ECON® Butterfly valve Type: 6832 Ductile cast iron/Stainless steel Gearbox Lug type

Characteristics

Type: 6832
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: Stainless steel
Quality class disc: 1.4408
Actuator material: Aluminium

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 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 200 µm and RAL colour 5015.
- Version with worm gearbox.
- Dimensions for DN50 to DN600 (2" to 24").
- Flanged connection pressure class for DN50 to DN300 (2" 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.

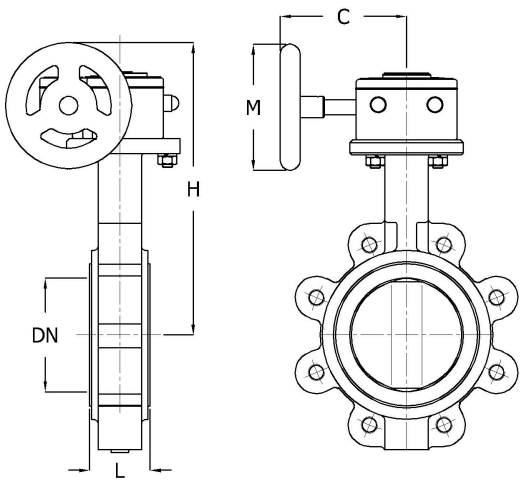
Construction

- Threaded eye connection.
- Design in accordance with EN 593, API 609 and ASME B16.34.
- Standard design with pressure class PN16 for DN50 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, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.

PR20395238126729 64_EN_29.06.2024



Size table:

DN	C	H	L	M	Weight
	mm	mm	mm	mm	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	Material liner	Spindle material	Quality class spindle	Minimum medium temperature (continuous)	Maximum medium temperature (continuous)	Article
			mm				°C	°C	
DN200	PN10	PN10	60	EPDM	Stainless steel	1.4057	-10	110	13332914
DN200	PN10	PN10	60	NBR	Stainless steel	1.4057	-10	80	13332903
DN200	PN16	PN16	60	EPDM	Stainless steel	1.4057	-10	110	13332913
DN200	PN16	PN16	60	NBR	Stainless steel	1.4057	-10	80	13332902
DN250	PN10	PN10	68	EPDM	Stainless steel	1.4057	-10	110	13332916
DN250	PN10	PN10	68	NBR	Stainless steel	1.4057	-10	80	13332905
DN250	PN16	PN16	68	EPDM	Stainless steel	1.4057	-10	110	13332915
DN250	PN16	PN16	68	NBR	Stainless steel	1.4057	-10	80	13332904
DN300	PN10	PN10	78	EPDM	Stainless steel	1.4057	-10	110	13332918
DN300	PN10	PN10	78	NBR	Stainless steel	1.4057	-10	80	13332907
DN300	PN16	PN16	78	EPDM	Stainless steel	1.4057	-10	110	13332917
DN300	PN16	PN16	78	NBR	Stainless steel	1.4057	-10	80	13332906
DN350	PN10	PN10	78	EPDM	Stainless steel	1.4057	-10	110	13332919
DN350	PN10	PN10	78	NBR	Stainless steel	1.4057	-10	80	13332908
DN400	PN10	PN10	102	EPDM	Stainless steel	1.4057	-10	110	13332920
DN400	PN10	PN10	102	NBR	Stainless steel	1.4057	-10	80	13332909

PR20395238126729 64_EN_29.06.2024