



ECON® Butterfly valve Type: 6722 Ductile cast iron/ Aluminum bronze Gearbox Wafer type

Characteristics

Type: 6722
Norm: EN (DIN)
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Polyester powder coating min. 200µm
Connection: Wafer type
Standard connection: EN (DIN)/ ASME
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 worm aluminium gearbox.
- Dimensions for DN50 to DN400 (2" to 16").
- Flanged connection pressure class for DN50 to DN300 (2" to 12"): PN6, PN10, PN16 and class 150, DN350 to DN400 (14" to 16"): PN10, PN16 and 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

- Wafer connection type.
- 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.

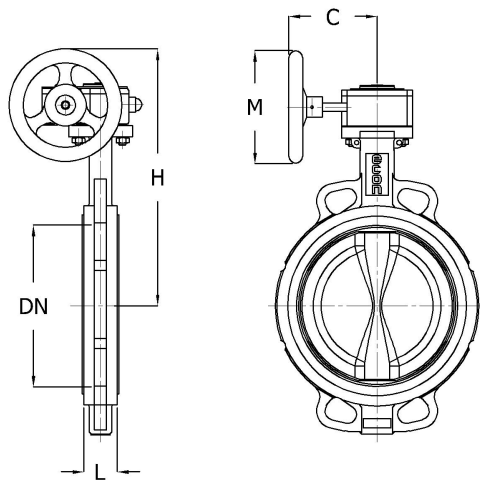
Options

- Manually operated, 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	120	345	60	160	13.6
DN250	200	433	68	250	23.6
DN300	200	473	78	250	32.2
DN350	225	565	78	400	46.2
DN400	225	577	102	400	61.9



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 - 8"	PN10	PN6/10/16 and Class 150	60	EPDM	Stainless steel	1.4057	-10	110	13332827
DN200 - 8"	PN10	PN6/10/16 and Class 150	60	NBR	Stainless steel	1.4057	-10	80	13332822
DN250 - 10"	PN10	PN6/10/16 and Class 150	68	EPDM	Stainless steel	1.4057	-10	110	13332828
DN300 - 12"	PN10	PN6/10/16 and Class 150	78	EPDM	Stainless steel	1.4057	-10	110	13332829
DN300 - 12"	PN10	PN6/10/16 and Class 150	78	NBR	Stainless steel	1.4057	-10	80	13332824
DN350 - 14"	PN10	PN10/16 and Class 150	78	EPDM	Stainless steel	1.4057	-10	110	13332830
DN350 - 14"	PN10	PN10/16 and Class 150	78	NBR	Stainless steel	1.4057	-10	80	13332825
DN400 - 16"	PN10	PN10/16 and Class 150	102	EPDM	Stainless steel	1.4057	-10	110	13332831
DN400 - 16"	PN10	PN10/16 and Class 150	102	NBR	Stainless steel	1.4057	-10	80	13332826

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