



ECON® Ball valve Type: 1607ES Brass Pneumatic operated Single acting, spring closing Internal thread (BSPP) PN25/40

Mounted pneumatically operated 2-way ball valve consisting of: Two-piece Econ® ball valve (type: 1607ISO) and single-acting pneumatic Econ® actuator (type: 7901).

The pneumatically operated 2-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: 1607ES
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 2-part
Housing material: Brass
Material quality: CW617N
Surface protection: Nickel-plated
Connection: Internal thread (BSPP)
Actuator: Pneumatic operated
Operating principle: Single acting, spring closing
Top flange standard: ISO 5211 Direct Mount
Primary spindle seal material: PTFE
Secondary spindle seal material: HNBR
Tertiary spindle seal material: PTFE
Body seal: PTFE
Actuator material: Aluminium
Minimum medium temperature (continuous): 0 °C
Maximum medium temperature (continuous): 130 °C

Application

- HVAC, water and compressed air systems.

Technical Information

- Connections with female threads in accordance with EN 10226-1 (ISO 7/1).
- Available in sizes ranging from 1/2" to 2".
- Pressure class PN40 for 0.5-1.25 inch and PN25 for 1.5-2 inch
- 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

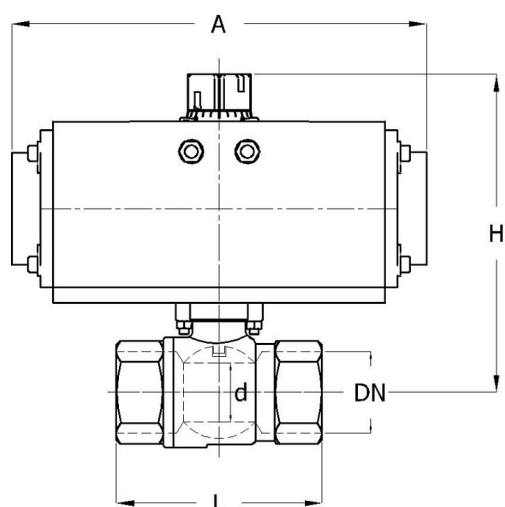
- Two-piece housing construction.
- Design in accordance with EN 13828.
- Full bore.
- Face-to-face dimension according to manufacturer's standard.

Options

- With double acting pneumatic drive, type 1607ED
- End of service life signalling through switch box or double sensor, type 79650 to 79659
- Positioner, type 3303
- Namur control valve, type 33580

Ball Valves | Automated ball valves with threaded connection

Size table:



DN	d mm	L mm	H mm	A mm	Weight kg
1/2" [15]	15	75	134	163	1.72
3/4" [20]	20	80	136.5	163	1.81
1" [25]	25	90	140	163	2.04
1.1/4" [32]	32	110	170	195	3.17
1.1/2" [40]	40	120	198.5	217	4.76
2" [50]	50	140	210	217	5.59

Size	Pressure class	Pressure and temperature range			
		-20	90	130	[°C]
1/2" - 1.1/4"	PN40	40	25	16	[bar]
1.1/2" - 2"	PN25	25	15	10	[bar]

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Bore	Material ball	Seat material	Spindle material	Article
1/2" [15]	ISO 7/1 Rp	PN40	Manufacturer standard	SR20	ECON	Full bore	CW614N chromed	PTFE	Brass	13475756
3/4" [20]	ISO 7/1 Rp	PN40	Manufacturer standard	SR20	ECON	Full bore	CW614N chromed	PTFE	Brass	13475757
1" [25]	ISO 7/1 Rp	PN40	Manufacturer standard	SR20	ECON	Full bore	CW614N chromed	PTFE	Brass	13475758
1.1/4" [32]	ISO 7/1 Rp	PN25	Manufacturer standard	SR40	ECON	Full bore	CW614N chromed	PTFE	Brass	13475759
1.1/2" [40]	ISO 7/1 Rp	PN25	Manufacturer standard	SR80	ECON	Full bore	CW614N chromed	PTFE	Brass	13475760
2" [50]	ISO 7/1 Rp	PN25	Manufacturer standard	SR80	ECON	Full bore	CW614N chromed	PTFE	Brass	13475761

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