



ECON® Butterfly valve Type: 6730 Ductile cast iron/Stainless steel Centric Bare stem Wafer type

Characteristics

Type: 6730
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: Bare stem
Top flange standard: ISO 5211 Direct Mount
Housing lining: Replaceable
Disk 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), 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 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 200 µm and RAL colour 5015.
- Version with free shaft end (no actuation).
- Dimensions in DN25 to DN600 (1" to 24").
- Flanged connection pressure class for DN25 to DN300 (1" to 12"): PN6, PN10, PN16 and class 150, DN350 to DN400 (14" to 16"): PN10, PN16 and class 150, DN450 to DN600 (18" to 24"): PN10, PN16 or 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, worm gearbox, pneumatic, electric or (electro-) hydraulic actuators.
- Position feedback for manually operated or automated valves.
- Certified in accordance DVGW [gas], with figure

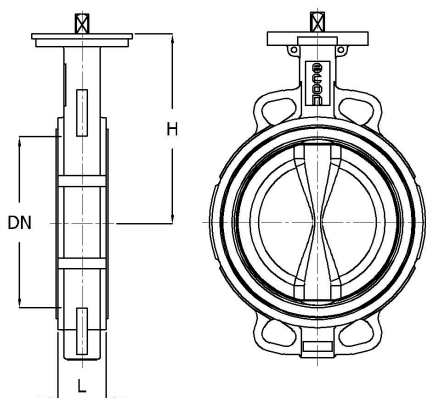
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67301.

- PTFE-coated EPDM lining in accordance with EC 1935 and FDA with figure 6730TFM.

Size table:

DN	H	L	Weight
	mm	mm	kg
DN32	115	32	1.7
DN40	115	33	2
DN50	143	43	2.7
DN65	156	46	3.6
DN80	162	46	3.9
DN100	177	52	5
DN125	190	56	7
DN150	205	56	8
DN200	236	60	13.2
DN250	267	68	19
DN300	308	78	31
DN350	368	78	42
DN400	400	102	63
DN450	422	114	72
DN500	480	127	100
DN600	562	154	190



Pressure and temperature range				
DN	Liner	Pressure rating	Temperature range	Max. working pressure
DN25-DN300	NBR or EPDM	PN16	NBR -10°/+80°C, EPDM -10°/+110°C	16 bar
DN200-DN600	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					°C	
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	EPDM	1.4408	Stainless steel	1.4006	110	13331076
DN32 - 1.1/4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	32	NBR	1.4408	Stainless steel	1.4006	80	13331087
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	EPDM	1.4408	Stainless steel	1.4006	110	13331078
DN40 - 1.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	33	NBR	1.4408	Stainless steel	1.4006	80	13331088
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	EPDM	1.4408	Stainless steel	1.4006	110	13331079

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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
DN50 - 2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	43	NBR	1.4408	Stainless steel	1.4006	80	13331089
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	1.4408	Stainless steel	1.4006	110	13331080
DN65 - 2.1/2"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	1.4408	Stainless steel	1.4006	80	13331090
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	EPDM	1.4408	Stainless steel	1.4006	110	13331081
DN80 - 3"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	46	NBR	1.4408	Stainless steel	1.4006	80	13331091
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	EPDM	1.4408	Stainless steel	1.4006	110	13331082
DN100 - 4"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	52	NBR	1.4408	Stainless steel	1.4006	80	13331092
DN125 - 5"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	1.4408	Stainless steel	1.4006	110	13331083
DN125 - 5"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	56	NBR	1.4408	Stainless steel	1.4006	80	13331093
DN150 - 6"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	56	EPDM	1.4408	Stainless steel	1.4006	110	13331084
DN150 - 6"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	56	NBR	1.4408	Stainless steel	1.4006	80	13331094
DN200 - 8"	EN [DIN]/ASME	PN10	PN6/10/16 and Class 150	60	EPDM	1.4408	Stainless steel	1.4057	110	13295818
DN200 - 8"	EN [DIN]/ASME	PN10	PN6/10/16 and Class 150	60	NBR	1.4408	Stainless steel	1.4057	80	13331095
DN200 - 8"	EN [DIN]/ASME	PN16	PN16	60	EPDM	1.4408	Stainless steel	1.4057	110	13515498
DN200 - 8"	EN [DIN]/ASME	PN16	PN16	60	NBR	1.4408	Stainless steel	1.4057	80	13489273
DN250 - 10"	EN [DIN]/ASME	PN10	PN6/10/16 and Class 150	68	EPDM	1.4408	Stainless steel	1.4057	110	13548546
DN250 - 10"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	68	EPDM	1.4408	Stainless steel	1.4057	110	13548585
DN250 - 10"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	68	NBR	1.4408	Stainless steel	1.4057	80	13653493
DN300 - 12"	EN [DIN]/ASME	PN10	PN6/10/16 and Class 150	78	EPDM	1.4408	Stainless steel	1.4057	110	13548548
DN300 - 12"	EN [DIN]/ASME	PN10	PN6/10/16 and Class 150	78	NBR	1.4408	Stainless steel	1.4057	80	13548550
DN300 - 12"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	78	EPDM	1.4408	Stainless steel	1.4057	110	13653495
DN300 - 12"	EN [DIN]/ASME	PN16	PN6/10/16 and Class 150	78	NBR	1.4408	Stainless steel	1.4057	80	13653496
DN350 - 14"	EN [DIN]/ASME	PN10	PN10/16 and Class 150	78	EPDM	1.4408	Stainless steel	1.4057	110	13331085
DN350 - 14"	EN [DIN]/ASME	PN10	PN10/16 and Class 150	78	NBR	1.4408	Stainless steel	1.4057	80	13331098
DN400 - 16"	EN [DIN]/ASME	PN10	PN10/16 and Class 150	102	EPDM	1.4408	Stainless steel	1.4057	110	13331086
DN400 - 16"	EN [DIN]/ASME	PN10	PN10/16 and Class 150	102	NBR	1.4408	Stainless steel	1.4057	80	13331099
DN450 - 18"	EN [DIN]	PN10	PN10	114	EPDM	1.4408	Stainless steel	1.4057	110	13331113
DN450 - 18"	EN [DIN]	PN10	PN10	114	NBR	1.4408	Stainless steel	1.4057	80	13331116
DN500 - 20"	EN [DIN]	PN10	PN10	127	EPDM	1.4408	Stainless steel	1.4057	110	13331114
DN500 - 20"	EN [DIN]	PN10	PN10	127	NBR	1.4408	Stainless steel	1.4057	80	13331117
DN600 - 24"	EN [DIN]	PN10	PN10	154	EPDM	1.4408	Stainless steel	1.4057	110	13331115
DN600 - 24"	EN [DIN]	PN10	PN10	154	NBR	1.4408	Stainless steel	1.4057	80	13331118

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