



## ECON® Butterfly valve Type: 6330 Ductile cast iron/Stainless steel Bare stem Wafer type

### Characteristics

- Type:** 6330
- Norm:** EN [DIN]
- Valve design:** Centric
- Housing material:** Ductile cast iron
- Material quality:** EN-JS1030
- Surface protection:** Epoxy coating [external]
- Connection:** Wafer type
- Standard connection:** EN [DIN]/ ASME
- 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
- Quality class disc:** 1.4408

### Application

- Industrial applications such as water, hydrocarbons and slightly corrosive fluids and gases.
- 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.
- Dimensions in DN 50-DN 600 [2" to 24"].
- Flange connection pressure class for DN 50-DN300 [2" to 12"]: PN 6, PN 10, PN 16 and class 150. For DN 350-DN 600 [14" to 24"]: PN 10, PN 16 and class 150.
- Maximum medium temperature depends on the lining: EPDM -10 to +140°C, NBR -10 to +100°C, FPM [FKM] -10 to +204°C.

### Construction

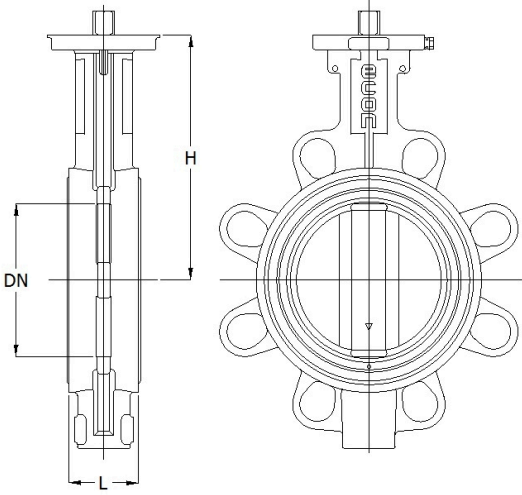
- Wafer connection type.
- Design according to EN 593, API 609 and ASME B16.34.
- The pressure class of the standard design is PN 16 for DN 50 to DN 200 and PN 10 for DN 250 to DN 600.
- Construction length according to EN 558 series 20, ISO 5752 series 20 and API 609 category A.
- Suitable for mounting with flanges according to EN 1092-2 and ASME B16.5 class 150.
- Bi-directional bubble-tight sealing according to EN 12266 rate A and API 598.

### Options

- Available as a socket type [series 64].
- Equipped with lever, worm gearbox 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 aluminium bronze, 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.
- 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.

Size table:

DN	H mm	L mm	Weight kg
DN50	143	43	2.7
DN65	155	46	3.4
DN80	162	46	4.4
DN100	181	52	5.3
DN125	197	56	7.6
DN150	210	56	9.5
DN200	240	60	14.6
DN250	286	68	21.5
DN300	309	78	32
DN350	329	78	42.2
DN350	329	127	42.2
DN400	361	102	61.7
DN400	361	127	61.7
DN450	393	114	91.2
DN450	393	127	91.2
DN500	427	127	110.2
DN600	492	154	182.1



Temperature and pressure range					
Size	Liner	Pressure rating	Temperature range	Maximum operating pressure	
DN50 - DN200	EPDM or NBR	PN16	EPDM -10°/+140°C, NBR -10°/+100°C	16	[bar]
DN250 - DN600	EPDM or NBR	PN10	EPDM -10°/+140°C, NBR -10°/+100°C	10	[bar]

Nominal inner diameter	Pressure rating	Pressure rating flange	Face to Face length mm	Material liner	Spindle material	Quality class spindle	Minimum medium temperature [continuous] °C	Maximum medium temperature [continuous] °C	Article
DN50 - 2"	PN16	PN6/10/16 and Class 150	43	EPDM	Stainless steel	1.4006	-10	140	13261852
DN50 - 2"	PN16	PN6/10/16 and Class 150	43	FPM (FKM)	Stainless steel	1.4006	-10	204	13261861
DN50 - 2"	PN16	PN6/10/16 and Class 150	43	NBR	Stainless steel	1.4006	-10	100	13227894
DN65 - 2.1/2"	PN16	PN6/10/16 and Class 150	46	EPDM	Stainless steel	1.4006	-10	140	13261853
DN65 - 2.1/2"	PN16	PN6/10/16 and Class 150	46	FPM (FKM)	Stainless steel	1.4006	-10	204	13261862
DN65 - 2.1/2"	PN16	PN6/10/16 and Class 150	46	NBR	Stainless steel	1.4006	-10	100	13227895
DN80 - 3"	PN16	PN6/10/16 and Class 150	46	EPDM	Stainless steel	1.4006	-10	140	13261854
DN80 - 3"	PN16	PN6/10/16 and Class 150	46	FPM (FKM)	Stainless steel	1.4006	-10	204	13261863
DN80 - 3"	PN16	PN6/10/16 and Class 150	46	NBR	Stainless steel	1.4006	-10	100	13227990

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

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	
DN100 - 4"	PN16	PN6/10/16 and Class 150	52	EPDM	Stainless steel	1.4006	-10	140	13261855
DN100 - 4"	PN16	PN6/10/16 and Class 150	52	FPM (FKM)	Stainless steel	1.4006	-10	204	13261864
DN100 - 4"	PN16	PN6/10/16 and Class 150	52	NBR	Stainless steel	1.4006	-10	100	13261846
DN125 - 5"	PN16	PN6/10/16 and Class 150	56	EPDM	Stainless steel	1.4006	-10	140	13261856
DN125 - 5"	PN16	PN6/10/16 and Class 150	56	FPM (FKM)	Stainless steel	1.4006	-10	204	13261865
DN125 - 5"	PN16	PN6/10/16 and Class 150	56	NBR	Stainless steel	1.4006	-10	100	13261847
DN150 - 6"	PN16	PN6/10/16 and Class 150	56	EPDM	Stainless steel	1.4006	-10	140	13261857
DN150 - 6"	PN16	PN6/10/16 and Class 150	56	FPM (FKM)	Stainless steel	1.4006	-10	204	13261866
DN150 - 6"	PN16	PN6/10/16 and Class 150	56	NBR	Stainless steel	1.4006	-10	100	13261848
DN200 - 8"	PN16	PN6/10/16 and Class 150	60	EPDM	Stainless steel	1.4006	-10	140	13261858
DN200 - 8"	PN16	PN6/10/16 and Class 150	60	FPM (FKM)	Stainless steel	1.4006	-10	204	13261867
DN200 - 8"	PN16	PN6/10/16 and Class 150	60	NBR	Stainless steel	1.4006	-10	100	13261849
DN250 - 10"	PN10	PN6/10/16 and Class 150	68	EPDM	Stainless steel	1.4006	-10	140	13261859
DN250 - 10"	PN10	PN6/10/16 and Class 150	68	FPM (FKM)	Stainless steel	1.4006	-10	204	13261869
DN250 - 10"	PN10	PN6/10/16 and Class 150	68	NBR	Stainless steel	1.4006	-10	100	13261850
DN300 - 12"	PN10	PN6/10/16 and Class 150	78	EPDM	Stainless steel	1.4006	-10	140	13261860
DN300 - 12"	PN10	PN6/10/16 and Class 150	78	FPM (FKM)	Stainless steel	1.4006	-10	204	13261870
DN300 - 12"	PN10	PN6/10/16 and Class 150	78	NBR	Stainless steel	1.4006	-10	100	13261851
DN350 - 14"	PN10	PN10/16 and Class 150	78	FPM (FKM)	Stainless steel	1.4006	-10	204	13607262
DN350 - 14"	PN10	PN10/16 and Class 150	78	NBR	Stainless steel	1.4006	-10	100	13607267
DN350 - 14"	PN10	PN10/16 and Class 150	127	EPDM	Stainless steel	1.4006	-10	140	13450481
DN400 - 16"	PN10	PN10/16 and Class 150	102	FPM (FKM)	Stainless steel	1.4006	-10	204	13607263
DN400 - 16"	PN10	PN10/16 and Class 150	102	NBR	Stainless steel	1.4006	-10	100	13607268
DN400 - 16"	PN10	PN10/16 and Class 150	127	EPDM	Stainless steel	1.4006	-10	140	13450482
DN450 - 18"	PN10	PN10	114	FPM (FKM)	Stainless steel	1.4006	-10	204	13607264
DN450 - 18"	PN10	PN10	114	NBR	Stainless steel	1.4006	-10	100	13607269
DN450 - 18"	PN10	PN10	127	EPDM	Stainless steel	1.4006	-10	140	13450483
DN500 - 20"	PN10	PN10	127	EPDM	Stainless steel	1.4006	-10	140	13450484
DN500 - 20"	PN10	PN10	127	FPM (FKM)	Stainless steel	1.4006	-10	204	13607265
DN500 - 20"	PN10	PN10	127	NBR	Stainless steel	1.4006	-10	100	13607270
DN600 - 24"	PN10	PN10	154	EPDM	Stainless steel	1.4006	-10	140	13450485
DN600 - 24"	PN10	PN10	154	FPM (FKM)	Stainless steel	1.4006	-10	204	13607266
DN600 - 24"	PN10	PN10	154	NBR	Stainless steel	1.4006	-10	100	13607271

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.