g] | Type                                                                                | Order<br>number | Price |
|                               |                | 20°C                                                                              | 100°C | 140°C |     |      |    |     |     |     |                  |                                                                                     |                 |       |
| 4                             | 2.7-3          | 20                                                                                | 16    | 10    | 1.8 | 27   | 17 | 8.5 | 3.6 | 5.5 | 0.1              | 907P3-D4-3                                                                          | 281181          | o. r. |
| 4                             | 3.5-4          | 20                                                                                | 16    | 10    | 2.5 | 28.5 | 17 | 10  | 5.1 | 6   | 0.1              | 907P3-D4-4                                                                          | 281182          | o. r. |
| 6                             | 2.7-3          | 20                                                                                | 16    | 10    | 1.8 | 28.5 | 20 | 8.5 | 3.6 | 6   | 0.1              | 907P3-D6-3                                                                          | 281183          | o. r. |
| 6                             | 3.5-4          | 20                                                                                | 16    | 10    | 2.8 | 30   | 20 | 10  | 5.1 | 6   | 0.1              | 907P3-D6-4                                                                          | 281184          |       |
| 6                             | 5-6            | 20                                                                                | 16    | 10    | 4   | 34.5 | 20 | 13  | 7.1 | 9   | 0.1              | 907P3-D6-7                                                                          | 281185          |       |

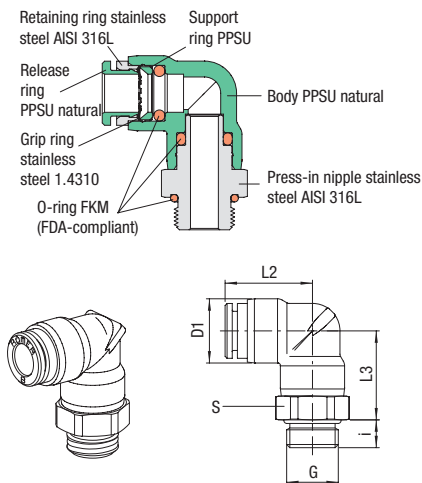
## Illustration



## Straight Adapter - Male

| Product group | 15    | Max. allow. OP at ambient temp. $T_{\min}$ 0°C, $T_{\max}$ +60°C |       |       | Thread cylindrical | Thread sealed by a FKM O-Ring in recess |    |    | Tightening torque 3-3.5 Nm |  | Plastic PPSU |       |
|---------------|-------|------------------------------------------------------------------|-------|-------|--------------------|-----------------------------------------|----|----|----------------------------|--------------------------------------------------------------------------------------|--------------|-------|
| for tube OD   | G     | Max. allow. OP [bar] at medium temp.                             |       |       | i                  | L1                                      | D1 | S  | Weight in [g]              | Type                                                                                 | Order number | Price |
|               |       | 20°C                                                             | 100°C | 140°C |                    |                                         |    |    |                            |                                                                                      |              |       |
| 4             | G 1/8 | 20                                                               | 16    | 10    | 6                  | 17                                      | 16 | 14 | 4.3                        | 951P3-4FF-1/8                                                                        | 367051       |       |
| 4             | G 1/4 | 20                                                               | 16    | 10    | 7                  | 16                                      | 19 | 14 | 5.1                        | 951P3-4FF-1/4                                                                        | 367052       |       |
| 6             | G 1/8 | 20                                                               | 16    | 10    | 6                  | 17.5                                    | 16 | 14 | 4.6                        | 951P3-6FF-1/8                                                                        | 367053       |       |
| 6             | G 1/4 | 20                                                               | 16    | 10    | 7                  | 16.5                                    | 19 | 14 | 5.4                        | 951P3-6FF-1/4                                                                        | 367054       |       |

## Illustration



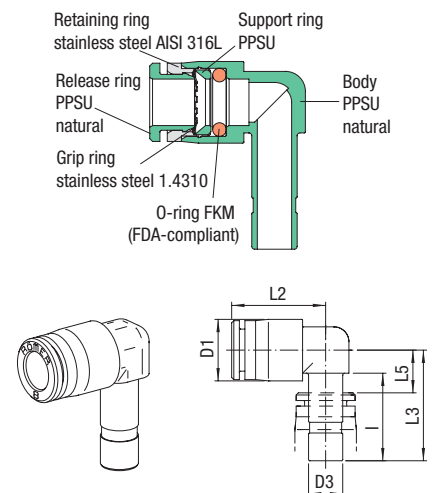
## 90° Elbow Adapter - Male - Positionable

|               |       |                                                                                                   |       |       |                    |      |                                         |    |    |                                               |               |              |                                                                                           |  |              |  |
|---------------|-------|---------------------------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------|----|----|-----------------------------------------------|---------------|--------------|-------------------------------------------------------------------------------------------|--|--------------|--|
| Product group | 15    | Max. allow. OP at ambient temp. $T_{\min } 0^{\circ} \mathrm{C}, T_{\max }+60^{\circ} \mathrm{C}$ |       |       | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    |    | not suitable for rotating or oscill. movement |               |              |  NSF |  | Plastic PPSU |  |
| for tube OD   | G     | Max. allow. OP [bar] at medium temp.                                                              |       |       | i                  | L2   | L3                                      | D1 | S  | Weight in [g]                                 | Type          | Order number | Price                                                                                     |  |              |  |
|               |       | 20°C                                                                                              | 100°C | 140°C |                    |      |                                         |    |    |                                               |               |              |                                                                                           |  |              |  |
| 4             | M 5   | 20                                                                                                | 16    | 10    | 3.5                | 15   | 11                                      | 10 | 8  | 3.7                                           | 930P3-4FF-M5  | 367057       |                                                                                           |  |              |  |
| 4             | G 1/8 | 20                                                                                                | 16    | 10    | 5                  | 19   | 19.5                                    | 12 | 13 | 14.4                                          | 930P3-4FF-1/8 | 367058       |                                                                                           |  |              |  |
| 4             | G 1/4 | 20                                                                                                | 16    | 10    | 7                  | 19   | 20                                      | 12 | 17 | 24                                            | 930P3-4FF-1/4 | 367059       |                                                                                           |  |              |  |
| 6             | M 5   | 20                                                                                                | 16    | 10    | 3.5                | 17   | 11                                      | 12 | 8  | 4.3                                           | 930P3-6FF-M5  | 367060       |                                                                                           |  |              |  |
| 6             | G 1/8 | 20                                                                                                | 16    | 10    | 5                  | 19.5 | 19.5                                    | 14 | 13 | 15.6                                          | 930P3-6FF-1/8 | 367061       |                                                                                           |  |              |  |
| 6             | G 1/4 | 20                                                                                                | 16    | 10    | 7                  | 19.5 | 20                                      | 14 | 17 | 24.2                                          | 930P3-6FF-1/4 | 367062       |                                                                                           |  |              |  |
| 8             | G 1/8 | 16                                                                                                | 12    | 6     | 5                  | 22.5 | 22.5                                    | 17 | 17 | 25                                            | 930P3-8FF-1/8 | 366805       |                                                                                           |  |              |  |
| 8             | G 1/4 | 16                                                                                                | 12    | 6     | 7                  | 22.5 | 22.5                                    | 17 | 17 | 40.0                                          | 930P3-8FF-1/4 | 366806       |                                                                                           |  |              |  |
| 8             | G 3/8 | 16                                                                                                | 12    | 6     | 8                  | 22.5 | 22.5                                    | 17 | 19 | 38.4                                          | 930P3-8FF-3/8 | 366807       |                                                                                           |  |              |  |

## 90° Elbow Connector with Stem

| Product group |         | 15 | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |       |      |      |    |      |    |  |              |  |       |
|---------------|---------|----|---------------------------------------------------------------------------------|-------|-------|------|------|----|------|----|-----------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|-------|
| for tube OD   | Stem D3 |    | Max. allow. OP [bar] at medium temp.                                            |       |       | I    | L2   | L3 | D1   | L5 | Weight in [g]                                                                     | Type         | Order number                                                                      | Price |
|               |         |    | 20°C                                                                            | 100°C | 140°C |      |      |    |      |    |                                                                                   |              |                                                                                   |       |
| 4             | 4       |    | 20                                                                              | 16    | 10    | 17.5 | 19   | 22 | 12.5 | 9  | o. r.                                                                             | 911P3-4FF-D4 | 367001                                                                            |       |
| 4             | 6       |    | 20                                                                              | 16    | 10    | 18.5 | 19   | 23 | 12.5 | 9  | o. r.                                                                             | 911P3-4FF-D6 | 367002                                                                            |       |
| 6             | 4       |    | 20                                                                              | 16    | 10    | 17.5 | 19.5 | 22 | 14   | 9  | o. r.                                                                             | 911P3-6FF-D4 | 367003                                                                            |       |
| 6             | 6       |    | 20                                                                              | 16    | 10    | 18.5 | 19.5 | 23 | 14   | 9  | o. r.                                                                             | 911P3-6FF-D6 | 367004                                                                            |       |

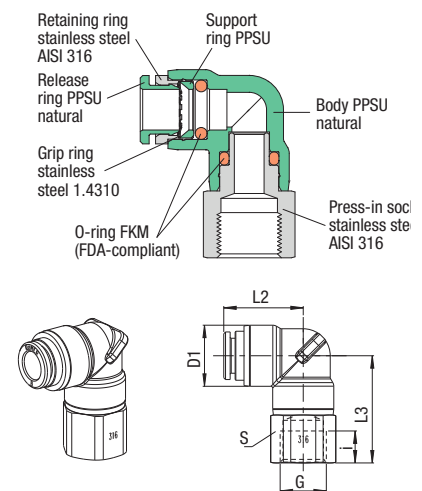
## Illustration



## 90° Elbow Adapter - Female - Positionable

|               |       |                                                                                 |       |                                      |                    |      |                                               |    |    |                                                                                   |               |                                                                                   |       |              |       |
|---------------|-------|---------------------------------------------------------------------------------|-------|--------------------------------------|--------------------|------|-----------------------------------------------|----|----|-----------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|-------|--------------|-------|
| Product group | 15    | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |                                      | Thread cylindrical |      | not suitable for rotating or oscill. movement |    |    |  |               |  |       |              |       |
|               |       | for tube OD                                                                     | G     | Max. allow. OP [bar] at medium temp. |                    |      | i                                             | L2 | L3 | D1                                                                                | S             | Weight in [g]                                                                     | Type  | Order number | Price |
|               |       | 20°C                                                                            | 100°C | 140°C                                |                    |      |                                               |    |    |                                                                                   |               |                                                                                   |       |              |       |
| 4             | G 1/8 | 20                                                                              | 16    | 10                                   | 6.5                | 19   | 24.5                                          | 12 | 13 | 15.9                                                                              | 979P3-4FF-1/8 | 366762                                                                            | o. r. |              |       |
| 4             | G 1/4 | 20                                                                              | 16    | 10                                   | 9                  | 19   | 27.5                                          | 12 | 17 | 24.3                                                                              | 979P3-4FF-1/4 | 366763                                                                            | o. r. |              |       |
| 6             | G 1/8 | 20                                                                              | 16    | 10                                   | 6.5                | 19.5 | 24.5                                          | 14 | 13 | 16.4                                                                              | 979P3-6FF-1/8 | 366764                                                                            | o. r. |              |       |
| 6             | G 1/4 | 20                                                                              | 16    | 10                                   | 9                  | 19.5 | 27.5                                          | 14 | 17 | 24.8                                                                              | 979P3-6FF-1/4 | 366765                                                                            | o. r. |              |       |
| 8             | G 1/8 | 16                                                                              | 12    | 6                                    | 6.5                | 22.5 | 25.5                                          | 17 | 17 | 26.4                                                                              | 979P3-8FF-1/8 | 366766                                                                            | o. r. |              |       |
| 8             | G 1/4 | 16                                                                              | 12    | 6                                    | 9                  | 22.5 | 30.5                                          | 17 | 17 | 30.3                                                                              | 979P3-8FF-1/4 | 366767                                                                            | o. r. |              |       |

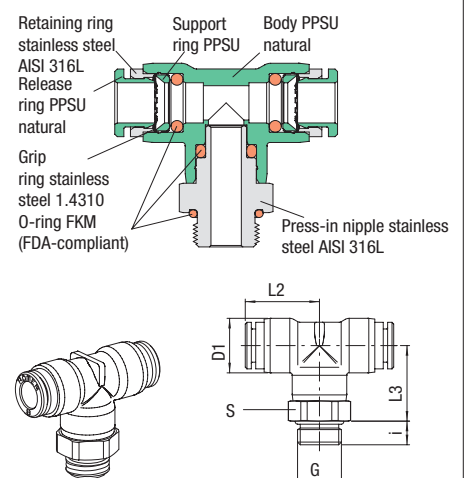
## Illustration



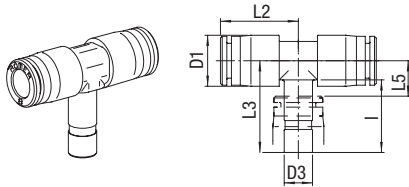
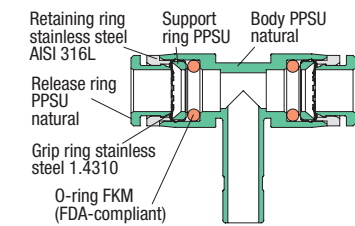
## T-Adapter - Male - Positionable

|               |       |                                                                              |       |       |                    |      |                                         |    |    |                                               |               |                                                                                     |              |       |
|---------------|-------|------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------|----|----|-----------------------------------------------|---------------|-------------------------------------------------------------------------------------|--------------|-------|
| Product group | 15    | Max. allow. OP at ambient temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |       | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    |    | not suitable for rotating or oscill. movement |               |  | Plastic PPSU |       |
|               |       | Max. allow. OP [bar] at medium temp.                                         |       |       | i                  | L2   | L3                                      | D1 | S  | Weight in [g]                                 | Type          |                                                                                     | Order number | Price |
| for tube OD   | G     | 20°C                                                                         | 100°C | 140°C |                    |      |                                         |    |    |                                               |               |                                                                                     |              |       |
| 4             | G 1/8 | 20                                                                           | 16    | 10    | 5                  | 19   | 19.5                                    | 14 | 13 | 18.7                                          | 921P3-4FF-1/8 | 367065                                                                              |              |       |
| 4             | G 1/4 | 20                                                                           | 16    | 10    | 7                  | 19   | 20                                      | 14 | 17 | 27.3                                          | 921P3-4FF-1/4 | 367066                                                                              |              |       |
| 6             | G 1/8 | 20                                                                           | 16    | 10    | 5                  | 19.5 | 19.5                                    | 14 | 13 | 18.9                                          | 921P3-6FF-1/8 | 367067                                                                              |              |       |
| 6             | G 1/4 | 20                                                                           | 16    | 10    | 7                  | 19.5 | 20                                      | 14 | 17 | 27.6                                          | 921P3-6FF-1/4 | 367068                                                                              |              |       |
| 8             | G 1/8 | 16                                                                           | 12    | 6     | 5                  | 22.5 | 22.5                                    | 17 | 17 | 28.8                                          | 921P3-8FF-1/8 | 366810                                                                              |              |       |
| 8             | G 1/4 | 16                                                                           | 12    | 6     | 7                  | 22.5 | 22.5                                    | 17 | 17 | 33.3                                          | 921P3-8FF-1/4 | 366811                                                                              |              |       |
| 8             | G 3/8 | 16                                                                           | 12    | 6     | 8                  | 22.5 | 22.5                                    | 17 | 19 | 42.2                                          | 921P3-8FF-3/8 | 366812                                                                              |              |       |

## Illustration



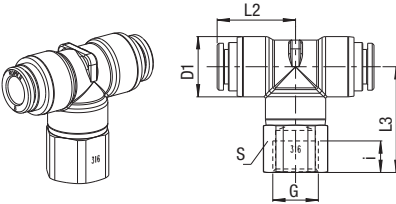
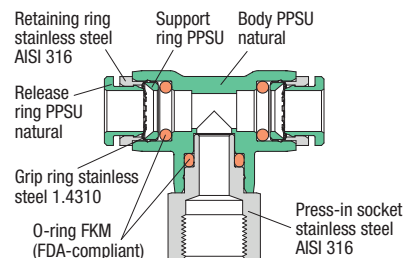
## Illustration



## T-Stem Connector

| Product group |         | 15                                   |       |       |      | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |    |      |    | NSF           |              | Plastic PPSU |       |
|---------------|---------|--------------------------------------|-------|-------|------|---------------------------------------------------------------------------------|----|------|----|---------------|--------------|--------------|-------|
| for tube OD   | Stem D3 | Max. allow. OP [bar] at medium temp. |       |       | I    | L2                                                                              | L3 | D1   | L5 | Weight in [g] | Type         | Order number | Price |
|               |         | 20°C                                 | 100°C | 140°C |      |                                                                                 |    |      |    |               |              |              |       |
| 4             | 4       | 20                                   | 16    | 10    | 17.5 | 19                                                                              | 22 | 12.5 | 9  | o. r.         | 912P3-4FF-D4 | 367007       |       |
| 4             | 6       | 20                                   | 16    | 10    | 18.5 | 19                                                                              | 23 | 12.5 | 9  | o. r.         | 912P3-4FF-D6 | 367008       |       |
| 6             | 4       | 20                                   | 16    | 10    | 17.5 | 19.5                                                                            | 22 | 14   | 9  | o. r.         | 912P3-6FF-D4 | 367009       |       |
| 6             | 6       | 20                                   | 16    | 10    | 18.5 | 19.5                                                                            | 23 | 14   | 9  | o. r.         | 912P3-6FF-D6 | 367010       |       |

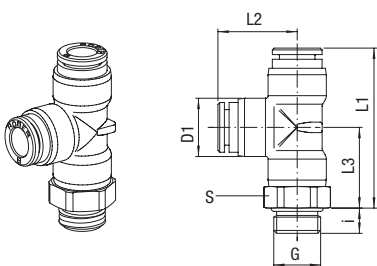
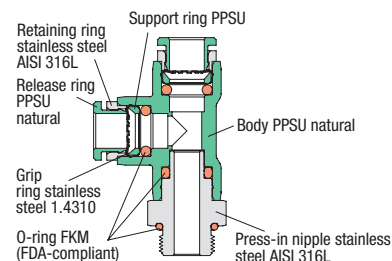
## Illustration



## T-Adapter - Female - Positionable

|               |       |                                                                                 |       |       |                    |      |                                               |    |                                                                                     |               |               |              |       |
|---------------|-------|---------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------------|----|-------------------------------------------------------------------------------------|---------------|---------------|--------------|-------|
| Product group | 15    | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |       | Thread cylindrical |      | not suitable for rotating or oscill. movement |    |  |               | Plastic PPSU  |              |       |
| for tube OD   | G     | Max. allow. OP [bar] at medium temp.                                            |       |       | i                  | L2   | L3                                            | D1 | S                                                                                   | Weight in [g] | Type          | Order number | Price |
|               |       | 20°C                                                                            | 100°C | 140°C |                    |      |                                               |    |                                                                                     |               |               |              |       |
| 4             | G 1/8 | 20                                                                              | 16    | 10    | 6.5                | 19   | 24.5                                          | 12 | 13                                                                                  | 18.7          | 970P3-4FF-1/8 | 366770       | o. r. |
| 4             | G 1/4 | 20                                                                              | 16    | 10    | 9                  | 19   | 27.5                                          | 12 | 17                                                                                  | 27.1          | 970P3-4FF-1/4 | 366771       | o. r. |
| 6             | G 1/8 | 20                                                                              | 16    | 10    | 6.5                | 19.5 | 24.5                                          | 14 | 13                                                                                  | 19            | 970P3-6FF-1/8 | 366772       | o. r. |
| 6             | G 1/4 | 20                                                                              | 16    | 10    | 9                  | 19.5 | 27.5                                          | 14 | 17                                                                                  | 27.4          | 970P3-6FF-1/4 | 366773       | o. r. |
| 8             | G 1/8 | 16                                                                              | 12    | 6     | 6.5                | 22.5 | 25.5                                          | 17 | 17                                                                                  | 30.4          | 970P3-8FF-1/8 | 366774       | o. r. |
| 8             | G 1/4 | 16                                                                              | 12    | 6     | 9                  | 22.5 | 30.5                                          | 17 | 17                                                                                  | 34.3          | 970P3-8FF-1/4 | 366775       | o. r. |

## Illustration



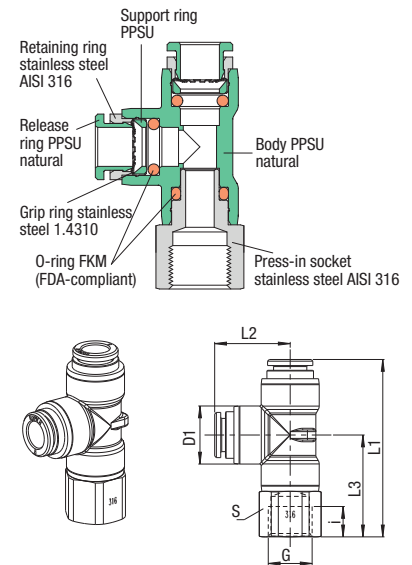
## Side T-Adapter, Male - Positionable

| Product group |       | 15   | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |   | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    |    | not suitable for rotating or oscill. movement |               |        |  NSF |       | Plastic PPSU |  |
|---------------|-------|------|---------------------------------------------------------------------------------|-------|---|--------------------|------|-----------------------------------------|----|----|-----------------------------------------------|---------------|--------|-------------------------------------------------------------------------------------------|-------|--------------|--|
| for tube OD   | G     |      | Max. allow. OP [bar] at medium temp.                                            |       |   | i                  | L1   | L2                                      | L3 | D1 | S                                             | Weight in [g] | Type   | Order number                                                                              | Price |              |  |
|               |       | 20°C | 100°C                                                                           | 140°C |   |                    |      |                                         |    |    |                                               |               |        |                                                                                           |       |              |  |
| 4             | G 1/8 | 20   | 16                                                                              | 10    | 5 | 38.5               | 19   | 19.5                                    | 14 | 13 | 18.7                                          | 922P3-4FF-1/8 | 367071 |                                                                                           |       |              |  |
| 4             | G 1/4 | 20   | 16                                                                              | 10    | 7 | 39                 | 19   | 20                                      | 14 | 17 | 27.3                                          | 922P3-4FF-1/4 | 367072 |                                                                                           |       |              |  |
| 6             | G 1/8 | 20   | 16                                                                              | 10    | 5 | 39                 | 19.5 | 19.5                                    | 14 | 13 | 18.9                                          | 922P3-6FF-1/8 | 367073 |                                                                                           |       |              |  |
| 6             | G 1/4 | 20   | 16                                                                              | 10    | 7 | 39.5               | 19.5 | 20                                      | 14 | 17 | 27.6                                          | 922P3-6FF-1/4 | 367074 |                                                                                           |       |              |  |
| 8             | G 1/8 | 16   | 12                                                                              | 6     | 5 | 44                 | 22.5 | 22.5                                    | 17 | 17 | 28.8                                          | 922P3-8FF-1/8 | 366815 |                                                                                           |       |              |  |
| 8             | G 1/4 | 16   | 12                                                                              | 6     | 7 | 45                 | 22.5 | 22.5                                    | 17 | 17 | 33.3                                          | 922P3-8FF-1/4 | 366816 |                                                                                           |       |              |  |
| 8             | G 3/8 | 16   | 12                                                                              | 6     | 8 | 45                 | 22.5 | 22.5                                    | 17 | 19 | 42.2                                          | 922P3-8FF-3/8 | 366817 |                                                                                           |       |              |  |

### Side T-Adapter - Female - Positionable

| Product group | 15    | Max. allow. OP at ambient temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |       | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |      |    | not suitable for rotating or oscill. movement |               |               |  | Plastic PPSU |       |
|---------------|-------|------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------|------|----|-----------------------------------------------|---------------|---------------|-----------------------------------------------------------------------------------|--------------|-------|
|               |       | Max. allow. OP [bar] at medium temp.                                         |       |       | i                  | L1   | L2                                      | L3   | D1 | S                                             | Weight in [g] | Type          |                                                                                   | Order number | Price |
| for tube OD   | G     | 20°C                                                                         | 100°C | 140°C |                    |      |                                         |      |    |                                               |               |               |                                                                                   |              |       |
| 4             | G 1/8 | 20                                                                           | 16    | 10    | 6.5                | 43.5 | 19                                      | 24.5 | 12 | 13                                            | 18.7          | 923P3-4FF-1/8 | 366778                                                                            | o. r.        |       |
| 4             | G 1/4 | 20                                                                           | 16    | 10    | 9                  | 46.5 | 19                                      | 27.5 | 12 | 17                                            | 27.1          | 923P3-4FF-1/4 | 366779                                                                            | o. r.        |       |
| 6             | G 1/8 | 20                                                                           | 16    | 10    | 6.5                | 44   | 19.5                                    | 24.5 | 14 | 13                                            | 19            | 923P3-6FF-1/8 | 366780                                                                            | o. r.        |       |
| 6             | G 1/4 | 20                                                                           | 16    | 10    | 9                  | 47   | 19.5                                    | 27.5 | 14 | 17                                            | 27.4          | 923P3-6FF-1/4 | 366781                                                                            | o. r.        |       |
| 8             | G 1/8 | 16                                                                           | 12    | 6     | 6.5                | 48   | 22.5                                    | 25.5 | 17 | 17                                            | 30.4          | 923P3-8FF-1/8 | 366782                                                                            | o. r.        |       |
| 8             | G 1/4 | 16                                                                           | 12    | 6     | 9                  | 53   | 22.5                                    | 30.5 | 17 | 17                                            | 34.3          | 923P3-8FF-1/4 | 366783                                                                            | o. r.        |       |

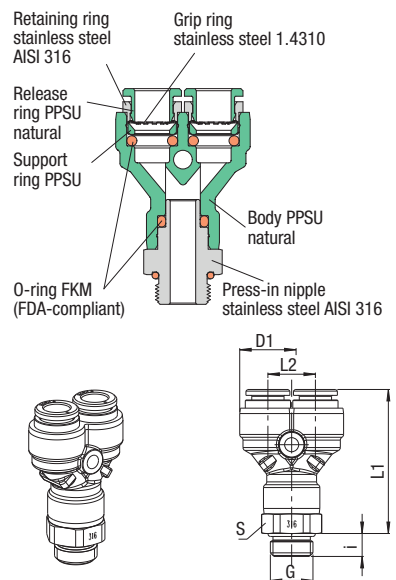
### Illustration



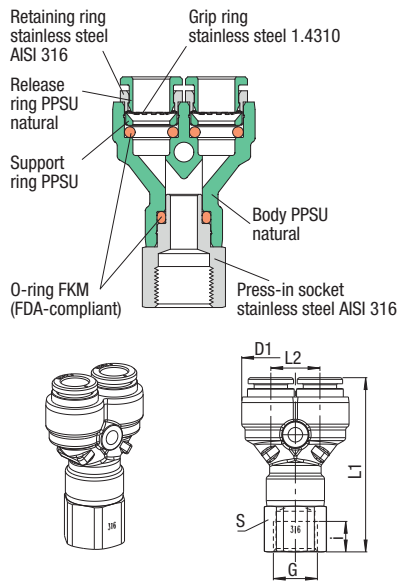
### Y-Adapter - Male - Positionable

| Product group |       | 15                                   | Max. allow. OP at ambient temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |   | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    |               | not suitable for rotating or oscill. movement |              |  | Plastic PPSU |  |
|---------------|-------|--------------------------------------|------------------------------------------------------------------------------|-------|---|--------------------|------|-----------------------------------------|----|---------------|-----------------------------------------------|--------------|-----------------------------------------------------------------------------------|--------------|--|
| for tube OD   | G     | Max. allow. OP [bar] at medium temp. |                                                                              |       | i | L1                 | L2   | D1                                      | S  | Weight in [g] | Type                                          | Order number | Price                                                                             |              |  |
|               |       | 20°C                                 | 100°C                                                                        | 140°C |   |                    |      |                                         |    |               |                                               |              |                                                                                   |              |  |
| 4             | G 1/8 | 20                                   | 16                                                                           | 10    | 5 | 38.5               | 12.5 | 12.5                                    | 13 | 19.7          | 992P3-4FF-1/8                                 | 367077       |                                                                                   |              |  |
| 4             | G 1/4 | 20                                   | 16                                                                           | 10    | 7 | 39                 | 12.5 | 14                                      | 17 | 20.2          | 992P3-4FF-1/4                                 | 367078       |                                                                                   |              |  |
| 6             | G 1/8 | 20                                   | 16                                                                           | 10    | 5 | 39                 | 12.5 | 14                                      | 13 | 20.2          | 992P3-6FF-1/8                                 | 367079       |                                                                                   |              |  |
| 6             | G 1/4 | 20                                   | 16                                                                           | 10    | 7 | 39.5               | 12.5 | 14                                      | 17 | 28.9          | 992P3-6FF-1/4                                 | 367080       |                                                                                   |              |  |
| 8             | G 1/8 | 16                                   | 12                                                                           | 6     | 5 | 43.5               | 14.5 | 17                                      | 17 | 29.2          | 992P3-8FF-1/8                                 | 366820       |                                                                                   |              |  |
| 8             | G 1/4 | 16                                   | 12                                                                           | 6     | 7 | 43.5               | 14.5 | 17                                      | 17 | 33.7          | 992P3-8FF-1/4                                 | 366821       |                                                                                   |              |  |
| 8             | G 3/8 | 16                                   | 12                                                                           | 6     | 8 | 43.5               | 14.5 | 17                                      | 19 | 42.6          | 992P3-8FF-3/8                                 | 366822       |                                                                                   |              |  |

### Illustration



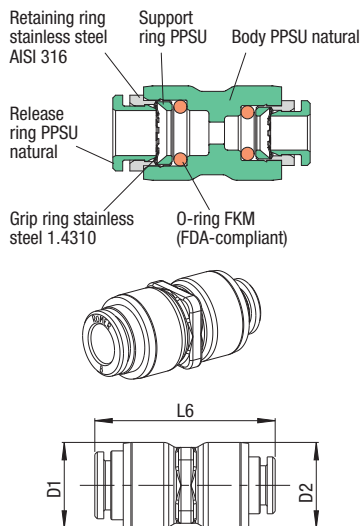
## Illustration



## Y-Adapter - Female - Positionable

| Product group |       | 15                                   | Max. allow. OP at ambient temp. T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |       |     | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    |               | not suitable for rotating or oscill. movement |              |  | Plastic PPSU |  |
|---------------|-------|--------------------------------------|------------------------------------------------------------------------------|-------|-----|--------------------|------|-----------------------------------------|----|---------------|-----------------------------------------------|--------------|-------------------------------------------------------------------------------------|--------------|--|
| for tube OD   | G     | Max. allow. OP [bar] at medium temp. |                                                                              |       | i   | L1                 | L2   | D1                                      | S  | Weight in [g] | Type                                          | Order number | Price                                                                               |              |  |
|               |       | 20°C                                 | 100°C                                                                        | 140°C |     |                    |      |                                         |    |               |                                               |              |                                                                                     |              |  |
| 4             | G 1/8 | 20                                   | 16                                                                           | 10    | 6.5 | 43.5               | 12.5 | 12.5                                    | 13 | 19.4          | 993P3-4FF-1/8                                 | 366786       | o. r.                                                                               |              |  |
| 4             | G 1/4 | 20                                   | 16                                                                           | 10    | 9   | 46.5               | 12.5 | 14                                      | 17 | 27.9          | 993P3-4FF-1/4                                 | 366787       | o. r.                                                                               |              |  |
| 6             | G 1/8 | 20                                   | 16                                                                           | 10    | 6.5 | 44                 | 12.5 | 14                                      | 13 | 19.7          | 993P3-6FF-1/8                                 | 366788       | o. r.                                                                               |              |  |
| 6             | G 1/4 | 20                                   | 16                                                                           | 10    | 9   | 47                 | 12.5 | 14                                      | 17 | 28.1          | 993P3-6FF-1/4                                 | 366789       | o. r.                                                                               |              |  |
| 8             | G 1/8 | 16                                   | 12                                                                           | 6     | 6.5 | 46.5               | 14.5 | 17                                      | 17 | 31.3          | 993P3-8FF-1/8                                 | 366790       | o. r.                                                                               |              |  |
| 8             | G 1/4 | 16                                   | 12                                                                           | 6     | 9   | 51.5               | 14.5 | 17                                      | 17 | 33.7          | 993P3-8FF-1/4                                 | 366791       | o. r.                                                                               |              |  |

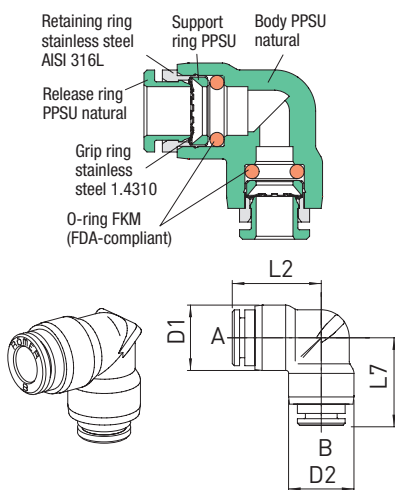
## Illustration



## Straight Connector

| Product group |             | Max. allow. OP at ambient temp. $T_{min} 0^{\circ}\text{C}$ , $T_{max} +60^{\circ}\text{C}$ |       |       | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |               | not suitable for rotating or oscill. movement |              | NSF   | Plastic PPSU |  |
|---------------|-------------|---------------------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------|---------------|-----------------------------------------------|--------------|-------|--------------|--|
| for tube OD   | for tube BD | Max. allow. OP [bar] at medium temp.                                                        |       |       | L6                 | D1   | D2                                      | Weight in [g] | Type                                          | Order number | Price |              |  |
|               |             | 20°C                                                                                        | 100°C | 140°C |                    |      |                                         |               |                                               |              |       |              |  |
| 4             | 4           | 20                                                                                          | 16    | 10    | 32                 | 12.5 | 12.5                                    | 6             | 958P3-4FF                                     | 367083       |       |              |  |
| 6             | 4           | 20                                                                                          | 16    | 10    | 32.5               | 14   | 14                                      | 6.7           | 958P3-6-4FF                                   | 367084       |       |              |  |
| 6             | 6           | 20                                                                                          | 16    | 10    | 33                 | 14   | 14                                      | 7             | 958P3-6FF                                     | 367085       |       |              |  |
| 8             | 6           | 16                                                                                          | 12    | 6     | 36                 | 17   | 17                                      | 10.4          | 958P3-8-6FF                                   | 367086       |       |              |  |
| 8             | 8           | 16                                                                                          | 12    | 6     | 36.5               | 17   | 17                                      | 11.1          | 958P3-8FF                                     | 367087       |       |              |  |

## Illustration



## 90° Elbow Connector

| Product group |             | Max. allow. OP at ambient temp. $T_{min} 0^{\circ}\text{C}$ , $T_{max} +60^{\circ}\text{C}$ |       |       | Thread cylindrical |      | Thread sealed by a FKM O-Ring in recess |    | not suitable for rotating or oscill. movement |             | NSF          | Plastic PPSU |  |
|---------------|-------------|---------------------------------------------------------------------------------------------|-------|-------|--------------------|------|-----------------------------------------|----|-----------------------------------------------|-------------|--------------|--------------|--|
| for tube OD   | for tube BD | Max. allow. OP [bar] at medium temp.                                                        |       |       | L2                 | L7   | D1                                      | D2 | Weight in [g]                                 | Type        | Order number | Price        |  |
|               |             | 20°C                                                                                        | 100°C | 140°C |                    |      |                                         |    |                                               |             |              |              |  |
| 4             | 4           | 20                                                                                          | 16    | 10    | 17.5               | 17.5 | 12                                      | 12 | 6.5                                           | 955P3-4FF   | 367088       |              |  |
| 6             | 4           | 20                                                                                          | 16    | 10    | 19.5               | 19   | 14                                      | 14 | 7.2                                           | 955P3-6-4FF | 367089       |              |  |
| 6             | 6           | 20                                                                                          | 16    | 10    | 19.5               | 19.5 | 14                                      | 14 | 7.5                                           | 955P3-6FF   | 367090       |              |  |
| 8             | 6           | 16                                                                                          | 12    | 6     | 22.5               | 22   | 17                                      | 17 | 12.5                                          | 955P3-8-6FF | 367091       |              |  |
| 8             | 8           | 16                                                                                          | 12    | 6     | 22.5               | 22.5 | 17                                      | 17 | 13                                            | 955P3-8FF   | 367092       |              |  |

## T-Connector

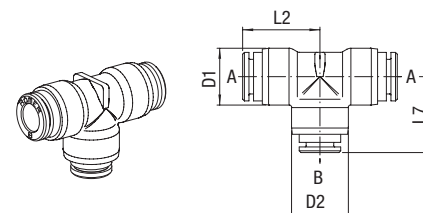
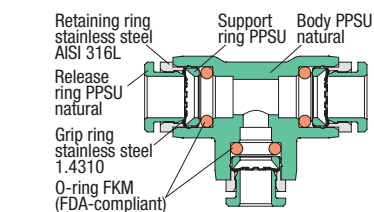
Product group **15** Max. allow. OP at ambient temp.  
T<sub>min</sub> 0°C, T<sub>max</sub> +60°C



Plastic  
PPSU

| for<br>tube<br>OD | for<br>tube<br>BD | Max. allow. OP [bar] at<br>medium temp. |       |       | L2   | L7   | D1 | D2 | Weight<br>in [g] | Type        | Order<br>number | Price |
|-------------------|-------------------|-----------------------------------------|-------|-------|------|------|----|----|------------------|-------------|-----------------|-------|
|                   |                   | 20°C                                    | 100°C | 140°C |      |      |    |    |                  |             |                 |       |
| 4                 | 4                 | 20                                      | 16    | 10    | 17.5 | 17.5 | 12 | 12 | 9.4              | 954P3-4FF   | 367093          |       |
| 6                 | 4                 | 20                                      | 16    | 10    | 19.5 | 19   | 14 | 14 | 10.6             | 954P3-6-4FF | 367094          |       |
| 6                 | 6                 | 20                                      | 16    | 10    | 19.5 | 19.5 | 14 | 14 | 11               | 954P3-6FF   | 367095          |       |
| 8                 | 6                 | 16                                      | 12    | 6     | 22.5 | 22   | 17 | 17 | 17.8             | 954P3-8-6FF | 367096          |       |
| 8                 | 8                 | 16                                      | 12    | 6     | 22.5 | 22.5 | 17 | 17 | 18.3             | 954P3-8FF   | 367097          |       |

## Illustration



## Y-Connector

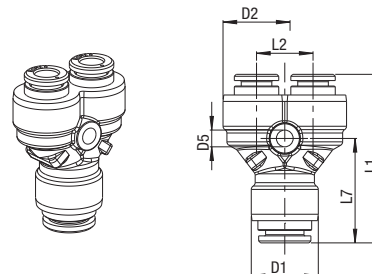
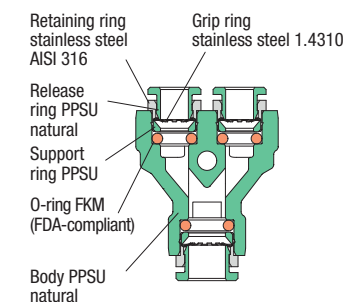
Product group **15** Max. allow. OP at ambient temp.  
T<sub>min</sub> 0°C, T<sub>max</sub> +60°C



Plastic  
PPSU

| for<br>tube<br>OD | for<br>tube<br>BD | Max. allow. OP [bar] at<br>medium temp. |       |       | L1   | L2   | L7   | D1   | D2   | D5  | Weight<br>in [g] | Type        | Order<br>number | Price |
|-------------------|-------------------|-----------------------------------------|-------|-------|------|------|------|------|------|-----|------------------|-------------|-----------------|-------|
|                   |                   | 20°C                                    | 100°C | 140°C |      |      |      |      |      |     |                  |             |                 |       |
| 4                 | 4                 | 20                                      | 16    | 10    | 38   | 12.5 | 23   | 12.5 | 12.5 | 3.3 | 10.3             | 982P3-4FF   | 367098          |       |
| 6                 | 4                 | 20                                      | 16    | 10    | 38.5 | 12.5 | 23.5 | 14   | 14   | 3.3 | 11.4             | 982P3-6-4FF | 367099          |       |
| 6                 | 6                 | 20                                      | 16    | 10    | 39   | 12.5 | 23.5 | 14   | 14   | 3.3 | 12               | 982P3-6FF   | 367100          |       |
| 8                 | 6                 | 16                                      | 12    | 6     | 43.5 | 14.5 | 27   | 17   | 17   | 4.3 | 16               | 982P3-8-6FF | 366801          |       |
| 8                 | 8                 | 16                                      | 12    | 6     | 43.5 | 14.5 | 27   | 17   | 17   | 4.3 | 18               | 982P3-8FF   | 366802          |       |

## Illustration



## Double Y-Connector

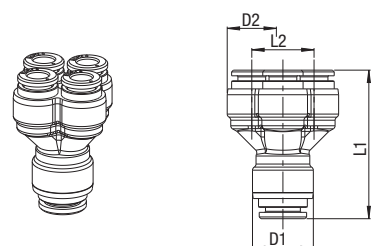
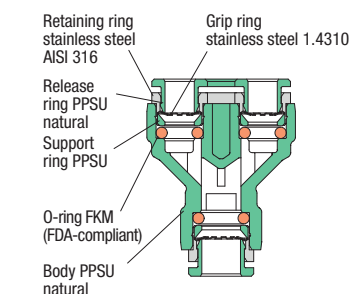
Product group **15** Max. allow. OP at ambient temp.  
T<sub>min</sub> 0°C, T<sub>max</sub> +60°C



Plastic  
PPSU

| for<br>tube<br>OD | for<br>tube<br>BD | Max. allow. OP [bar] at<br>medium temp. |       |       | L1   | L2   | D1 | D2 | Weight<br>in [g] | Type        | Order<br>number | Price |
|-------------------|-------------------|-----------------------------------------|-------|-------|------|------|----|----|------------------|-------------|-----------------|-------|
|                   |                   | 20°C                                    | 100°C | 140°C |      |      |    |    |                  |             |                 |       |
| 6                 | 6                 | 20                                      | 16    | 10    | 41.5 | 17.5 | 17 | 14 | 12               | 984P3-6FF   | 366803          |       |
| 8                 | 6                 | 16                                      | 12    | 6     | 42   | 17.5 | 17 | 14 | 12               | 984P3-8-6FF | 366804          | o. r. |

## Illustration



Illustration

Straight Bulkhead Connector

Retaining ring stainless steel AISI 316

Support ring PPSU

Body PPSU natural

Release ring PPSU natural

Grip ring stainless steel 1.4310

O-ring FKM (FDA-compliant)

Flare sleeve, brass lock nut, nickel-plated

L1, L6, 1-3.5, D2, S, S3

| Product group |             | 15                                   |       |       | Max. allow. OP at ambient temp.<br>T <sub>min</sub> 0°C, T <sub>max</sub> +60°C |      |      |      |      |    |      |    |               |           | NSF          |       | Plastic PPSU |  |
|---------------|-------------|--------------------------------------|-------|-------|---------------------------------------------------------------------------------|------|------|------|------|----|------|----|---------------|-----------|--------------|-------|--------------|--|
| for tube OD   | for tube BD | Max. allow. OP [bar] at medium temp. |       |       | M                                                                               | L1   | L6   | D1   | D2   | S  | S2   | S3 | Weight in [g] | Type      | Order number | Price |              |  |
|               |             | 20°C                                 | 100°C | 140°C |                                                                                 |      |      |      |      |    |      |    |               |           |              |       |              |  |
| 4             | 4           | 16                                   | 10    | 3     | M14x1                                                                           | 10.5 | 31.5 | 9.5  | 9.5  | 17 | 12.5 | 17 | 19.1          | 959P3-4FF | 366794       | o. r. |              |  |
| 6             | 6           | 16                                   | 10    | 3     | M14x1                                                                           | 11   | 32.5 | 11.5 | 11.5 | 17 | 12.5 | 17 | 18.4          | 959P3-6FF | 366795       | o. r. |              |  |
| 8             | 8           | 16                                   | 8     | 3     | M16x1                                                                           | 12.5 | 36   | 14   | 11.5 | 19 | 14.5 | 19 | 28.6          | 959P3-8FF | 366796       | o. r. |              |  |