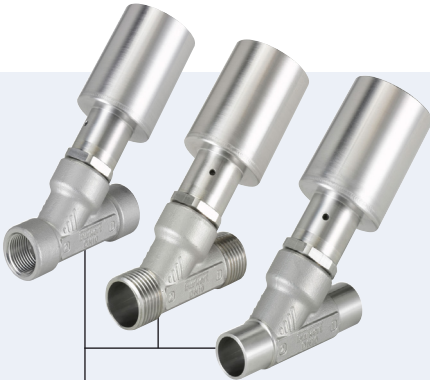


2/2 way Angle-Seat Valve 32 mm Actuator for media up to +180 °C DN10, 15

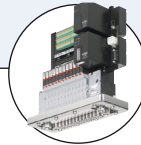


- Small, compact design
- Actuator and valve body in stainless steel
- Normally closed or open actuators
- Available with flow direction below seat
- Actuator concept for block mounting

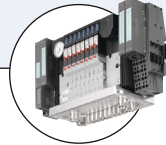
Type 2000 can be combined with...



Type 8840
Modular Process
Valve Manifold



Type 8640
AirLINE Quick



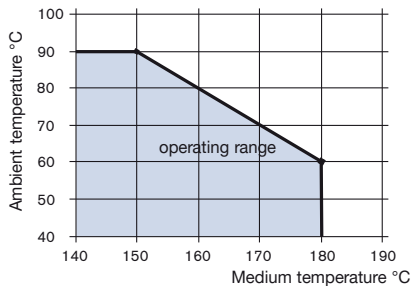
Type 8644
AirLINE Quick

The externally piloted angle-seat valve is operated with a single acting piston actuator.

The pneumatic piston actuator is constructed from stainless steel and incorporates a proven self adjusting packing gland, to ensure high media leak tightness. The 2/2 way body is made from a high quality stainless steel casting, with a flow optimized design enabling high flow rates.

For customized solutions in particular, a modular housing is available in a compact design, with distribution, collector/collecting, feeding and mixing functions.

¹⁾ **Note:** For 2000 INOX the combination of max. medium temperature and max. ambient temperature is as shown in the following chart



| Technical data | |
|--|---|
| Orifice | DN10, 15 |
| Body materials | Cast Stainless steel |
| Seal material | PTFE |
| Actuator material | Stainless steel 316L |
| Medium | Water, alcohol, oils, fuels, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam, air and neutral gases |
| Viscosity | Max. 600 mm ² /s |
| Packing gland (with silicone grease) | PTFE V-rings with spring compensation |
| Medium temperature¹⁾ | 0 up to +180 °C |
| Ambient temperature¹⁾ | 0 up to +60 °C |
| Control medium | Neutral gases, air |
| Min. / max. pilot pressure²⁾ | 5.5 – 10 bar |
| Medium pressure | from vacuum to 16 bar |
| K_v value water | 2.4 m ³ /h (DN10) and 4.0 m ³ /h (DN15) |
| Port connection | G and NPT 3/8 and 1/2 - threaded ports G 1/2 - external thread Weld end acc. EN ISO 1127/ISO 4200, DIN 11850 Series 2, ASME BPE |
| Pilot air port | M5 (Screw-in fitting recommended) |
| Control function | SF-A (normally closed by spring action) SF-B (normally opened by spring action) on request |

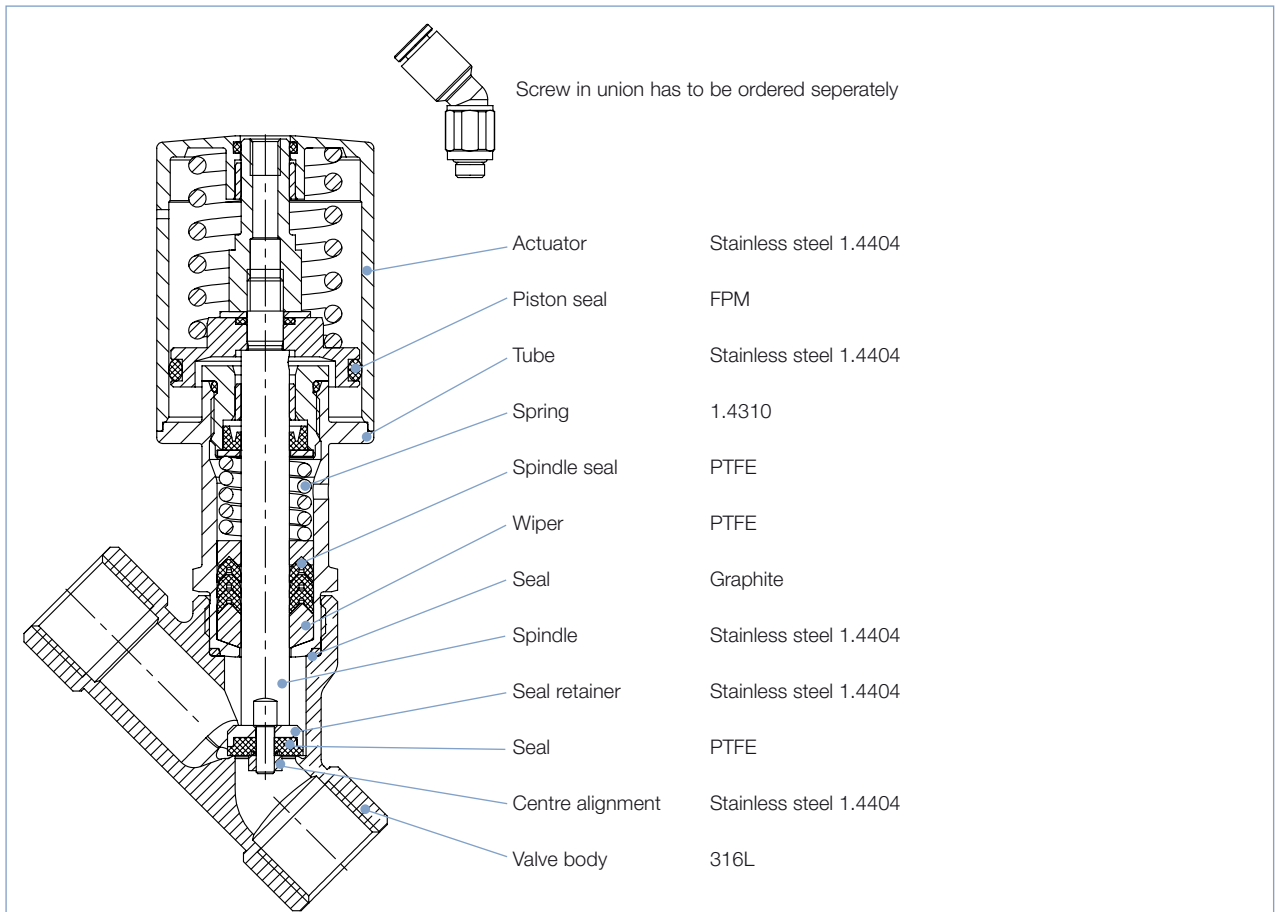
²⁾ lower pilot pressure on reduced medium temperature on request

Technical data

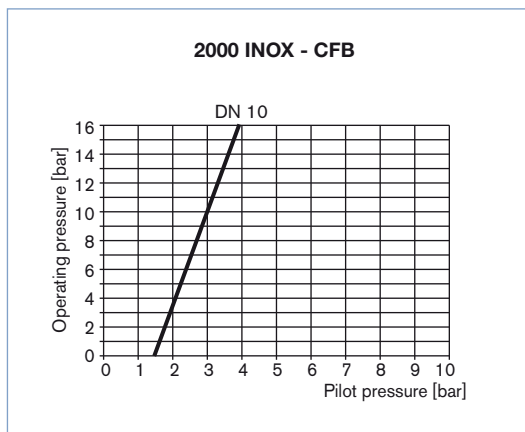
| Orifice [mm] | Actuator size [mm] | K _v value water (m ³ /h) | Minimum pilot pressure ¹⁾ CFA [bar] | Max. operating pressure to +180° | | Weight [kg] |
|--------------|--------------------|--|--|----------------------------------|-----------|-------------|
| | | | | CFA [bar] | CFB [bar] | |
| 10 | 32 | 2.4 | 5.5 | 16 | 16 | 0.4 |
| 15 | 32 | 4.0 | 5.5 | 11 | - | 0.6 |

¹⁾ lower pilot pressure on reduced medium temperature on request

Materials Type 2000 INOX

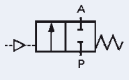

















Pressure chart with control function B and flow direction below seat




Ordering chart (other versions on request)

Flow direction below seat

| Circuit function | Port connection | Orifice [mm] | Actuator size Ø [mm] | k_{vs} -value water [m ³ /h] | Minimum pilot pressure [bar] | Max. operating pressure up to +180 °C [bar] | Article no. |
|--|-------------------------------|--------------|----------------------|---|------------------------------|---|--|
| A 2/2 way valve normally closed by spring action  | G 3/8 | 10 | 32 | 2.4 | 5.5 | 16 | 210644  |
| | NPT 3/8 | 10 | 32 | 2.4 | 5.5 | 16 | 218145  |
| | Rc 3/8 | 10 | 32 | 2.4 | 4.0 | 10 | 226632  |
| | external thread G 1/2 | 10 | 32 | 2.4 | 5.5 | 16 | 218148  |
| | EN ISO 1127 DN10 (17.2 × 1.6) | 10 | 32 | 2.4 | 5.5 | 16 | 215485  |
| | DIN 11850R2 DN10 (13 × 1.5) | 10 | 32 | 2.4 | 5.5 | 16 | 218146  |
| | ASME BPE 1/2 (12.7 × 1.65) | 10 | 32 | 2.4 | 5.5 | 16 | 218147  |
| | actuator without body | 10 | 32 | 2.4 | 5.5 | 16 | 212149  |
| | G 1/2 | 15 | 32 | 4.0 | 5.5 | 11 | 246066  |
| | NPT 1/2 | 15 | 32 | 4.0 | 5.5 | 11 | 246067  |
| | Rc 1/2 | 15 | 32 | 4.0 | 5.5 | 11 | 246068  |
| | EN ISO 1127 DN10 (21.3 × 1.6) | 15 | 32 | 4.0 | 5.5 | 11 | 246069  |
| | DIN 11850R2 DN10 (19 × 1.5) | 15 | 32 | 4.0 | 5.5 | 11 | 246070  |
| | ASME BPE 1/2 (12.5 × 1.65) | 15 | 32 | 4.0 | 5.5 | 11 | 246071  |
| | actuator without body | 15 | 32 | 4.0 | 5.5 | 11 | 245389  |



i Further versions on request

 **Analyse**
Oxygen version
Assembly silicon, oil and fat-free

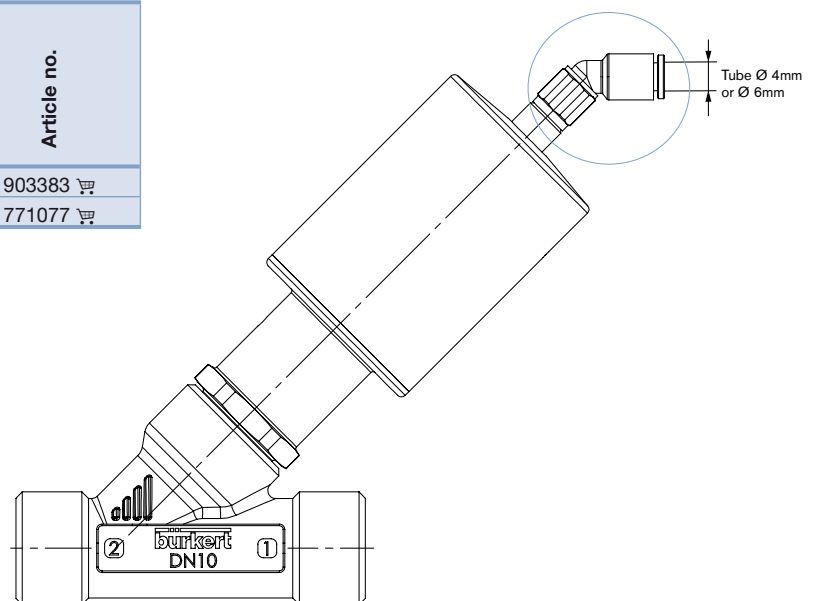
 **Control function**
Control function B opened by spring action

Ordering chart for accessories (not supplied as standard)

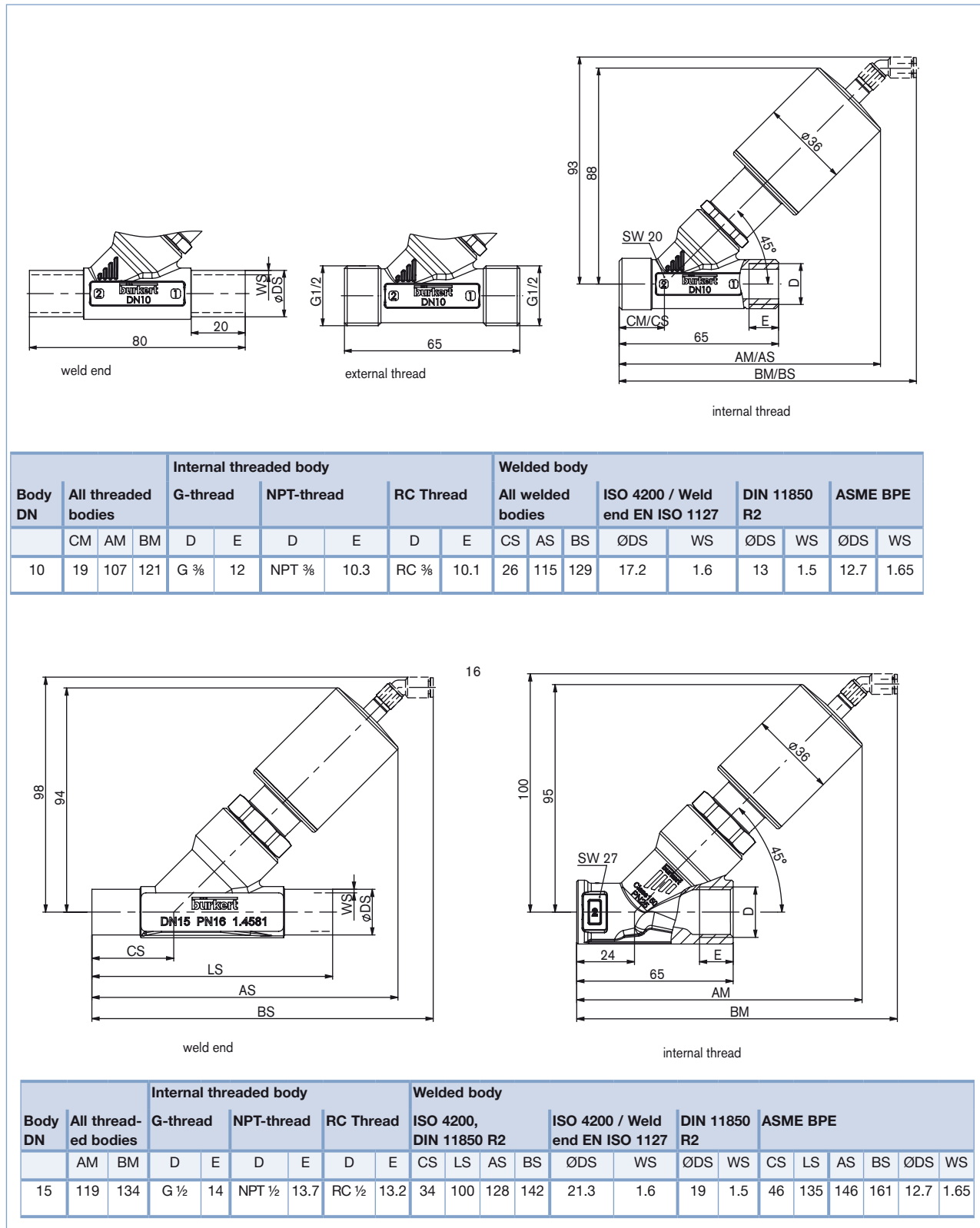
Angle screw-in fitting 45° has to be ordered separately.

| Description | Article no. |
|--|--|
| Screw-in fitting ¹⁾ M5 - Ø 4 mm | 903383  |
| Screw-in fitting ¹⁾ M5 - Ø 6 mm | 771077  |

¹⁾Version up to max. 60 °C Ambient temperature
higher temperatures - on request



Dimensions [mm]



DTS 1000138710 EN Version: E Status: RL (released | freigegeben | valide) printed: 26.03.2018

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