ECON® Butterfly valve Type: 6423 Ductile cast iron/ Aluminum bronze Gearbox Lug type

Characteristics

Type: 6423
Norm: EN (DIN)
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Epoxy coating (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: EN-JL1040

Application

- Industrial applications such as water, hydrocarbons and slightly corrosive fluids and gases.
- Especially suitable for sea water due to the aluminium bronze valve disc.
- Supply systems (HVAC).
- Recommended in: Chemical

Technical Information

- Fitted with replaceable lining.
- One-piece spindle in an anti-blowout design with a two-piece spindle from DN 350.
- With direct mount top-flange in accordance with ISO 5211.
- Three-point spindle bearing for excellent life cycle management.
- Grooved connection between spindle and valve disc.
- The body is provided with a two-layer epoxy coating with the upper layer in RAL 5015.
- Suitable as an end fitting up to the maximum pressure class for DN 50-DN 200 and for DN 250 and above with a maximum pressure difference of 6 bar.
- With worm gearbox.
- Dimensions in DN 50-DN 600 (2" to 24").
- Flanged connection pressure class for DN 50–DN 600 (2" to 24"): PN 10, PN 16.
- Maximum medium temperature depends on the lining: EPDM -10 to +140°C, NBR -10 to +100°C, FPM (FKM) -10 to +204°C.

Construction

- Socket outlet type.
- Design according to EN 593, API 609 and ASME B16.34.
- The pressure class of the standard design is PN 16 for DN 50 to DN 200 and PN 10 for DN 250 to DN 600.
- Construction length according to EN 558 series 20, ISO 5752 series 20 and API 609 category A.
- Suitable for mounting with flanges according to EN 1092-2.
- Bi-directional bubble-tight sealing according to EN 12266 rate A and API 598.

Options

- Available as a wafer type (series 63).
- Equipped with lever and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- Available with other lining materials: white EPDM EC1935, black EPDM EC1935, HNBR, silicone, CR (neoprene) and CSM (Hypalon).
- Available with valve disc in stainless steel, Hastelloy, Monel, Inconel, titanium or Uranus-B.
- Available with a steel or stainless steel body.
- DN 250 to DN 600 in pressure class PN 16.
- Socket outlet according to class 150.
- The shut-off valve is also available in a design that meets the requirements of EC1935. This standard applies to all materials that come into direct or indirect contact with food.

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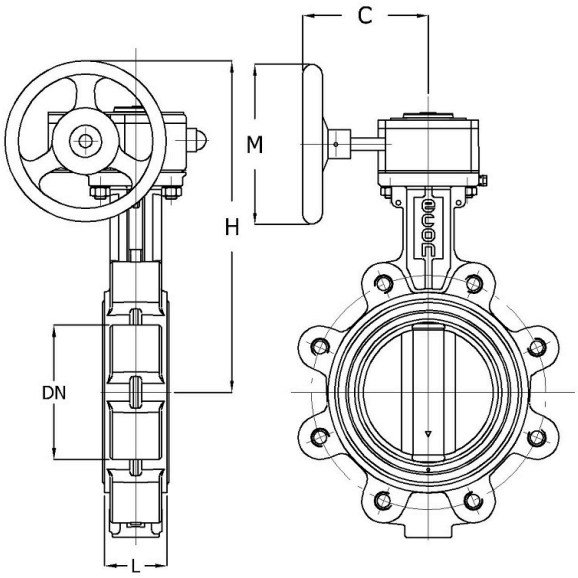

Size table:

DN	C	H	L	M	Weight
	mm	mm	mm	mm	kg
DN50	100	220	43	100	4.9
DN65	100	232	46	100	5.6
DN80	100	239	46	100	6.6
DN100	100	258	52	100	7.5
DN125	159	294	56	125	11.1
DN150	159	307	56	125	13
DN200	159	369	60	125	18.1
DN250	159	415	68	200	25
DN300	265	508	78	315	40.5

Pressure and temperature range					
Size	Liner	Pressure rating	Temperature range	Maximum operating pressure	
DN50-DN200	NBR or EPDM	PN16	NBR -10°/+100°C, EPDM -10°/+140°C	16	[bar]
DN200-DN300	NBR or EPDM	PN10	NBR -10°/+100°C, EPDM -10°/+140°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)	Maximum pressure difference as end valve	Article
			mm				°C	°C	bar	
DN50	PN16	PN10/16	43	EPDM	Stainless steel	1.4006	-10	140	16	13357431
DN50	PN16	PN10/16	43	NBR	Stainless steel	1.4006	-10	100	16	13357422
DN65	PN16	PN10/16	46	EPDM	Stainless steel	1.4006	-10	140	16	13357432
DN65	PN16	PN10/16	46	NBR	Stainless steel	1.4006	-10	100	16	13357423
DN80	PN16	PN10/16	46	EPDM	Stainless steel	1.4006	-10	140	16	13357433
DN80	PN16	PN10/16	46	NBR	Stainless steel	1.4006	-10	100	16	13357424
DN100	PN16	PN10	52	EPDM	Stainless steel	1.4006	-10	140	16	13357434
DN100	PN16	PN10	52	NBR	Stainless steel	1.4006	-10	100	16	13357425
DN125	PN16	PN10	56	EPDM	Stainless steel	1.4006	-10	140	16	13357435
DN125	PN16	PN10	56	NBR	Stainless steel	1.4006	-10	100	16	13357426
DN150	PN16	PN10/16	56	EPDM	Stainless steel	1.4006	-10	140	16	13357436
DN150	PN16	PN10/16	56	NBR	Stainless steel	1.4006	-10	100	16	13357427
DN200	PN10	PN10	60	EPDM	Stainless steel	1.4006	-10	140	10	13357437
DN200	PN10	PN10	60	NBR	Stainless steel	1.4006	-10	100	10	13357428
DN250	PN10	PN10	68	EPDM	Stainless steel	1.4006	-10	140	6	13357438
DN250	PN10	PN10	68	NBR	Stainless steel	1.4006	-10	100	6	13357429
DN300	PN10	PN10	78	EPDM	Stainless steel	1.4006	-10	140	6	13357439
DN300	PN10	PN10	78	NBR	Stainless steel	1.4006	-10	100	6	13357430

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