



ECON® Butterfly valve Type: 6824ED Ductile cast iron/ Aluminum bronze Pneumatic operated Double acting Lug type

Mounted pneumatically operated butterfly valve, consisting of: Econ® wafer-type butterfly valve [type: 6820] and double-acting pneumatic Econ® actuator [type: 7902].

The pneumatically operated butterfly valve is configured according to the following basic principles: The pneumatic pilot pressure is 6bar, the medium is water, the butterfly valve is operated at least a few times a day, and the actuator is set-up according to the Eriks standard.

Characteristics

Type: 6824ED
Norm: EN (DIN)
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Polyester powder coating min. 200µm
Connection: Lug type
Standard connection: EN (DIN)
Face to Face norm: EN 558, Series 20
Operation: Pneumatic operated
Operating principle: Double acting
Brand actuator: ECON
Top flange standard: ISO 5211 Direct Mount
Housing lining: Replaceable
Disk material: Aluminum bronze
Quality class disc: CC333G
Actuator material: Aluminium

Application

- Industrial applications such as water, hydrocarbons and slightly corrosive fluids and gases.
- Supply systems (HVAC).
- Especially suitable for sea water due to the aluminium bronze valve disc.
- Vacuum systems.

Technical Information

- With replaceable lining, vulcanised on a phenol or aluminium back-up ring.
- Long neck for insulation purposes.
- Housing with polyester powder coating, minimum thickness of 200 µm and RAL colour 5015.
- Version with pneumatic, double-acting actuator.
- Actuator with multifunctional position indicator, suitable for mechanical limit switches or double proximity sensors.
- Air supply and upper flanged connection of actuator in accordance with NAMUR VDI/VDE 3845.
- Dimensions in DN25 to DN600 [1" to 24"].
- Flanged connection pressure class for DN25 to DN150 [1" to 6"]: PN10 and PN16 or class 150, DN200 to DN600 [8" to 24"]: PN10, PN16 or class 150.
- Maximum medium temperature depending on the lining: EPDM: -10°C to +110°C, NBR: -10°C to +80°C, FPM (FKM): -10°C to +180°C.

Construction

- Threaded eye connection.
- Design in accordance with EN 593, API 609 and ASME B16.34.
- Standard design with pressure class PN16 for DN25 to DN150 and PN10 or PN16 for DN200 to DN600.
- Construction length in accordance with EN 558 series 20, ISO 5752 series 20 and API 609 category A.
- Suitable for fitting with flanges in accordance with EN 1092-1 (flange type 11) and ASME B16.5.
- Bi-directional bubble-tight sealing in accordance with EN 12266 and API 598.

Options

- With single-acting pneumatic actuator (figure 6824ES).
- Switch box or sensors for position feedback.
- Positioner, figure 3304.

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- Namur solenoid valve, figure 33580.

Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face length	Type coding actuator	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous)	Maximum medium temperature (continuous)	Article
			mm					°C	°C	
DN40	PN16	PN10/16	33	DA20	EPDM	Stainless steel	1.4006	-10	110	13537753
DN40	PN16	PN10/16	33	DA20	NBR	Stainless steel	1.4006	-10	80	13537723
DN50	PN16	PN10/16	43	DA20	EPDM	Stainless steel	1.4006	-10	110	13537754
DN50	PN16	PN10/16	43	DA20	NBR	Stainless steel	1.4006	-10	80	13537724
DN65	PN16	PN10/16	46	DA20	EPDM	Stainless steel	1.4006	-10	110	13537755
DN65	PN16	PN10/16	46	DA20	NBR	Stainless steel	1.4006	-10	80	13537725
DN80	PN16	PN10/16	46	DA40	EPDM	Stainless steel	1.4006	-10	110	13537756
DN80	PN16	PN10/16	46	DA40	NBR	Stainless steel	1.4006	-10	80	13537726
DN100	PN16	PN10/16	52	DA80	EPDM	Stainless steel	1.4006	-10	110	13537757
DN100	PN16	PN10/16	52	DA80	NBR	Stainless steel	1.4006	-10	80	13537727
DN125	PN16	PN10/16	56	DA80	EPDM	Stainless steel	1.4006	-10	110	13537758
DN125	PN16	PN10/16	56	DA80	NBR	Stainless steel	1.4006	-10	80	13537728
DN150	PN16	PN10/16	56	DA130	EPDM	Stainless steel	1.4006	-10	110	13537759
DN150	PN16	PN10/16	56	DA130	NBR	Stainless steel	1.4006	-10	80	13537729
DN200	PN10	PN10	60	DA200	EPDM	Stainless steel	1.4057	-10	110	13537760
DN200	PN10	PN10	60	DA200	NBR	Stainless steel	1.4057	-10	80	13537730
DN300	PN10	PN10	78	DA850	EPDM	Stainless steel	1.4057	-10	110	13537762
DN300	PN10	PN10	78	DA850	NBR	Stainless steel	1.4057	-10	80	13537732
DN350	PN10	PN10	78	DA1200	EPDM	Stainless steel	1.4057	-10	110	13537763
DN350	PN10	PN10	78	DA1200	NBR	Stainless steel	1.4057	-10	80	13537733
DN400	PN10	PN10	102	DA1750	EPDM	Stainless steel	1.4057	-10	110	13537764
DN450	PN10	PN10	114	DA2100	EPDM	Stainless steel	1.4057	-10	110	13537765
DN450	PN10	PN10	114	DA2100	NBR	Stainless steel	1.4057	-10	80	13537735
DN500	PN10	PN10	127	DA2100	EPDM	Stainless steel	1.4057	-10	110	13537766
DN500	PN10	PN10	127	DA2100	NBR	Stainless steel	1.4057	-10	80	13537736
DN600	PN10	PN10	154	DA2500	EPDM	Stainless steel	1.4057	-10	110	13537767
DN600	PN10	PN10	154	DA2500	NBR	Stainless steel	1.4057	-10	80	13537737

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