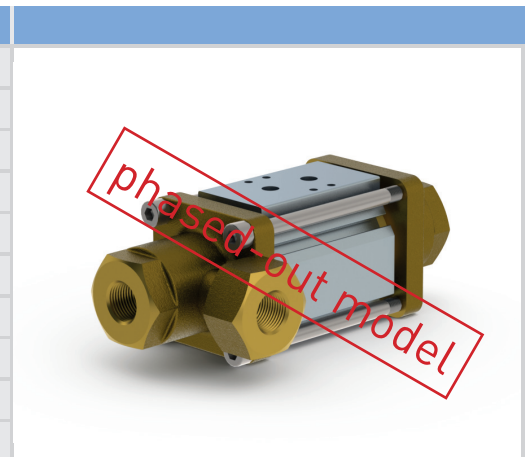


| nominal specifications | |
|--|--|
| 3/2-way coaxial valve | externally controlled |
| pressure range | 0-40 bar / 0-600 psi |
| connection | thread |
| function | NC - normally closed, flow A → C NO - normally open, flow A → B |
| design | pressure balanced, with spring return |
| body materials parts in contact with media | brass |
| seal materials seat / dynamic / static | PTFE / FPM / FPM customer to verify seal / seat compatibility with media |
| media | gaseous - liquid - highly viscous - gelatinous - contaminated |
| actuator connection | G 1/8 / FNPT 1/8 with NAMUR pilot valve interface |



| technical data | CXF 10 DR | CXF 15 DR | CXF 20 DR | CXF 25 DR |
|----------------------------|---|---|---|---|
| orifice | DN 10 | DN 15 | DN 20 | DN 25 |
| threads | G 3/8 / FNPT 3/8 | G 1/2 / FNPT 1/2 | G 3/4 / FNPT 3/4 | G 1 / FNPT 1 |
| Kv-value A → B / A → C | 2,2 m³/h / 1,9 m³/h | 5,3 m³/h / 3,9 m³/h | 9,4 m³/h / 6,7 m³/h | 13,0 m³/h / 11,0 m³/h |
| media temperature | -20 °C to +100 °C | -20 °C to +100 °C | -20 °C to +100 °C | -20 °C to +100 °C |
| ambient temperature | -20 °C to +60 °C | -20 °C to +60 °C | -20 °C to +60 °C | -20 °C to +60 °C |
| pneumatic actuation | pilot valve optional | pilot valve optional | pilot valve optional | pilot valve optional |
| actuation pressure | 4-8 bar / 60-120 psi | 4-8 bar / 60-120 psi | 4-8 bar / 60-120 psi | 4-8 bar / 60-120 psi |
| switching time opening | 120 ms to 3000 ms | 140 ms to 3000 ms | 160 ms to 3000 ms | 200 ms to 3000 ms |
| switching time closing | 200 ms to 3000 ms | 240 ms to 3000 ms | 240 ms to 3000 ms | 280 ms to 3000 ms |
| vacuum leak rate | < 10 ⁻⁴ mbar•l•s ⁻¹ | < 10 ⁻⁴ mbar•l•s ⁻¹ | < 10 ⁻⁴ mbar•l•s ⁻¹ | < 10 ⁻⁴ mbar•l•s ⁻¹ |
| flow direction | A → B / A → C B → A | A → B / A → C B → A | A → B / A → C B → A | A → B / A → C B → A |
| length L1 / L2 | 166 mm / 50 mm | 200 mm / 70 mm | 229 mm / 80 mm | 249 mm / 90 mm |
| length L3 / L4 | 37 mm / 32 mm | 60 mm / 38,5 mm | 72 mm / 45,5 mm | 80 mm / 48 mm |
| weight without pilot valve | 1,5 kg / 3,31 lb | 3,0 kg / 6,61 lb | 4,4 kg / 9,70 lb | 6,1 kg / 13,45 lb |

| accessories optional | order-codes | | | |
|------------------------------------|-------------|-------------|-------------|-------------|
| 5/2 way pilot valve NAMUR DC 24 V | 1 3 4 5 7 9 | 1 3 4 5 7 9 | 1 3 4 5 7 9 | 1 3 4 5 7 9 |
| 5/2 way pilot valve NAMUR AC 110 V | 1 3 4 5 8 1 | 1 3 4 5 8 1 | 1 3 4 5 8 1 | 1 3 4 5 8 1 |
| 5/2 way pilot valve NAMUR AC 230 V | 1 3 4 5 8 0 | 1 3 4 5 8 0 | 1 3 4 5 8 0 | 1 3 4 5 8 0 |
| mounting brackets stainless steel | 1 3 4 5 7 5 | 1 3 4 5 7 6 | 1 3 4 5 7 7 | 1 3 4 5 7 8 |
| limit switch REED (AC/DC 10-30 V) | 1 3 4 5 7 4 | 1 3 4 5 7 4 | 1 3 4 5 7 4 | 1 3 4 5 7 4 |

| drawings | circuit symbols | valve order-code |
|----------|---|--|
| | <p>function: NC closed when not energized</p> <p>function: NO open when not energized</p> | <p>9 8 3 1</p> <p>NC = 7 NO = 8</p> <p>DN 10 G 3/8 = 1 DN 10 FNPT 3/8 = 5 DN 15 G 1/2 = 2 DN 15 FNPT 1/2 = 6 DN 20 G 3/4 = 3 DN 20 FNPT 3/4 = 7 DN 25 G 1 = 4 DN 25 FNPT 1 = 8</p> |