



ECON® Butterfly valve Type: 6831 Ductile cast iron/Stainless steel Centric Squeeze handle Lug type

Characteristics

Type: 6831
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
Face to Face norm: EN 558, Series 20
Operation: Squeeze handle
Top flange standard: ISO 5211 Direct Mount
Housing lining: Replaceable
Disk material: Stainless steel
Actuator material: Malleable cast iron
Minimum medium temperature (continuous): -10 °C

Application

- Industrial applications such as water, hydrocarbons and slightly corrosive fluids and gases.
- Supply systems (HVAC), greenhouse construction, pulp and paper.
- Vacuum systems.
- Recommended in: Utilities

Technical Information

- With replaceable lining, vulcanised on a phenol or aluminium back-up ring.
- One-piece spindle in an anti-blowout design.
- With "direct mount" top-flange in accordance with ISO 5211.
- Long neck for insulation purposes.
- Three-point spindle bearing for excellent life cycle management.
- Grooved connection between the spindle and the valve disc for DN25 to DN200.
- Bronze bearing bushings.
- Housing with polyester powder coating, minimum thickness of 200 µm and RAL colour 5015.
- Version with handle.
- Dimensions in DN25 to DN200 [1" to 8"].
- Flanged connection pressure class for DN25 to DN150 [1" to 6"]: PN10 and PN16 or class 150, DN200 [8"]: 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.
- 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.

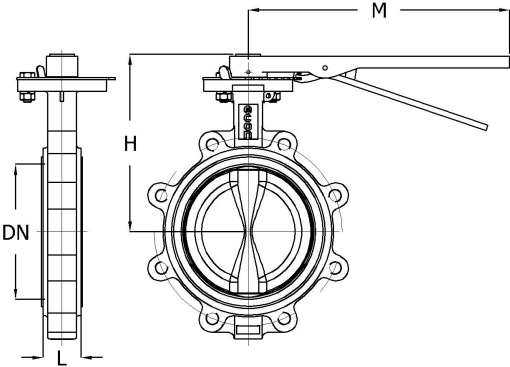
Options

- Worm gearbox, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.
- Certified in accordance with DVGW (gas), with figure 68311.
- PTFE-coated EPDM lining in accordance with EC 1935 and FDA with figure 6831TFM.

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Size table:

DN	H	L	M	Weight
	mm	mm	mm	kg
DN40	145	33	195	2.8
DN50	173	43	265	4.4
DN80	192	46	265	5.5
DN100	212	52	265	8.3
DN125	228	56	265	11
DN150	242	56	328	12
DN200	277	60	386	18.7



Pressure and temperature range				
DN	Liner	Pressure rating	Temperature range	Max. working pressure
DN25-DN150	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+110°C	16 bar
DN200	NBR or EPDM	PN10	NBR -10°/+80°C, EPDM -10°/+110°C	10 bar

Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Material liner	Quality class disc	Spindle material	Quality class spindle	Maximum medium temperature (continuous)	Article
				mm					°C	
DN40	EN (DIN)	PN16	PN10/16	33	EPDM	1.4408	Stainless steel	1.4006	110	12954307
DN40	EN (DIN)	PN16	PN10/16	33	NBR	1.4408	Stainless steel	1.4006	80	EC06831E040-CBBA
DN50	EN (DIN)	PN16	PN10/16	43	EPDM	1.4408	Stainless steel	1.4006	110	EC06831E050-CBAA
DN50	EN (DIN)	PN16	PN10/16	43	NBR	1.4408	Stainless steel	1.4006	80	EC06831E050-CBBA
DN80	EN (DIN)	PN16	PN10/16	46	EPDM	1.4408	Stainless steel	1.4006	110	EC06831E080-CBAA
DN80	EN (DIN)	PN16	PN10/16	46	NBR	1.4408	Stainless steel	1.4006	80	EC06831E080-CBBA
DN100	EN (DIN)	PN16	PN10/16	52	EPDM	1.4408	Stainless steel	1.4006	110	EC06831E100-CBAA
DN100	EN (DIN)	PN16	PN10/16	52	NBR	1.4408	Stainless steel	1.4006	80	EC06831E100-CBBA
DN125	EN (DIN)	PN16	PN10/16	56	EPDM	1.4408	Stainless steel	1.4006	110	EC06831E125-CBAA
DN125	EN (DIN)	PN16	PN10/16	56	NBR	1.4408	Stainless steel	1.4006	80	EC06831E125-CBBA
DN150	EN (DIN)	PN16	PN10/16	56	EPDM	1.4408	Stainless steel	1.4006	110	EC06831E150-CBAA
DN150	EN (DIN)	PN16	PN10/16	56	NBR	1.4408	Stainless steel	1.4006	80	EC06831E150-CBBA

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Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Material liner	Quality class disc	Spindle material	Quality class spindle	Maximum medium temperature (continuous)	Article
				mm					°C	
DN200	EN (DIN)	PN16	PN16	60	EPDM	1.4408	Stainless steel	1.4057	110	EC06831E200-CBAA

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