



ECON® Butterfly valve Type: 6830 Ductile cast iron/Stainless steel Centric Bare stem Lug type

Characteristics

Type: 6830
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: Bare stem
Top flange standard: ISO 5211 Direct Mount
Housing lining: Replaceable
Disk material: Stainless steel
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 DN300, larger formats have a plug-in connection between the spindle and the valve disc.
- Bronze bearing bushings.
- Housing with polyester powder coating, minimum thickness of 200 µm and RAL colour 5015.
- Version with free shaft end (no actuation).
- 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

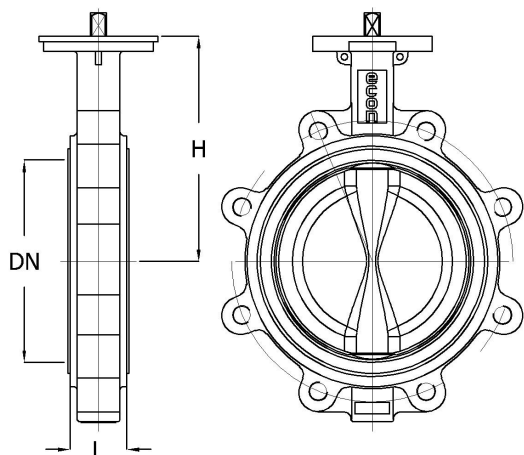
- Manually operated, worm gearbox, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.
- Certified in accordance with DVGW (gas), with figure 68301.
- PTFE-coated EPDM lining in accordance with

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EC 1935 and FDA with figure 6830TFM.

Size table:

DN	H	L	Weight
	mm	mm	kg
DN40	115	33	2.3
DN50	143	43	3.6
DN65	156	46	4.2
DN80	162	46	4.7
DN100	181	52	7.5
DN125	197	56	10.2
DN150	210	56	11
DN200	240	60	17
DN250	286	68	31
DN300	309	78	44
DN350	329	78	70
DN400	361	102	92
DN450	393	114	120
DN500	427	127	165
DN600	492	154	210



Pressure and temperature range				
DN	Liner	Pressure rating	Temperature range	Max. working pressure
DN25-DN300	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+110°C	16 bar
DN200-DN600	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	EC06830E04-0CAAA
DN40	EN [DIN]	PN16	PN10/16	33	NBR	1.4408	Stainless steel	1.4006	80	EC06830E04-0CABA
DN50	EN [DIN]	PN16	PN10/16	43	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E050-CAAA
DN50	EN [DIN]	PN16	PN10/16	43	NBR	1.4408	Stainless steel	1.4006	80	EC06830E050-CABA
DN65	EN [DIN]	PN16	PN10/16	46	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E065-CAAA
DN65	EN [DIN]	PN16	PN10/16	46	NBR	1.4408	Stainless steel	1.4006	80	EC06830E065-CABA
DN80	EN [DIN]	PN16	PN10/16	46	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E08-0CAAA
DN80	EN [DIN]	PN16	PN10/16	46	NBR	1.4408	Stainless steel	1.4006	80	EC06830E08-0CABA

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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	
DN100	EN (DIN)	PN16	PN10/16	52	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E100-CAAA
DN100	EN (DIN)	PN16	PN10/16	52	NBR	1.4408	Stainless steel	1.4006	80	EC06830E100-CABA
DN125	EN (DIN)	PN16	PN10/16	56	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E125-CAAA
DN125	EN (DIN)	PN16	PN10/16	56	NBR	1.4408	Stainless steel	1.4006	80	EC06830E125-CABA
DN150	EN (DIN)	PN16	PN10/16	56	EPDM	1.4408	Stainless steel	1.4006	110	EC06830E150-CAAA
DN150	EN (DIN)	PN16	PN10/16	56	NBR	1.4408	Stainless steel	1.4006	80	EC06830E150-CABA
DN200	EN (DIN)	PN10	PN10	60	EPDM	1.4408	Stainless steel	1.4057	110	EC06830E200-DAAA
DN200	EN (DIN)	PN16	PN16	60	EPDM	1.4408	Stainless steel	1.4057	110	13332649
DN200	EN (DIN)	PN16	PN16	60	NBR	1.4408	Stainless steel	1.4057	80	EC06830E200-CABA
DN250	EN (DIN)	PN10	PN10	68	EPDM	1.4408	Stainless steel	1.4057	110	13548577
DN250	EN (DIN)	PN16	PN16	68	EPDM	1.4408	Stainless steel	1.4057	110	13548579
DN300	EN (DIN)	PN10	PN10	78	EPDM	1.4408	Stainless steel	1.4057	110	13548547
DN300	EN (DIN)	PN10	PN10	78	NBR	1.4408	Stainless steel	1.4057	80	13548574
DN300	EN (DIN)	PN16	PN16	78	EPDM	1.4408	Stainless steel	1.4057	110	13548580
DN300	EN (DIN)	PN16	PN16	78	NBR	1.4408	Stainless steel	1.4057	80	13548576
DN350	EN (DIN)	PN10	PN10	78	EPDM	1.4408	Stainless steel	1.4057	110	EC06830E350-DAAA
DN350	EN (DIN)	PN10	PN10	78	NBR	1.4408	Stainless steel	1.4057	80	EC06830E350-DABA
DN350	EN (DIN)	PN16	PN16	78	NBR	1.4408	Stainless steel	1.4057	80	EC06830E350-CABA
DN400	EN (DIN)	PN10	PN10	102	NBR	1.4408	Stainless steel	1.4057	80	EC06830E40-0DABA
DN450	EN (DIN)	PN10	PN10	114	EPDM	1.4408	Stainless steel	1.4057	110	EC06830E45-0DAAA
DN500	EN (DIN)	PN10	PN10	127	EPDM	1.4408	Stainless steel	1.4057	110	EC06830E500-DAAA
DN500	EN (DIN)	PN10	PN10	127	NBR	1.4408	Stainless steel	1.4057	80	EC06830E500-DABA
DN600	EN (DIN)	PN10	PN10	154	EPDM	1.4408	Stainless steel	1.4057	110	EC06830E60-0DAAA
DN600	EN (DIN)	PN10	PN10	154	NBR	1.4408	Stainless steel	1.4057	80	EC06830E60-0DABA

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