



ECON® 3-Way ball valve Type: 7760ED Stainless steel Pneumatic operated Double acting Internal thread (BSPP) 1000 PSI WOG



Mounted, pneumatically operated 3-way ball valve, consisting of: Econ® ball valve (type: 7760) and double-acting pneumatic Econ® actuator (type: 7902).

The pneumatically operated 3-way ball valve is configured according to the following basic principles: Pneumatic pilot pressure at 6 bar, medium is water, medium temperature is max. 100°C, ball valve is actuated at least a few times daily, actuator structure according to Eriks standard.

Characteristics

Type: 7760ED
Norm: EN (DIN)
Construction type: 3-way
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (BSPP)
Actuator: Pneumatic operated
Operating principle: Double acting
Top flange standard: ISO 5211 Direct Mount
Angular rotation: 90 °
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Body seal: PTFE
Actuator material: Aluminium

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 68 bar.
- Recommended in: Food & Beverages

Technical Information

- Connection according to ISO 228-1 BSPP.
- Floating ball with L or T bore
- Pressure class 1000 PSI WOG
- In sizes 0.25 inches.
- The 3-way ball valve (floating ball) is intended to be used as a distribution valve. Pressure on the "closed" outlet may lead to leakages at the other outlets [medium].
- Actuator with multifunctional position indicator, suitable for mechanical limit switches or double proximity sensors.
- Air supply and upper flanged connection of drive in accordance with NAMUR VDI/VDE 3845.

Construction

- Design in accordance with MSS SP-110.
- Reduced bore.
- Equipped with anti-static design between ball, spindle and housing.

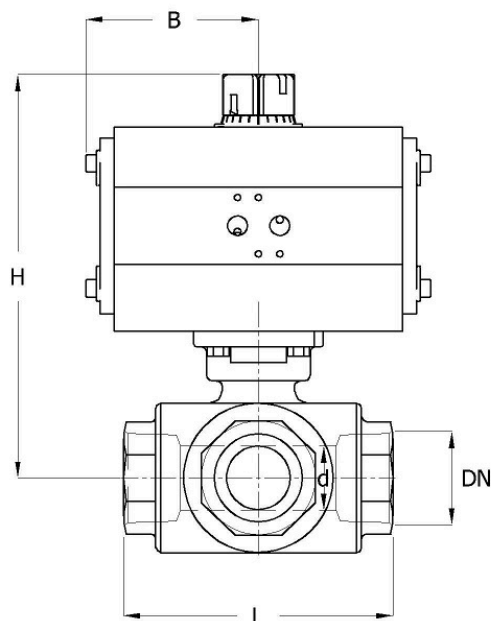
Approval

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.

Options

- With single acting pneumatic drive, type 7760ES
- End of service life signalling through switch box or double sensor, type 79650 to 79659
- Positioner, type 3304
- Namur control valve, type 33580
- Stainless-steel extended spindle for insulation (type 8007)
- Connection in NPT according to ASME B1.20.1.

Ball Valves | Automated ball valves with threaded connection



Size table:

| DN | d mm | L mm | H mm | B mm | Weight kg |
|-------------|---------|---------|---------|---------|--------------|
| 1/4" [8] | 11 | 79 | 138 | 72.5 | 2.3 |
| 3/8" [10] | 11 | 79 | 138 | 72.5 | 2.2 |
| 1/2" [15] | 11 | 79 | 138 | 72.5 | 2.2 |
| 3/4" [20] | 15 | 88 | 145 | 72.5 | 2.5 |
| 1" [25] | 20 | 108 | 175 | 78 | 4 |
| 1.1/4" [32] | 25 | 124 | 178 | 78 | 5.1 |
| 1.1/2" [40] | 32 | 135 | 211 | 88.5 | 7.2 |
| 2" [50] | 40 | 164 | 220 | 88.5 | 10 |

| Pressure and temperature range | | | | | | | |
|--------------------------------|-------------------|-----|----|-----|-----|-----|-------|
| Size | Temperature range | -29 | 38 | 100 | 150 | 200 | [°C] |
| 1/4" - 2" | -29°C/+200°C | 68 | 68 | 44 | 22 | 1 | [bar] |
| Pressure class 1000 PSI WOG | | | | | | | |

| Nominal inner diameter | Standard thread connection | Pressure rating | Type coding actuator | Brand actuator | Ball bore | Bore | Material ball | Seat material | Spindle material | Article |
|------------------------|----------------------------|-----------------|----------------------|----------------|-----------|--------------|---------------|---------------|------------------|----------|
| 1/4" [8] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533618 |
| 1/4" [8] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533610 |
| 3/8" [10] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533619 |
| 3/8" [10] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533611 |
| 1/2" [15] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533612 |
| 1/2" [15] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533620 |
| 3/4" [20] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533613 |
| 3/4" [20] | ISO 228-1 | 1000 PSI WOG | DA20 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533621 |
| 1" [25] | ISO 228-1 | 1000 PSI WOG | DA40 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533614 |
| 1" [25] | ISO 228-1 | 1000 PSI WOG | DA40 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533622 |
| 1.1/4" [32] | ISO 228-1 | 1000 PSI WOG | DA40 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533615 |
| 1.1/4" [32] | ISO 228-1 | 1000 PSI WOG | DA40 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533623 |
| 1.1/2" [40] | ISO 228-1 | 1000 PSI WOG | DA80 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533624 |
| 1.1/2" [40] | ISO 228-1 | 1000 PSI WOG | DA80 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533616 |
| 2" [50] | ISO 228-1 | 1000 PSI WOG | DA80 | ECON | T-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533625 |
| 2" [50] | ISO 228-1 | 1000 PSI WOG | DA80 | ECON | L-bore | Reduced bore | 1.4408 | RPTFE | 1.4401 | 12533617 |

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