ECON® Butterfly valve Type: 6821 Ductile cast iron/Aluminum bronze Squeeze handle Lug type

Characteristics

Type: 6821
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: Squeeze handle
Top flange standard: ISO 5211 Direct Mount
Housing lining: Replaceable
Disk material: Aluminum bronze
Quality class disc: CC333G
Actuator material: Malleable cast iron

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.
- 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.

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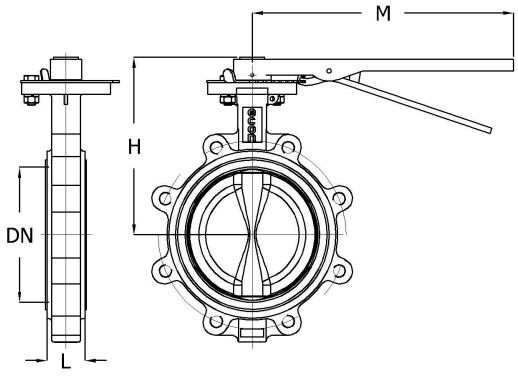

Size table:

DN	H	L	M	Weight
	mm	mm	mm	kg
DN32	145	32	195	2.6
DN40	145	33	195	2.8
DN50	173	43	265	4.4
DN65	186	46	265	5
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	Pressure rating	Pressure rating flange	Face to Face length	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous)	Maximum medium temperature (continuous)	Article
			mm				°C	°C	
DN32	PN16	PN10/16	32	EPDM	Stainless steel	1.4006	-10	110	13332769
DN32	PN16	PN10/16	32	NBR	Stainless steel	1.4006	-10	80	13332761
DN40	PN16	PN10/16	33	EPDM	Stainless steel	1.4006	-10	110	13332770
DN40	PN16	PN10/16	33	NBR	Stainless steel	1.4006	-10	80	13332762
DN50	PN16	PN10/16	43	EPDM	Stainless steel	1.4006	-10	110	13332771
DN50	PN16	PN10/16	43	NBR	Stainless steel	1.4006	-10	80	13332763
DN65	PN16	PN10/16	46	EPDM	Stainless steel	1.4006	-10	110	13332772
DN65	PN16	PN10/16	46	NBR	Stainless steel	1.4006	-10	80	13332764
DN80	PN16	PN10/16	46	EPDM	Stainless steel	1.4006	-10	110	13332773
DN80	PN16	PN10/16	46	NBR	Stainless steel	1.4006	-10	80	13332765
DN100	PN16	PN10/16	52	EPDM	Stainless steel	1.4006	-10	110	13332774
DN100	PN16	PN10/16	52	NBR	Stainless steel	1.4006	-10	80	13332766
DN125	PN16	PN10/16	56	EPDM	Stainless steel	1.4006	-10	110	13332775
DN125	PN16	PN10/16	56	NBR	Stainless steel	1.4006	-10	80	13332767
DN150	PN16	PN10/16	56	EPDM	Stainless steel	1.4006	-10	110	13332776
DN150	PN16	PN10/16	56	NBR	Stainless steel	1.4006	-10	80	13332768
DN200	PN16	PN16	60	NBR	Stainless steel	1.4057	-10	80	13332788

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