



ECON® Butterfly valve Type: 6721 Ductile cast iron/Aluminum bronze 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
Standard connection: EN (DIN)/ ASME
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
Quality class disc: CC333G
Actuator material: Malleable 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 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

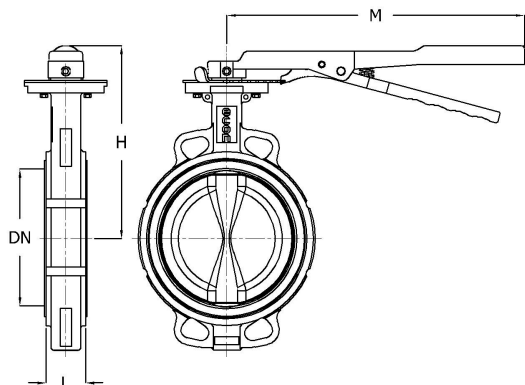
- Wafer connection type.
- Design in accordance with EN 593, API 609 and ASME B16.34.
- Standard design with pressure class PN16 for DN25 to DN150 and PN10 or PN16 for DN200.
- Construction length in accordance with EN 558 series 20, ISO 5752 series 20 and API 609 category A.
- Suitable for fitting with 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	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	
DN25 - 1"	PN16	PN6/10/16 and Class 150	32	NBR	Stainless steel	1.4006	-10	80	13331259
DN32 - 1.1/4"	PN16	PN6/10/16 and Class 150	32	EPDM	Stainless steel	1.4006	-10	110	13331260
DN32 - 1.1/4"	PN16	PN6/10/16 and Class 150	32	NBR	Stainless steel	1.4006	-10	80	13331256
DN40 - 1.1/2"	PN16	PN6/10/16 and Class 150	33	EPDM	Stainless steel	1.4006	-10	110	13331261
DN40 - 1.1/2"	PN16	PN6/10/16 and Class 150	33	NBR	Stainless steel	1.4006	-10	80	13331257
DN50 - 2"	PN16	PN6/10/16 and Class 150	43	EPDM	Stainless steel	1.4006	-10	110	13331262
DN50 - 2"	PN16	PN6/10/16 and Class 150	43	NBR	Stainless steel	1.4006	-10	80	13410096
DN65 - 2.1/2"	PN16	PN6/10/16 and Class 150	46	EPDM	Stainless steel	1.4006	-10	110	13331263
DN65 - 2.1/2"	PN16	PN6/10/16 and Class 150	46	NBR	Stainless steel	1.4006	-10	80	13410097
DN80 - 3"	PN16	PN6/10/16 and Class 150	46	EPDM	Stainless steel	1.4006	-10	110	13331264
DN80 - 3"	PN16	PN6/10/16 and Class 150	46	NBR	Stainless steel	1.4006	-10	80	13410099
DN100 - 4"	PN16	PN6/10/16 and Class 150	52	EPDM	Stainless steel	1.4006	-10	110	13331265
DN100 - 4"	PN16	PN6/10/16 and Class 150	52	NBR	Stainless steel	1.4006	-10	80	13410101
DN125 - 5"	PN16	PN6/10/16 and Class 150	56	EPDM	Stainless steel	1.4006	-10	110	13331266

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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	
DN125 - 5"	PN16	PN6/10/16 and Class 150	56	NBR	Stainless steel	1.4006	-10	80	13410102
DN150 - 6"	PN16	PN6/10/16 and Class 150	56	EPDM	Stainless steel	1.4006	-10	110	13331267
DN150 - 6"	PN16	PN6/10/16 and Class 150	56	NBR	Stainless steel	1.4006	-10	80	13331258
DN200 - 8"	PN10	PN10	60	NBR	Stainless steel	1.4057	-10	80	13492659

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