



ECON® Butterfly valve Type: 6823 Ductile cast iron/ Aluminum bronze Gearbox Lug type

Characteristics

Type: 6823
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: 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 ISO5211.
- Long neck for insulation purposes.
- Three-point spindle bearing for excellent life cycle management.
- 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 cast iron worm gearbox.
- Dimensions for DN450 to DN600 [18" to 24"].
- Flanged connection pressure class for DN450 to DN600 [18" 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

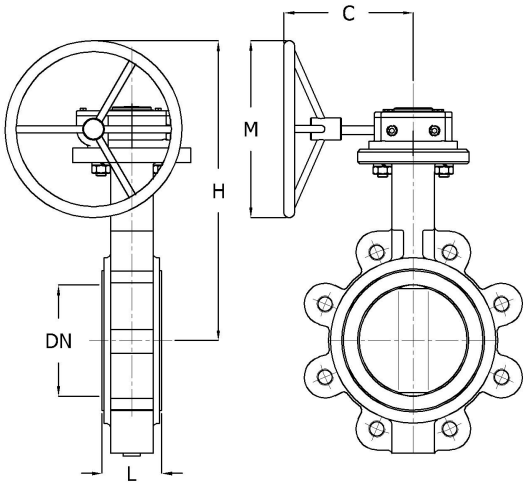
- Threaded eye connection.
- Design in accordance with EN593, API609 and ASMEB16.34.
- Standard design with pressure class PN10 or PN16 for DN450 to DN600.
- Construction length in accordance with EN558 series20, ISO5752 series20 and API609 categoryA.
- Suitable for fitting with flanges in accordance with EN1092-1 (flange type 11) and ASMEB16.5.
- Bi-directional bubble-tight sealing in accordance with EN12266 and API598.

Options

- Pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.

Size table:

DN	C	H	L	M	Weight
	mm	mm	mm	mm	kg
DN450	426	641	114	400	145
DN500	367	682	127	400	190
DN600	367	747	154	400	190



Pressure and temperature range				
DN	Liner	Pressure class	Temperature range	Max. working pressure
DN450-DN600	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	
DN450	PN10	PN10	114	EPDM	Stainless steel	1.4057	-10	110	13332818
DN450	PN10	PN10	114	NBR	Stainless steel	1.4057	-10	80	13332807
DN500	PN10	PN10	127	EPDM	Stainless steel	1.4057	-10	110	13332819
DN500	PN10	PN10	127	NBR	Stainless steel	1.4057	-10	80	13332808
DN600	PN10	PN10	154	EPDM	Stainless steel	1.4057	-10	110	13332820
DN600	PN10	PN10	154	NBR	Stainless steel	1.4057	-10	80	13332809

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.