



ECON® Butterfly valve Type: 6731 Ductile cast iron/Stainless steel Centric Squeeze handle Wafer type

Characteristics

Type: 6731
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: Stainless steel
Actuator material: Malleable cast iron
Minimum medium temperature (continuous): -10 °C

Application

- Industrial applications such as water, hydrocarbons and slightly corrosive fluids and gases.
- Supply systems (HVAC), greenhouse construction, pulp and paper.
- Vacuum systems.
- Recommended in: Utilities

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.

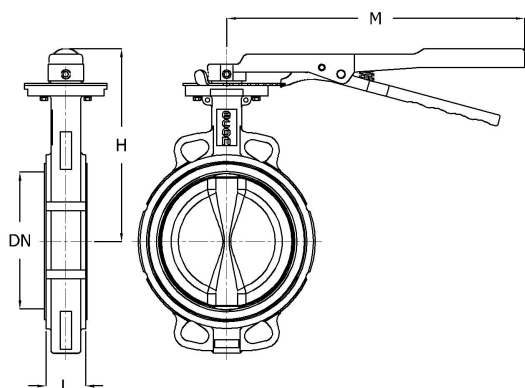
Options

- Worm gearbox, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.
- Certified in accordance with DVGW (gas), with figure 67311.
- PTFE-coated EPDM lining in accordance with EC 1935 and FDA with figure 6731TFM.

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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	Spindle material	Quality class spindle	Maximum medium temperature (continuous)	Article
				mm						
DN25 - 1"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	EPDM	1.4408	Stainless steel	1.4006	110	13331136
DN25 - 1"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	NBR	1.4408	Stainless steel	1.4006	80	13331137
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	EPDM	1.4408	Stainless steel	1.4006	110	13492656
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	NBR	1.4408	Stainless steel	1.4006	80	13331119
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	EPDM	1.4408	Stainless steel	1.4006	110	13331139
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	NBR	1.4408	Stainless steel	1.4006	80	13331120
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	EPDM	1.4408	Stainless steel	1.4006	110	13492657
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	NBR	1.4408	Stainless steel	1.4006	80	13331121
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	1.4408	Stainless steel	1.4006	110	13492658
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	1.4408	Stainless steel	1.4006	80	13331122
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	1.4408	Stainless steel	1.4006	110	11814149
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	1.4408	Stainless steel	1.4006	80	13331133
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	EPDM	1.4408	Stainless steel	1.4006	110	13261938
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	NBR	1.4408	Stainless steel	1.4006	80	13492661

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Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length mm	Material liner	Quality class disc	Spindle material	Quality class spindle	Maximum medium temperature (continuous) °C	Article
DN125 - 5"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	1.4408	Stainless steel	1.4006	110	13331140
DN125 - 5"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	NBR	1.4408	Stainless steel	1.4006	80	13331134
DN150 - 6"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	1.4408	Stainless steel	1.4006	110	11814152
DN150 - 6"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	56	NBR	1.4408	Stainless steel	1.4006	80	13331135
DN200 - 8"	EN (DIN)/ASME	PN10	PN6/10/16 and Class 150	60	EPDM	1.4408	Stainless steel	1.4057	110	13492660
DN200 - 8"	EN (DIN)/ASME	PN10	PN6/10/16 and Class 150	60	NBR	1.4408	Stainless steel	1.4057	80	13497059
DN200 - 8"	EN (DIN)/ASME	PN16	PN6/10/16 and Class 150	60	EPDM	1.4408	Stainless steel	1.4057	110	12132465

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