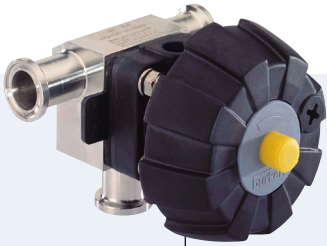


Manually operated T Valve



Type 3234 can be combined with...



Type 2032



Type 3233



Type 3235

- Zero dead volume body - no welds
- Hermetical separation of fluids from the operating mechanism by diaphragm
- Actuator in stainless steel or plastic
- Stainless steel body with clamp or weld ends
- Quality certifications FDA/3A

The Burkert Zero Deadleg T Valve is designed for control of ultra pure, sterile, aggressive or abrasive fluids. Enables especially optimal sampling, draining or diverting of critical process fluids. The valve body is machined from a single piece of block material (monoblock- no weld seam). The high quality diaphragms separate hermetically critical fluids from the actuator. The manual actuator in PPS or stainless steel can be sterilized.

Applications

- Pharma
- Biotechnology
- Food Industry

| Technical data | |
|---|---|
| Body materials | <ul style="list-style-type: none"> • Monoblock stainless steel • 316 L/1.4435/BN2 Fe <0.5%/C≤0.03% |
| Actuator materials | PPS, stainless steel 1.4581 |
| Actuator and bonnet | |
| Diaphragm material | EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), GYLON®/EPDM laminated (ER), FKM (FF) |
| Media | Neutral gases and liquids, high purity, sterile, aggressive or abrasive |
| Viscosity | Up to viscous |
| Surface finish (others on request) | <ul style="list-style-type: none"> • Ra ≤ 0.5 µm (ASME BPE SF1) (external Ra ≤ 1.6 µm) • Ra ≤ 0.38 µm (ASME BPE SF4 / DIN HE4) (external Ra ≤ 1.6 µm) |
| <ul style="list-style-type: none"> • inside mechanical polished • inside electro polished | |
| Medium temperature | |
| EPDM (AD) | - 10 to +143 °C (steam sterilisation + 150 °C for 60 min) |
| PTFE/EPDM (EA) | - 10 to +130 °C (steam sterilisation + 140 °C for 60 min) |
| PTFE/EPDM (EU) | - 5 to +143 °C (steam sterilisation + 150 °C for 60 min) |
| GYLON®/EPDM laminated (ER) | - 5 to +130 °C (steam sterilisation + 140 °C for 60 min) |
| FKM (FF) | 0 to +130 °C (not recommended for steam) |
| Ambient temperature | +5 to +140 °C |
| Port connections | |
| Weld end acc. to | <ul style="list-style-type: none"> • EN ISO 1127/ISO 4200 • DIN 11850 Series 0 to 3 • ASME BPE • SMS 3008 • BS 4825 • ISO 2852 • ASME BPE • DIN 32676 |
| Clamp acc. to | |
| Installation | As required |
| Option | Locking function |
| (on request, not for DN8/10) | |

Technical data, continued

Specifications

| Orifice diaphragm [mm] | K _v value water (m ³ /h) | Max. operating pressure (medium) for seal material EPDM and PTFE/EPDM [bar] |
|------------------------|--|---|
| 8 | 1.0 | 10 |
| 10 | 1.0 | 10 |
| 15 | 6.0 | 10 |
| 20 | 11.0 | 10 |
| 25 | 16.0 | 10 |
| 40 | 29.0 | 10 |
| 50 | 50.0 | 10 ¹⁾ |

¹⁾ Max. operating pressure 7 bar for bonnet and manual actuator in PPS

Orifice DN65, DN80 and DN100 on request

- ▶ Various other Clamp and Sterile threaded end connection combination are available, please consult for advice.

Approvals/certifications

Suitability for foodstuffs / sterile applications

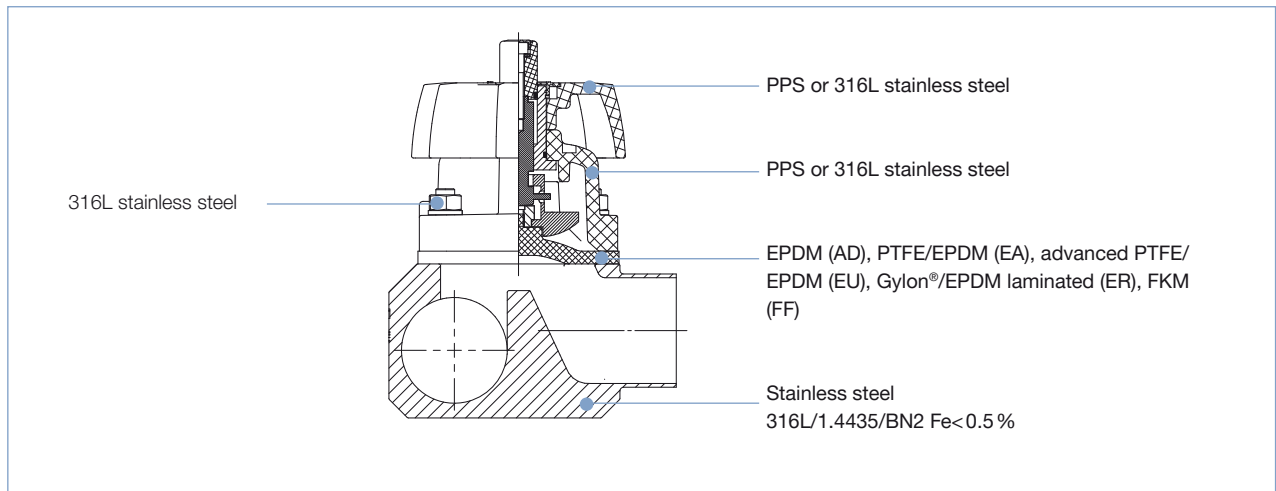


- The composition of the EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) diaphragms corresponds to the Code of Federal Regulations, published by the FDA (Food and Drug Administration, USA).



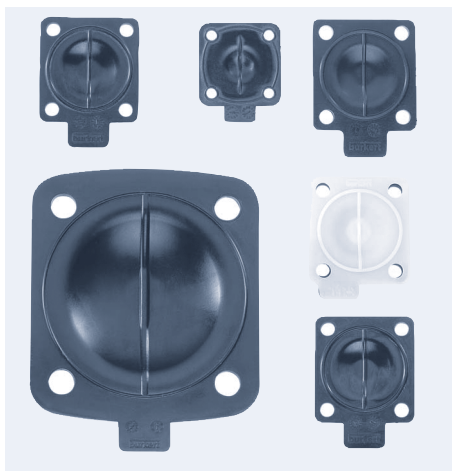
- The composition of the EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) diaphragms is suitable for the application with food and beverage (acc. to EC-Regulation 1935/2004/EC)
- The composition of the EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU) and GYLON®/EPDM laminated (ER) diaphragms are approved acc. USP Class VI
- Approval according to TA-air (Port size DN4 - 50)

Materials



Example of available diaphragm materials

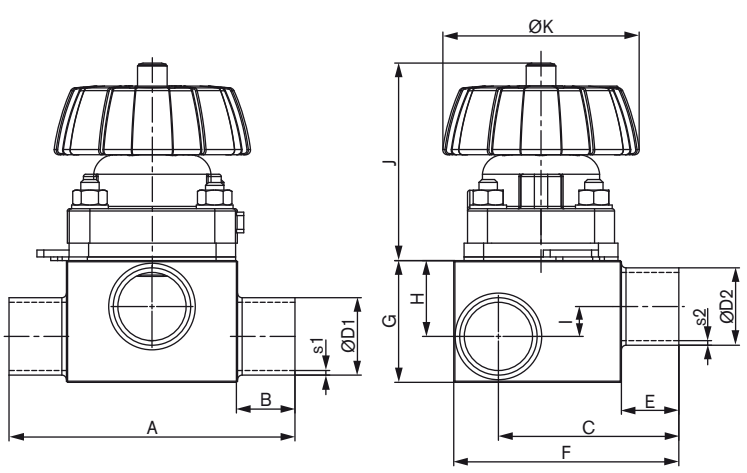
Developed to handle the unique challenges of hygienic and sterile applications, Bürkert offers diaphragms with precise material formula and physical tolerances. Bürkert diaphragms are available in a wide range of materials which have been proven in food & beverage, biotechnology, pharmaceutical and cosmetic industry applications. Bürkert diaphragms are available in a wide range of materials which have been proven in food & beverage, biotechnology, pharmaceutical and cosmetic industry applications. Diaphragms are tested during development and production to ensure reliability in critical processing environments.



- EPDM (AD)
- PTFE/EPDM (EA)
- advanced PTFE/EPDM (EU)
- FKM (FF)
- Gylon®/EPDM laminated (ER)

Dimensions [mm]

Welded body acc. to EN ISO 1127/ISO 4200



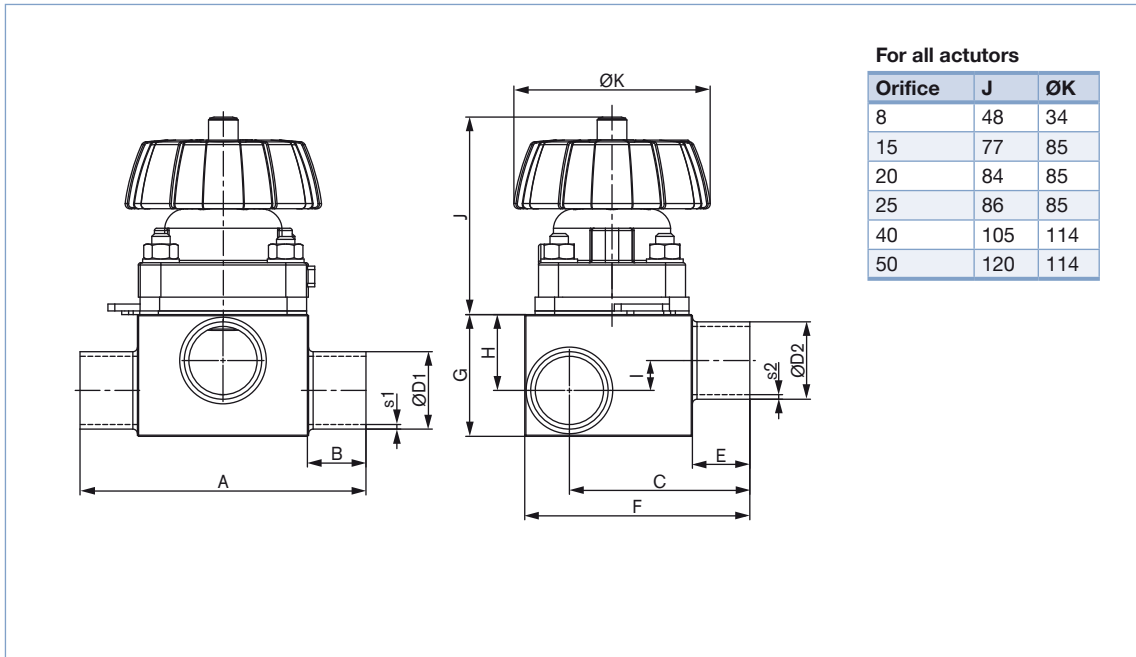
For all actuators

| Orifice | J | ØK |
|---------|-----|-----|
| 8 | 48 | 34 |
| 15 | 77 | 85 |
| 20 | 84 | 85 |
| 25 | 86 | 85 |
| 40 | 105 | 114 |
| 50 | 120 | 114 |

| Orifice | ØD1 | s1 | ØD2 | s2 | A | B | C | E | F | G | H | I |
|---------|------|-----|------|-----|-------|----|--------|----|-----|-----|----|------|
| 8 | 17.2 | 1.6 | 17.2 | 1.6 | 78.0 | 20 | 49.00 | 20 | 60 | 29 | 18 | 8.0 |
| | 21.3 | 1.6 | 17.2 | 1.6 | 78.0 | 20 | 51.05 | 20 | 64 | 34 | 21 | 11.0 |
| | 26.9 | 1.6 | 13.5 | 1.6 | 88.0 | 25 | 53.85 | 20 | 70 | 38 | 23 | 13.0 |
| | 33.7 | 2.0 | 13.5 | 1.6 | 88.0 | 25 | 56.85 | 20 | 76 | 45 | 26 | 16.0 |
| | 42.4 | 2.0 | 13.5 | 1.6 | 88.0 | 25 | 61.20 | 20 | 84 | 52 | 29 | 19.0 |
| | 42.4 | 2.0 | 17.2 | 1.6 | 88.0 | 25 | 61.20 | 20 | 84 | 52 | 29 | 19.0 |
| | 48.3 | 2.0 | 13.5 | 1.6 | 88.0 | 25 | 64.15 | 20 | 90 | 57 | 31 | 21.0 |
| 15 | 13.5 | 1.6 | 13.5 | 1.6 | 93.0 | 20 | 52.05 | 20 | 70 | 27 | 17 | 4.5 |
| | 17.2 | 1.6 | 13.5 | 1.6 | 93.0 | 20 | 53.90 | 20 | 70 | 31 | 18 | 4.5 |
| | 21.3 | 1.6 | 21.3 | 1.6 | 93.0 | 20 | 55.95 | 20 | 71 | 35 | 21 | 6.5 |
| | 26.9 | 1.6 | 21.3 | 1.6 | 103.0 | 25 | 58.75 | 20 | 78 | 42 | 25 | 11.5 |
| | 33.7 | 2.0 | 21.3 | 1.6 | 103.0 | 25 | 62.75 | 20 | 82 | 47 | 28 | 14.5 |
| | 42.4 | 2.0 | 21.3 | 1.6 | 103.0 | 25 | 67.10 | 20 | 91 | 56 | 32 | 18.5 |
| | 48.3 | 2.0 | 13.5 | 1.6 | 103.0 | 25 | 69.05 | 20 | 97 | 61 | 34 | 20.5 |
| | 48.3 | 2.0 | 21.3 | 1.6 | 103.0 | 25 | 69.05 | 20 | 97 | 63 | 35 | 21.5 |
| | 60.3 | 2.0 | 13.5 | 1.6 | 113.0 | 30 | 76.05 | 20 | 109 | 71 | 38 | 24.5 |
| | 60.3 | 2.0 | 21.3 | 1.6 | 113.0 | 30 | 76.05 | 20 | 109 | 72 | 38 | 24.5 |
| 20 | 76.1 | 2.0 | 13.5 | 1.6 | 113.0 | 30 | 83.95 | 20 | 125 | 85 | 44 | 30.5 |
| | 76.1 | 2.0 | 21.3 | 1.6 | 113.0 | 30 | 83.95 | 20 | 125 | 85 | 44 | 30.5 |
| | 88.9 | 2.3 | 13.5 | 1.6 | 113.0 | 30 | 90.05 | 20 | 140 | 99 | 52 | 38.5 |
| | 26.9 | 1.6 | 26.9 | 1.6 | 114.0 | 25 | 70.25 | 25 | 88 | 42 | 24 | 6.0 |
| | 33.7 | 2.0 | 26.9 | 1.6 | 114.0 | 25 | 73.25 | 25 | 94 | 48 | 28 | 10.0 |
| | 42.4 | 2.0 | 26.9 | 1.6 | 114.0 | 25 | 78.60 | 25 | 102 | 57 | 33 | 15.0 |
| | 48.3 | 2.0 | 26.9 | 1.6 | 114.0 | 25 | 80.55 | 25 | 108 | 63 | 35 | 17.0 |
| 25 | 60.3 | 2.0 | 26.9 | 1.6 | 124.0 | 30 | 86.55 | 25 | 121 | 74 | 40 | 22.0 |
| | 76.1 | 2.0 | 26.9 | 1.6 | 124.0 | 30 | 94.45 | 25 | 136 | 86 | 45 | 27.0 |
| | 33.7 | 2.0 | 33.7 | 2.0 | 124.5 | 25 | 78.55 | 25 | 98 | 53 | 33 | 13.0 |
| | 42.4 | 2.0 | 33.7 | 2.0 | 124.5 | 25 | 82.90 | 25 | 107 | 62 | 38 | 18.0 |
| | 76.1 | 2.0 | 33.7 | 2.0 | 134.5 | 30 | 99.75 | 25 | 142 | 94 | 52 | 32.0 |
| 40 | 42.4 | 2.0 | 42.4 | 2.0 | 152.0 | 25 | 97.00 | 25 | 122 | 62 | 37 | 8.4 |
| | 48.3 | 2.0 | 48.3 | 2.0 | 152.0 | 25 | 99.95 | 25 | 128 | 68 | 41 | 12.4 |
| | 60.3 | 2.0 | 48.3 | 2.0 | 162.0 | 30 | 105.95 | 25 | 140 | 82 | 48 | 19.4 |
| | 76.1 | 2.0 | 48.3 | 2.0 | 162.0 | 30 | 113.85 | 25 | 155 | 97 | 55 | 26.4 |
| 50 | 60.3 | 2.0 | 60.3 | 2.0 | 188.0 | 30 | 120.15 | 30 | 154 | 82 | 48 | 12.5 |
| | 76.1 | 2.0 | 60.3 | 2.0 | 188.0 | 30 | 128.05 | 30 | 172 | 100 | 56 | 20.5 |
| | 88.9 | 2.3 | 60.3 | 2.0 | 188.0 | 30 | 134.15 | 30 | 183 | 110 | 61 | 25.5 |

Dimensions [mm], continued

Welded body acc. to ASME BPE



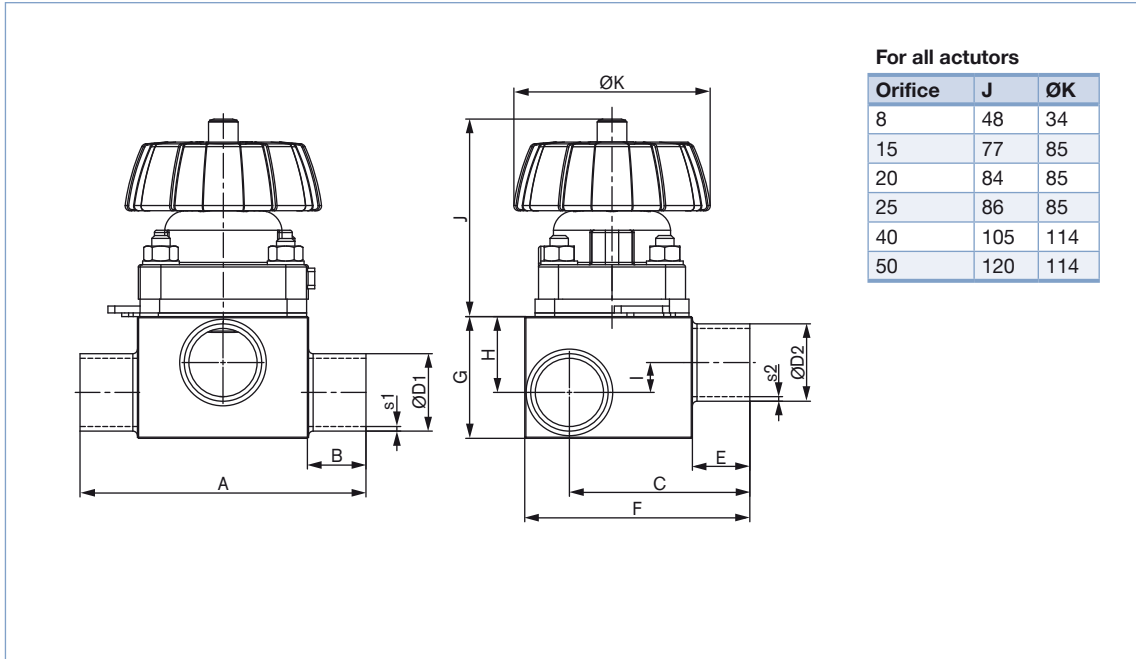
For all actuators

| Orifice | J | ØK |
|---------|-----|-----|
| 8 | 48 | 34 |
| 15 | 77 | 85 |
| 20 | 84 | 85 |
| 25 | 86 | 85 |
| 40 | 105 | 114 |
| 50 | 120 | 114 |

| Orifice | ØD1 | s1 | ØD2 | s2 | A | B | C | E | F | G | H | I |
|---------|-------|------|-------|------|-------|----|--------|----|-----|----|------|------|
| 15 | 12.70 | 1.65 | 12.70 | 1.65 | 93.0 | 20 | 51.60 | 20 | 70 | 27 | 13.5 | 0.0 |
| | 19.05 | 1.65 | 12.70 | 1.65 | 103.0 | 20 | 54.78 | 20 | 70 | 31 | 18.5 | 5.0 |
| | 25.40 | 1.65 | 12.70 | 1.65 | 103.0 | 20 | 57.95 | 20 | 75 | 40 | 24 | 10.5 |
| | 38.10 | 1.65 | 12.70 | 1.65 | 103.0 | 25 | 64.30 | 20 | 88 | 54 | 31 | 17.5 |
| | 50.80 | 1.65 | 12.70 | 1.65 | 113.0 | 30 | 71.65 | 20 | 100 | 64 | 35 | 21.5 |
| | 63.50 | 1.65 | 12.70 | 1.65 | 113.0 | 30 | 78.80 | 20 | 113 | 73 | 38 | 24.5 |
| | 76.20 | 1.65 | 12.70 | 1.65 | 113.0 | 30 | 84.35 | 20 | 125 | 85 | 44 | 30.5 |
| 20 | 19.05 | 1.65 | 19.05 | 1.65 | 114.0 | 25 | 66.28 | 25 | 85 | 36 | 18 | 0.0 |
| | 25.40 | 1.65 | 19.05 | 1.65 | 114.0 | 25 | 69.45 | 25 | 90 | 40 | 24 | 6.0 |
| | 38.10 | 1.65 | 19.05 | 1.65 | 114.0 | 25 | 75.80 | 25 | 98 | 53 | 31 | 13.0 |
| | 50.80 | 1.65 | 19.05 | 1.65 | 124.0 | 30 | 82.15 | 25 | 111 | 66 | 37 | 19.0 |
| | 63.50 | 1.65 | 19.05 | 1.65 | 124.0 | 30 | 88.50 | 25 | 123 | 75 | 40 | 22.0 |
| | 76.20 | 1.65 | 19.05 | 1.65 | 124.0 | 30 | 94.85 | 25 | 137 | 87 | 45 | 27.0 |
| 25 | 25.40 | 1.65 | 25.40 | 1.65 | 124.5 | 25 | 74.75 | 25 | 95 | 42 | 26 | 6.0 |
| | 38.10 | 1.65 | 25.40 | 1.65 | 124.5 | 25 | 81.10 | 25 | 103 | 58 | 36 | 16.0 |
| | 50.80 | 1.65 | 25.40 | 1.65 | 134.5 | 30 | 87.45 | 25 | 120 | 75 | 44 | 24.0 |
| | 63.50 | 1.65 | 25.40 | 1.65 | 134.5 | 30 | 93.80 | 25 | 130 | 83 | 48 | 28.0 |
| | 76.20 | 1.65 | 25.40 | 1.65 | 134.5 | 30 | 100.15 | 25 | 142 | 94 | 52 | 32.0 |
| 40 | 38.10 | 1.65 | 38.10 | 1.65 | 152.0 | 25 | 95.20 | 25 | 121 | 58 | 35 | 6.4 |
| | 50.80 | 1.65 | 38.10 | 1.65 | 162.0 | 30 | 101.55 | 25 | 131 | 72 | 43 | 14.4 |
| 50 | 50.80 | 1.65 | 50.80 | 1.65 | 188.0 | 30 | 115.75 | 30 | 145 | 71 | 42 | 6.5 |
| | 63.50 | 1.65 | 63.50 | 1.65 | 188.0 | 30 | 122.10 | 30 | 158 | 86 | 50 | 14.5 |

Dimensions [mm], continued

Welded body acc. to DIN 11850 Series 0 and 2



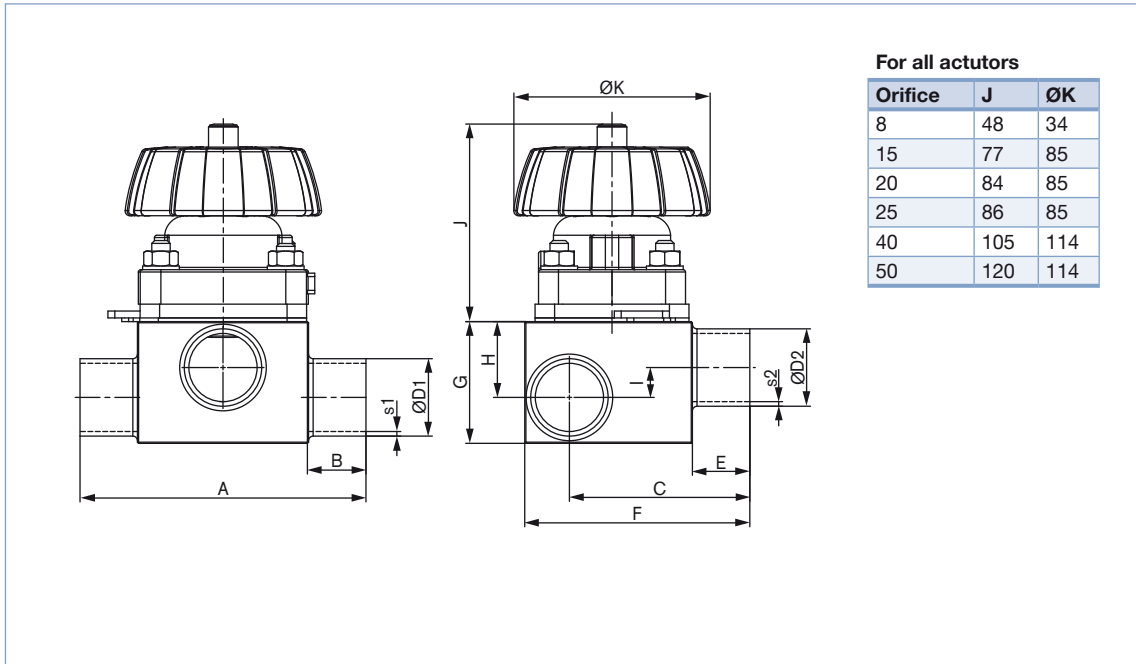
For all actuators

| Orifice | J | ØK |
|---------|-----|-----|
| 8 | 48 | 34 |
| 15 | 77 | 85 |
| 20 | 84 | 85 |
| 25 | 86 | 85 |
| 40 | 105 | 114 |
| 50 | 120 | 114 |

| Orifice | ØD1 | s1 | ØD2 | s2 | A | B | C | E | F | G | H | I |
|-----------------|------|-----|------|-----|-------|----|-------|----|-----|----|------|------|
| Series 0 | | | | | | | | | | | | |
| 08 | 6.0 | 1.0 | 6.0 | 1.0 | 78.0 | 20 | 43.0 | 20 | 60 | 17 | 6.5 | 0.0 |
| | 40.0 | 1.5 | 6.0 | 1.0 | 88.0 | 25 | 60.5 | 20 | 83 | 51 | 29 | 19.0 |
| | 40.0 | 1.5 | 10.0 | 1.0 | 88.0 | 25 | 60.5 | 20 | 83 | 51 | 29 | 19.0 |
| | 52.0 | 1.5 | 6.0 | 1.0 | 98.0 | 30 | 66.5 | 20 | 95 | 60 | 32 | 22.0 |
| 25 | 28.0 | 1.5 | 28.0 | 1.5 | 124.5 | 25 | 76.2 | 25 | 95 | 46 | 29 | 9.0 |
| | 52.0 | 1.5 | 28.0 | 1.5 | 134.5 | 30 | 88.2 | 25 | 117 | 71 | 42 | 22.0 |
| 40 | 28.0 | 1.5 | 34.0 | 1.5 | 152.0 | 25 | 90.3 | 25 | 122 | 58 | 32 | 3.4 |
| | 52.0 | 1.5 | 34.0 | 1.5 | 162.0 | 30 | 102.3 | 25 | 132 | 75 | 45 | 16.4 |
| 50 | 52.0 | 1.5 | 52.0 | 1.5 | 188.0 | 30 | 116.5 | 30 | 147 | 73 | 43 | 7.5 |
| Series 2 | | | | | | | | | | | | |
| 15 | 19.0 | 1.5 | 19.0 | 1.5 | 93.0 | 20 | 54.9 | 20 | 70 | 33 | 20 | 6.5 |
| | 23.0 | 1.5 | 19.0 | 1.5 | 103.0 | 20 | 56.9 | 20 | 72 | 37 | 22.5 | 8.5 |
| | 35.0 | 1.5 | 19.0 | 1.5 | 103.0 | 25 | 62.9 | 20 | 84 | 50 | 29 | 14.5 |
| | 41.0 | 1.5 | 19.0 | 1.5 | 103.0 | 25 | 65.9 | 20 | 91 | 56 | 32 | 18.5 |
| 20 | 23.0 | 1.5 | 23.0 | 1.5 | 114.0 | 25 | 68.4 | 25 | 88 | 42 | 21 | 3.0 |
| | 35.0 | 1.5 | 23.0 | 1.5 | 114.0 | 25 | 74.4 | 25 | 95 | 50 | 29 | 11.0 |
| | 41.0 | 1.5 | 23.0 | 1.5 | 114.0 | 25 | 77.4 | 25 | 101 | 56 | 32 | 14.0 |
| 25 | 29.0 | 1.5 | 29.0 | 1.5 | 124.5 | 25 | 76.7 | 25 | 98 | 48 | 30 | 10.0 |
| 40 | 41.0 | 1.5 | 41.0 | 1.5 | 152.0 | 25 | 96.8 | 25 | 121 | 62 | 37 | 8.4 |
| 50 | 53.0 | 1.5 | 53.0 | 1.5 | 188.0 | 30 | 117.0 | 30 | 147 | 74 | 44 | 8.5 |

Dimensions [mm], continued

Welded body acc. to SMS 3008



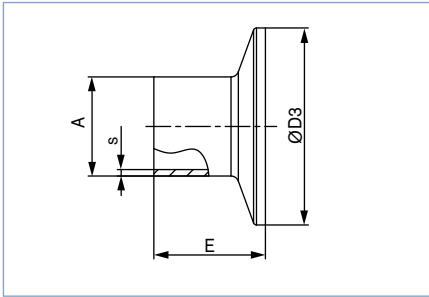
For all actuators

| Orifice | J | ØK |
|---------|-----|-----|
| 8 | 48 | 34 |
| 15 | 77 | 85 |
| 20 | 84 | 85 |
| 25 | 86 | 85 |
| 40 | 105 | 114 |
| 50 | 120 | 114 |

| Orifice | ØD1 | s1 | ØD2 | s2 | A | B | C | E | F | G | H | I |
|---------|------|-----|------|-----|-------|----|-------|----|-----|----|----|------|
| 25 | 25.0 | 1.2 | 25.0 | 1.2 | 124.5 | 25 | 75.0 | 25 | 95 | 43 | 27 | 7.0 |
| | 38.0 | 1.2 | 25.0 | 1.2 | 124.5 | 25 | 81.5 | 25 | 105 | 59 | 36 | 16.0 |
| | 51.0 | 1.2 | 25.0 | 1.2 | 134.5 | 30 | 88.0 | 25 | 118 | 72 | 42 | 22.0 |
| 40 | 38.0 | 1.2 | 38.0 | 1.2 | 152.0 | 25 | 95.6 | 25 | 121 | 58 | 35 | 6.4 |
| | 51.0 | 1.2 | 38.0 | 1.2 | 162.0 | 30 | 102.1 | 25 | 131 | 73 | 44 | 15.4 |
| 50 | 51.0 | 1.2 | 51.0 | 1.2 | 188.0 | 30 | 116.3 | 30 | 147 | 73 | 43 | 7.5 |

Dimensions [mm], continued

Clamp body



ASME BPE

| Orifice [mm] | [inch] | A | s | ØD3 | E |
|-----------------|--------|-------|------|-------|------|
| 08 | ¼" | 6.35 | 0.89 | 25.0 | 28.6 |
| 10 | ⅜" | 9.53 | 0.89 | 25.0 | 28.6 |
| 15 | ½" | 12.7 | 1.65 | 25.0 | 28.6 |
| 20 | ¾" | 19.05 | 1.65 | 25.0 | 28.6 |
| 25 | 1" | 25.4 | 1.65 | 50.5 | 28.6 |
| 40 | 1 ½" | 38.1 | 1.65 | 50.5 | 28.6 |
| 50 | 2" | 50.8 | 1.65 | 64.0 | 28.6 |
| 65 | 2 ½" | 63.5 | 1.65 | 77.5 | 28.6 |
| 80 | 3" | 76.2 | 1.65 | 91.0 | 28.6 |
| 100 | 4" | 101.6 | 2.11 | 119.0 | 28.6 |

DIN 32676

| Orifice [mm] | A | s | ØD3 | E |
|--------------|-----|------|------|------|
| 10 | 1.5 | 34.0 | 18 | 18 |
| 15 | 19 | 1.5 | 34.0 | 18 |
| 20 | 23 | 1.5 | 34.0 | 18 |
| 25 | 29 | 1.5 | 50.5 | 21.5 |
| 32 | 35 | 1.5 | 50.5 | 21.5 |
| 40 | 41 | 1.5 | 50.5 | 21.5 |
| 50 | 53 | 1.5 | 64.0 | 21.5 |
| 65 | 70 | 2.0 | 91.0 | 28 |

ISO 2852 for pipe ISO 4200

| Orifice [mm] | A | s | ØD3 | E |
|--------------|-------|-----|-------|------|
| 8 | 13.5 | 1.6 | 25.0 | 28.6 |
| 8 | 13.5 | 1.6 | 34.0 | 28.6 |
| 10 | 17.2 | 1.6 | 34.0 | 28.6 |
| 15 | 21.3 | 1.6 | 34.0 | 28.6 |
| 15 | 21.3 | 1.6 | 50.5 | 28.6 |
| 20 | 26.9 | 1.6 | 50.5 | 28.6 |
| 25 | 33.7 | 2 | 50.5 | 28.6 |
| 32 | 42.4 | 2 | 50.5 | 28.6 |
| 40 | 48.3 | 2 | 64.0 | 28.6 |
| 50 | 60.3 | 2 | 77.5 | 28.6 |
| 65 | 76.1 | 2 | 91.0 | 28.6 |
| 100 | 114.3 | 2.3 | 130.0 | 28.6 |

SMS

| Orifice [mm] | A | s | ØD3 | E |
|--------------|----|-----|------|------|
| 25 | 25 | 1.2 | 50.5 | 21.5 |
| 40 | 38 | 1.2 | 50.5 | 28.6 |
| 50 | 51 | 1.2 | 64.0 | 28.6 |

Valve features

Example

15 AD B VH SA42 SA42 D050 NO15 + NO14 + NK52 + HA24

Specification key

Please make a choice

Diaphragm size

| | |
|-----|------------------|
| 08 | (only with DO58) |
| 15 | |
| 20 | |
| 25 | |
| 40 | |
| 50 | |
| 80 | |
| 100 | |

SEAL MATERIAL

| | |
|----|-----------------------|
| AD | EPDM |
| EA | PTFE/EPDM |
| EU | advanced PTFE/EPDM |
| ER | Gylon®/EPDM laminated |
| FF | FKM |

PRODUCTION OF BODY

| | |
|---|-----------|
| B | Monoblock |
|---|-----------|

BODY MATERIAL

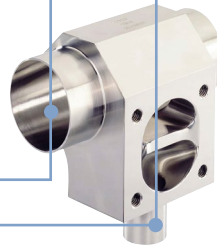
| | |
|----|------------------------------|
| VH | AISI 316L |
| VI | 1.4435 BN ₂ /ASME |

VARIABLE CODES

| Surface finish external | | |
|--------------------------|--|----------|
| - | clamped Ra ≤ 1.6 µm | standard |
| NO19 | mechanical polished Ra ≤ 1.6 µm | |
| NO02 | mechanical polished Ra ≤ 0.76 µm | |
| NO28 | electro polished Ra ≤ 1.6 µm | |
| NO15 | electro polished Ra ≤ 0.76 µm | |
| Surface finish, internal | | |
| NO14 | mechanical polished Ra ≤ 0.5 µm (ASME BPE SF1) | standard |
| NO06 | mechanical polished Ra ≤ 0.76 µm (ASME BPE SF3 / DIN H2) | |
| NO17 | electro polished Ra ≤ 0.38 µm (ASME BPE SF4 / DIN HE4) | standard |
| NO16 | electro polished Ra ≤ 0.6 µm (ASME BPE SF6) | |
| Certificate | | |
| NK52 | 3.1 Certificate | |
| Handwheel | | |
| HA24 | with locking function | |

ACTUATOR VERSION

| | | |
|------|---|------------------------------|
| D050 | Top PPS Handwheel PPS | not possible with orifice 08 |
| D058 | Top stainless steel, Handwheel PPS for T-valve | |



Flange 1 (main tube) connection

Flange 2

| Orifice | DIN EN ISO 1127 ISO 4200 DIN 11866 series B | SMS 3008 | DIN 11850 series 0 | DIN 11850 series 1 DIN EN 10357 series B | DIN 11850 series 2 DIN 11866 series A DIN EN 10357 series A | DIN 11850 series 3 | BS 4825 | ASME BPE DIN 11866 series C |
|---------|--|---------------------------------|---------------------------------|--|--|----------------------------|----------------|-----------------------------------|
| DN 4 | | | SC40-6.0×1.0 | | | | | |
| DN 6 | 1/8" | SA78-10.2×1.6 | SC41-8.0×1.0 | | | | | SA89-3.17×0.56 |
| DN 8 | 1/4" | SA40-13.5×1.6 | SC42-10.0×1.0 | | | | SODB-6.35×1.2 | SA90-6.35×0.89 |
| DN 10 | 3/8" | SA41-17.2×1.6 | | SF40-12.0×1.0 | SD40-13.0×1.5 | SE40-14.0×2.0 | SODC-9.53×1.2 | SA91-9.53×0.89 |
| DN 15 | 1/2" | SA42-21.3×1.6 | SC43-18.0×1.5 | SF41-18.0×1.0 | SD42-19.0×1.5 | SE42-20.0×2.0 | SODD-12.7×1.2 | SA92-12.7×1.65 |
| DN 20 | 3/4" | SA43-26.9×1.6 | SC44-22.0×1.5 | SF42-22.0×1.0 | SD43-23.0×1.5 | SE43-24.0×2.0 | SODE-19.05×1.2 | SA93-19.05×1.65 |
| DN 25 | 1" | SA44-33.7×2.0 | SA60-25.0×1.2 | SC45-28.0×1.5 | SF43-28.0×1.0 | SD44-29.0×1.5 | SE44-30.0×2.0 | SODF-25.4×1.65 |
| DN 32 | 1 1/4" | SA45-42.4×2.0 | SA61-33.7×1.2 | SC46-34.0×1.5 | SF44-34.0×1.0 | SD45-35.0×1.5 | SE45-36.0×2.0 | |
| DN 40 | 1 1/2" | SA46-48.3×2.0 | SA62-38.0×1.2 | SC47-40.0×1.5 | SF45-40.0×1.0 | SD46-41.0×1.5 | SE46-42.0×2.0 | SODH-38.1×1.65 |
| DN 50 | 2" | SA47-60.3×2.0 | SA63-51.0×1.2 | SC48-52.0×1.5 | SF46-52.0×1.0 | SD47-53.0×1.5 | SE47-54.0×2.0 | SODI-50.8×1.65 |
| DN 65 | 2 1/2" | SA48-76.1×2.0 | SA64-63.5×1.6 | | | SD48-70.0×2.0 | | SODJ-63.5×1.65 |
| DN 80 | 3" | SA49-88.9×2.3 | SA65-76.1×1.6 | | | SD49-85.0×2.0 | | SODK-76.2×1.65 |
| DN 100 | 4" | SA39-114.3×2.3 | SA66-101.6×2.0 | | | SD50-104.0×2.0 | | SODL-101.6×2.11 |
| Orifice | Clamp 34.0 similar DIN 32676 series B (ISO-tube) | DIN 32676 Reihe A (DIN-Rohr) | DIN 32676 Reihe B (ISO-Rohr) | ASME BPE | BS 4825 Clamp BS 4825-3 Rohr BS 4825-1 | | | |
| DN 8 | 1/4" | TC51-13.5×1.6 CI: 34.0 | TD40-10.0×1.0 CI: 25.0 | TC40-13.5×1.6 CI: 25.0 | TG 01-6.35×0.89 CI: 25.0 | TH40-6.35×1.2 CI: 25.0 | | |
| DN 10 | 3/8" | TC41-17.2×1.6 CI: 34.0 | TD41-13.0×1.5 CI: 34.0 | TC53-17.2×1.6 CI: 25.0 | TG 02-9.53×0.89 CI: 25.0 | TH41-9.53×1.2 CI: 25.0 | | |
| DN 15 | 1/2" | TC42-21.3×1.6 CI: 34.0 | TD42-19.0×1.5 CI: 34.0 | TC52-21.3×1.6 CI: 50.5 | TG 03-12.7×1.65 CI: 25.0 | TH42-12.7×1.2 CI: 25.0 | | |
| DN 20 | 3/4" | | TD43-23.0×1.5 CI: 34.0 | TC43-26.9×1.6 CI: 50.5 | TG 04-19.05×1.65 CI: 25.0 | TH43-19.05×1.2 CI: 25.0 | | |
| DN 25 | 1" | | TD44-29.0×1.5 CI: 50.5 | TC44-33.7×2.0 CI: 50.5 | TG 05-25.4×1.65 CI: 50.5 | TG 04-25.4×1.65 CI: 50.5 | | |
| DN 40 | 1 1/2" | | TD46-41.0×1.5 CI: 50.5 | TC46-48.3×2.0 CI: 64.0 | TG 06-38.1×1.65 CI: 50.5 | TG 05-38.1×1.65 CI: 50.5 | | |
| DN 50 | 2" | | TD47-53.0×1.5 CI: 64.0 | TC47-60.3×2.0 CI: 77.5 | TG 07-63.5×1.65 CI: 77.5 | TG 06-50.8×1.65 CI: 64.0 | | |
| DN 65 | 2 1/2" | | TD48-70.0×2.0 CI: 91.0 | TC48-76.1×2.0 CI: 91.0 | TG 08-76.2×1.65 CI: 91.0 | TG 07-63.5×1.65 CI: 77.5 | | |
| DN 80 | 3" | | | TC49-88.9×2.3 CI: 106.0 | TG 09-101.6×2.11 CI: 119.0 | TG 08-76.2×1.65 CI: 91.0 | | |
| DN 100 | 4" | | | TC50-114.3×2.3 CI: 130.0 | | TG 09-101.6×2.11 CI: 119.0 | | |

In case of special application conditions, please consult for advice.

Subject to alteration.
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