



ECON® Butterfly valve Type: 6822 Ductile cast iron/ Aluminum bronze Gearbox Lug type

Characteristics

Type: 6822
Norm: EN [DIN]
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Epoxy coating (in- and external)
Connection: Lug type
Standard connection: EN [DIN]
Face to face norm: EN 558, Series 20
Operation: Gearbox
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.
- One-piece spindle in an anti-blowout design.
- With "direct mount" top-flange in accordance with ISO5211.
- Long neck for insulation purposes.
- Three-point spindle bearing for excellent life cycle management.
- Grooved connection between the spindle and the valve disc for DN50 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 200µm and RAL colour 5015.
- Version with aluminium worm gearbox.
- Dimensions for DN50 to DN400 [2" to 16"].
- Flanged connection pressure class for DN50 to DN150 [2" to 6"]: PN10 and PN16 or class 150, DN200 to DN400 [8" to 16"]: 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 EN593, API609 and ASMEB16.34.
- Standard design with pressure class PN16 for DN50 to DN150 and PN10 or PN16 for DN200 to DN400.
- Construction length in accordance with EN558 series20, ISO5752 series20 and API609 categoryA.
- Suitable for fitting with flanges in accordance with EN1092-1 [flange type 11] and ASMEB16.5.
- Bi-directional bubble-tight sealing in accordance with EN12266 and API598.

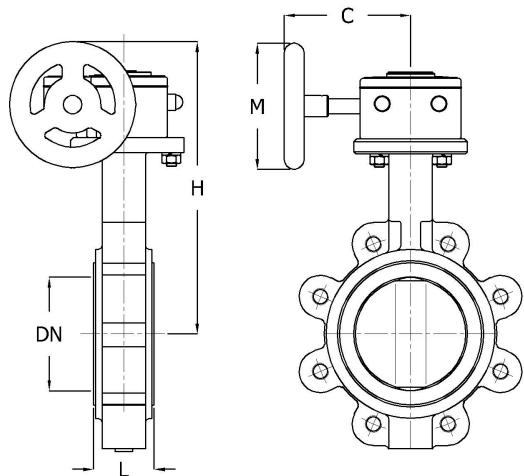
Options

- Lever operated, pneumatic, electric or [electro-] hydraulic actuators.
- Position feedback for manually operated or automated valves.

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Size table:

DN	C mm	H mm	L mm	M mm	Weight kg
DN200	179	347	60	160	20
DN250	197	414	68	200	35.4
DN300	197	462	78	200	48.4
DN350	376	485	78	400	76
DN400	376	517	102	400	98



Pressure and temperature range				
DN	Liner	Pressure class	Temperature range	Max. working pressure
DN200-DN300	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+110°C	16 bar
DN200-DN400	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 mm	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous) °C	Maximum medium temperature (continuous) °C	Article
DN200	PN10	PN10	60	EPDM	Stainless steel	1.4057	-10	110	13332811
DN200	PN10	PN10	60	NBR	Stainless steel	1.4057	-10	80	13332800
DN200	PN16	PN16	60	EPDM	Stainless steel	1.4057	-10	110	13332810
DN200	PN16	PN16	60	NBR	Stainless steel	1.4057	-10	80	13332799
DN250	PN10	PN10	68	NBR	Stainless steel	1.4057	-10	80	13332802
DN250	PN16	PN16	68	NBR	Stainless steel	1.4057	-10	80	13332801
DN300	PN10	PN10	78	EPDM	Stainless steel	1.4057	-10	110	13332815
DN300	PN10	PN10	78	NBR	Stainless steel	1.4057	-10	80	13332804
DN300	PN16	PN16	78	EPDM	Stainless steel	1.4057	-10	110	13332814
DN300	PN16	PN16	78	NBR	Stainless steel	1.4057	-10	80	13332803
DN350	PN10	PN10	78	EPDM	Stainless steel	1.4057	-10	110	13332816
DN350	PN10	PN10	78	NBR	Stainless steel	1.4057	-10	80	13332805
DN400	PN10	PN10	102	EPDM	Stainless steel	1.4057	-10	110	13332817
DN400	PN10	PN10	102	NBR	Stainless steel	1.4057	-10	80	13332806

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