



ECON® Butterfly valve Type: 6721 Ductile cast iron/Aluminum bronze Centric Squeeze handle Wafer type

Characteristics

Type: 6721

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

Face to Face norm: EN 558, Series 20

Operation: Squeeze handle

Top flange standard: ISO 5211 Direct Mount

Housing lining: Replaceable

Disk material: Aluminum bronze

Spindle material: Stainless steel

Minimum medium temperature (continuous): -10 °C

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 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 DN25 to DN200.
- Bronze bearing bushings.
- Housing with polyester powder coating, minimum thickness of 200 µm and RAL colour 5015.
- Version with handle.
- Dimensions in DN25 to DN200 (1" to 8").
- Flanged connection pressure class for DN25 to DN200 (1" to 8"): PN6, 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

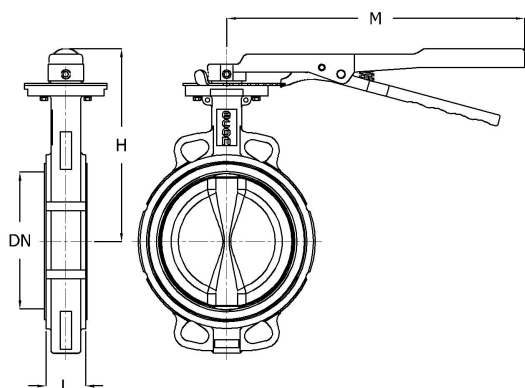
- Wafer connection type.
- Design in accordance with EN 593, API 609 and ASME B16.34.
- Standard design with pressure class PN16 for DN25 to DN150 and PN10 or PN16 for DN200.
- Construction length in accordance with EN 558 series 20, ISO 5752 series 20 and API 609 category A.
- Suitable for fitting with 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, worm gearbox, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.

Size table:

DN	H mm	L mm	M mm	Weight kg
DN25	145	32	195	2.1
DN32	145	32	195	2.2
DN40	145	33	195	2.5
DN50	173	43	265	3.5
DN65	186	46	265	4.4
DN80	192	46	265	4.7
DN100	209	52	265	5.8
DN125	222	56	265	7.8
DN150	237	56	328	9
DN200	273	60	386	14



Pressure and temperature range				
DN	Liner	Pressure rating	Temperature range	Max. working pressure
DN25-DN150	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+110°C	16 bar
DN200	NBR or EPDM	PN10	NBR -10°/+80°C, EPDM -10°/+110°C	10 bar

Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Material liner	Quality class disc	Quality class spindle	Actuator material	Maximum medium temperature (continuous)	Article
				mm					°C	
DN25 - 1"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	NBR	CC333G	1.4006	Malleable cast iron	80	13331259
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	EPDM	CC333G	1.4006	Malleable cast iron	110	13331260
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	NBR	CC333G	1.4006	Malleable cast iron	80	13331256
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	EPDM	CC333G	1.4006	Malleable cast iron	110	13331261
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	NBR	CC333G	1.4006	Malleable cast iron	80	13331257
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	EPDM	CC333G	1.4006	Malleable cast iron	110	13331262
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	NBR	CC333G	1.4006	Malleable cast iron	80	13410096
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	CC333G	1.4006	Malleable cast iron	110	13331263
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	CC333G	1.4006	Malleable cast iron	80	13410097
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	CC333G	1.4006	Malleable cast iron	110	13331264
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	CC333G	1.4006	Malleable cast iron	80	13410099
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	EPDM	CC333G	1.4006	Malleable cast iron	110	13331265
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	NBR	CC333G	1.4006	Malleable cast iron	80	13410101
DN125 - 5"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	CC333G	1.4006	Malleable cast iron	110	13331266

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Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length mm	Material liner	Quality class disc	Quality class spindle	Actuator material	Maximum medium temperature (continuous) °C	Article
DN125 - 5"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	NBR	CC333G	1.4006	Malleable cast iron	80	13410102
DN150 - 6"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	CC333G	1.4006	Malleable cast iron	110	13331267
DN150 - 6"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	NBR	CC333G	1.4006	Malleable cast iron	80	13331258
DN200 - 8"	EN (DIN)/ASME	PN10	PN10	60	NBR	CC333G	1.4057	EN-JS1030	80	13492659

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