

Technical Data Sheet Type 63DT



2/2-way pressure operated valve
 NC - Valve normally closed (as standard)
 NO - Valve normally open (as option)

Direct pressure controlled valve. The valve seat is opened against a spring force via the control medium.

■ **Valve for extended temperature range**

TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Type of control | Direct-pressure operated |
| Design | poppet design |
| Connection | Threaded G 1/2 - G 3 DIN ISO 228/1 (BSP) |
| Installation | Preferable with actuator upright |
| Pressure | 0 - 40 bar (see table on page 2) |
| Medium | Clean, neutral, gaseous and liquid media |
| Viscosity | 600 mm ² /s |
| Temperature range | Medium: -40 °C up to +250 °C Ambient: -10 °C up to +60 °C |
| Body material | Red brass RG5 Stainless steel 1.4408 / 1.4571 |
| Metallic inner parts | Red brass, brass, stainless steel |
| Sealing | PEEK |
| Pilot pressure | 4 - 10 bar max pressure with at least 6 bar |
| Pilot medium | Clean and neutral gases Other pilot media on request |

| | |
|-------------|---------------------------|
| Pilot valve | 2/131-31-1702-C182 |
|-------------|---------------------------|



3/2-way direct operated, NC
 G1/8, orifice 1.5mm, 0-8 bar
 Aluminum / Stainless steel /FKM
 with Cnomo-coil as well as with
 integrated screw connection for
 easy assembly.

| | |
|--|------------------------|
| | A7231/1002/.... |
|--|------------------------|



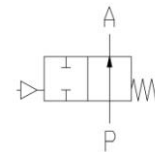
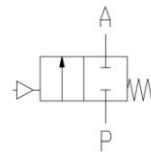
3/2-way direct operated, NC
 G1/8, orifice 1.5mm, 0-8 bar
 Brass / Stainless steel / FKM

VALVE FEATURES

- For media temperatures up to +250 °C
- No pressure difference is required
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements

FUNCTION

NC – non pressurized closed NO – non pressurized open



CERTIFICATES



Special design available for temperatures **up to +300 °C**.
 Specifications and drawings on request.

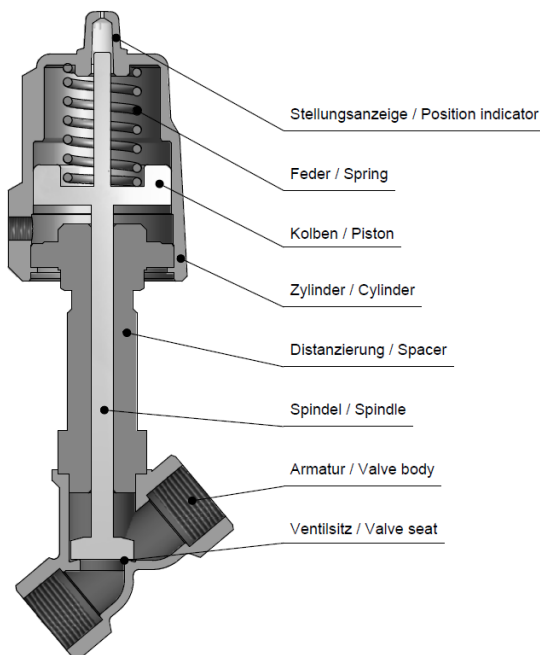
ORDERING SYSTEM

| Type | Conn. | Housing | Seal | Actuator | Option |
|-------|--|--|---------|--|-----------------------------------|
| . 6 3 | 2 3 | / 1 1 | 1 5 / | 7 1 0 5 | - D T |
| | 23 G 1/2 24 G 3/4 25 G 1 26 G 1 1/4 27 G 1 1/2 28 G 2 29 G 2 1/2 30 G 3 | 08 Stainl. st. 1.4408 10 Brass 2.0402 11 Red brass RG5 | 15 PEEK | 7 . Normally closed 8 . Normally open . 1 Standard actuator . 3 Act. Stainless steel . 5 Act. chem. nickel pl. | DT Distance unit +250°C medium |
| | | | | . 5 50 mm . 8 80 mm . 3 125 mm | |

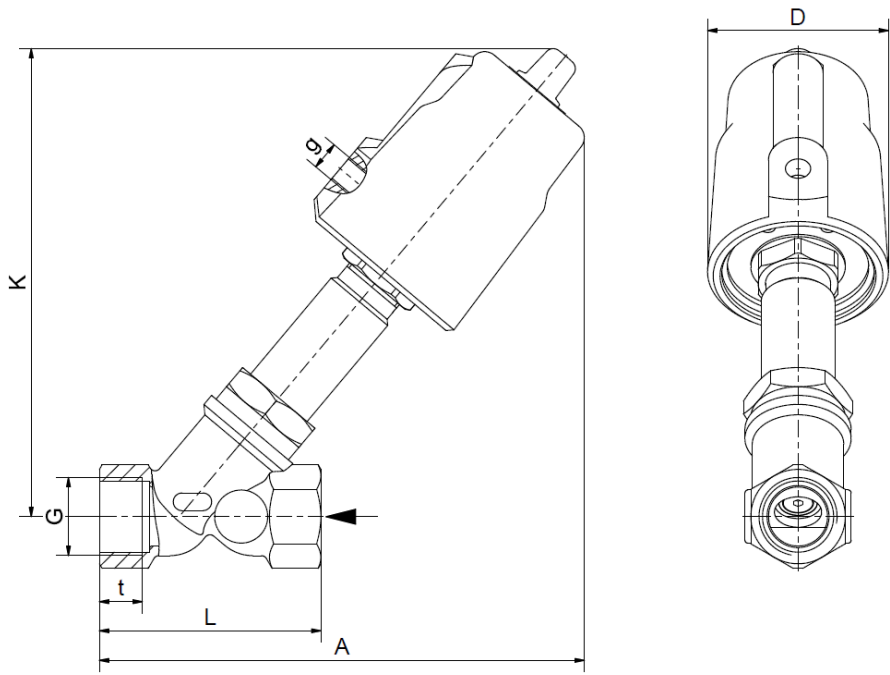
TECHNICAL FEATURES

| | | | | max. pressure with actuator | | | | | |
|-------|-----------|---------------|--------------------|-----------------------------|-----------------|-----------|-----------------|-----------------|-----------------|
| G | Seat Ø mm | Kv-value m³/h | Standard type | 7.05 | | 7.08 | | 7.13 | |
| | | | | Red brass | Stainless steel | Red brass | Stainless steel | Red brass Brass | Stainless steel |
| 1/2 | 13 | 4,6 | .6323/..15/7...-DT | 0-16 | 0-40 | - | - | - | - |
| 3/4 | 18 | 6,4 | .6324/..15/7...-DT | 0-16 | 0-20 | - | 0-40 | - | - |
| 1 | 24 | 8,4 | .6325/..15/7...-DT | 0-16 | 0-16 | 0-16 | 0-25 | - | 0-40 |
| 1 1/4 | 31 | 21,5 | .6326/..15/7...-DT | 0-9 | 0-9 | 0-16 | 0-25 | - | 0-40 |
| 1 1/2 | 35 | 27,0 | .6327/..15/7...-DT | 0-7 | 0-7 | 0-16 | 0-20 | 0-16 | 0-40 |
| 2 | 45 | 45,0 | .6328/..15/7...-DT | - | - | 0-11 | 0-12 | 0-16 | 0-25 |
| 2 1/2 | 63 | 82,0 | .6329/..15/7...-DT | - | - | - | - | 0-10 | - |
| 3 | 76 | 125,0 | .6330/..15/7...-DT | - | - | - | - | 0-10 | - |

| | | | | max. pressure for design closing against the flow | | | | | |
|-------|-----------|---------------|--------------------|---|-----------------|-----------|-----------------|-----------------|-----------------|
| G | Seat Ø mm | Kv-value m³/h | Standard type | 7.15 / 7.55 | | 7.58 | | 7.63 | |
| | | | | Red brass | Stainless steel | Red brass | Stainless steel | Red brass Brass | Stainless steel |
| 1/2 | 13 | 4,6 | .6323/..15/7...-DT | 0-16 | 0-40 | - | - | - | - |
| 3/4 | 18 | 6,4 | .6324/..15/7...-DT | 0-16 | 0-20 | - | 0-25 | - | - |
| 1 | 24 | 8,4 | .6325/..15/7...-DT | 0-8 | 0-10 | 0-16 | 0-22 | - | 0-40 |
| 1 1/4 | 31 | 21,5 | .6326/..15/7...-DT | 0-7 | 0-7 | 0-12 | 0-10 | 0-16 | 0-40 |
| 1 1/2 | 35 | 27,0 | .6327/..15/7...-DT | 0-6 | 0-6 | 0-8 | 0-8 | 0-16 | 0-30 |
| 2 | 45 | 45,0 | .6328/..15/7...-DT | - | - | 0-5 | 0-5 | 0-16 | 0-20 |
| 2 1/2 | 63 | 82,0 | .6329/..15/7...-DT | - | - | - | - | 0-8,5 | - |
| 3 | 76 | 125,0 | .6330/..15/7...-DT | - | - | - | - | 0-5 | - |



DIMENSIONS



| Actuator | 7.05 | | | | | 7.08 | | |
|----------|------|-----------|------|-----------|-------|-------|------|-------|
| Type | 6323 | 6324 | 6325 | 6326 | 6327 | 6324 | 6325 | 6326 |
| G | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 3/4 | 1 | 1 1/4 |
| A | 158 | 165 | 170 | 188 (195) | 200 | (193) | 208 | 217 |
| D | 62 | 62 | 62 | 62 | 62 | (94) | 94 | 94 |
| K | 158 | 161 | 164 | 180 | 187 | (193) | 208 | 217 |
| L | 65 | 75 | 90 | 97 (110) | 120 | (75) | 80 | 97 |
| g | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | (1/8) | 1/8 | 1/8 |
| t | 12 | 14,5 (13) | 15 | 12,5 (17) | 19 | (13) | 10,5 | 12,5 |
| kg | 1,4 | 1,5 | 1,9 | 2,4 | 2,7 | (1,7) | 2,0 | 2,5 |

Values in brackets refer to the standard sealing material for stainless steel version

| Actuator | 7.08 | | 7.13 | | | | | |
|----------|-------|------|--------|-------|-------|------|-------|------|
| Type | 6327 | 6328 | 6325 | 6326 | 6327 | 6328 | 6329 | 6330 |
| G | 1 1/2 | 2 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
| A | 224 | 235 | a.Anf. | (275) | 280 | 385 | 330 | 350 |
| D | 94 | 94 | (140) | (140) | 140 | 140 | 140 | 140 |
| K | 218 | 229 | a.Anf. | (275) | 280 | 285 | 300 | 305 |
| L | 107 | 124 | (80) | (110) | 107 | 124 | 178 | 195 |
| g | 1/8 | 1/8 | (1/4) | (1/4) | 1/4 | 1/4 | 1/4 | 1/4 |
| t | 14,5 | 16,5 | (10,5) | (17) | 14,5 | 16,5 | 28 | 28 |
| kg | 2,9 | 3,2 | a.Anf. | (5,0) | 5,5 | 6,5 | 8,0 | 9,5 |

Values in brackets refer to the standard sealing material for stainless steel version

INFORMATION

- It is imperative to observe the installation and safety instructions in our operating and service manuals.
- For information on our GSR ordering code, please refer to our catalogs. If you have any questions, we will be glad to assist you.
- Required ordering information: valve type, function NC/NO, pressure range, connection, nominal width, medium, flow rate, medium and ambient temperatures, connection voltage.
- **Detailed production-specific drawings and other technical information will be made available when an order is placed**

PLEASE NOTE

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since , in addition to high temperatures , high pressures and high flow rates must also be taken into account when selecting the materials.

All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.

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Stand: 05.18, MK-MG, Version 1.