



ECON® Butterfly valve Type: 9130 Stainless steel/Stainless steel Double-eccFire safe Bare stem Wafer type



Characteristics

Type: 9130
Norm: ASME
Valve design: Double-eccentric
Housing material: Stainless steel
Material quality: ASTM A351 CF8M
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
Disk material: Stainless steel
Quality class disc: ASTM A351 CF8M
Fire safe: Yes

Application

- Heavy industrial, maritime, chemical and petrochemical applications where rubber-lined butterfly valves cannot be used due to their limited pressure and temperature range.
- Recommended in: Chemical, Food & Beverages

Technical Information

- Fire-safe high-performance stainless-steel butterfly valve.
- Patented seat construction for 100% bi-directional seal.
- Full-length shaft-disc construction and replaceable seat.
- One-piece spindle in an anti-blowout design.
- Antistatic version with ground connection.
- Dimensions in DN50 to DN400 [2" to 20"].
- Drilled in dimensions DN50 to DN150 PN16 and available from DN200 with PN10, PN16 or Class-150 drilling.
- With "direct mount" top-flange in accordance with ISO-5211.
- Media temperature with PTFE/Inconel B637 seat: -29/+210°C, with seat made from RPTFE/Inconel B637 -29/+250°C.

Construction

- Wafer connection type.
- Double-eccentric.
- Design in accordance with API 609 and ASME B16.34.
- Construction length in accordance with EN 558, series 20.
- Suitable for mounting with flanges in accordance with EN 1092-1.
- Nominal pressure class is Class 150 (PN20).
- Charpy impact test at -29°C.
- Tested according to EN12266-1 rate A for EN- or according to API 598 for ASME valves.

Approval

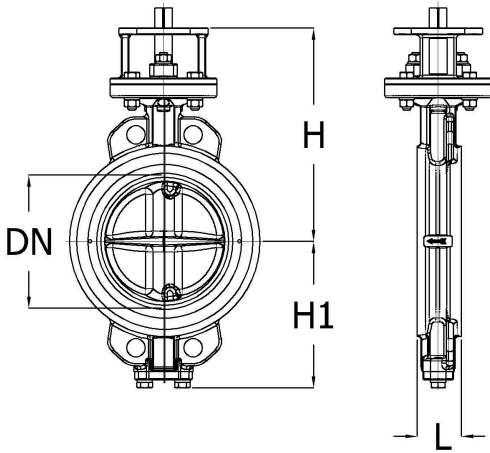
- PED module H in accordance with 2014/68/EU.
- SIL 2 in accordance with IEC 61508-1 and SIL 3 with duplicate design in series or in parallel [redundancy].
- Fire-safe certified in accordance with API 607 and ISO 10497.

Options

- DN50 to DN150 can also be designed with PN10 or class-150 bore.
- Pressure class PN25, PN40, Class 150 or Class 300.
- Available as a socket or double-flange model.
- Equipped with lever, worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- Available with R-PTFE/Inconel seat.
- Spindle seal in accordance with ISO 15848-1-CO3 Class BH for fugitive emissions.

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Size table:



DN	H mm	H1 mm	L mm	Weight kg
DN50	178	99	43	3.9
DN65	185	110	46	4.5
DN80	210	128	47	7
DN100	227	150	52	9
DN125	240	163	56	12
DN150	255	176	56	13.5
DN200	300	206	60	22
DN250	340	238	68	32
DN300	390	269	78	48
DN350	426	306	78	66
DN400	490	342	102	107

Maximum operating pressure	Temperature range
20 bar	-29°C tot 210°C*
* Metal seat execution up to 500°C.	

Nominal inner diameter	Pressure rating	Pressure rating flange	Flange drilling	Face to Face length mm	Seat material	Spindle material	Quality class spindle	Article
DN50 - 2"	Class 150	PN16		43	PTFE + Inconel	Stainless steel	ASTM A564 630	13419292
DN65 - 2.1/2"	Class 150	PN16		46	PTFE + Inconel	Stainless steel	ASTM A564 630	13401220
DN80 - 3"	Class 150	PN16		47	PTFE + Inconel	Stainless steel	ASTM A564 630	13401222
DN100 - 4"	Class 150	PN16		52	PTFE + Inconel	Stainless steel	ASTM A564 630	13512045
DN125 - 5"	Class 150	PN16		56	PTFE + Inconel	Stainless steel	ASTM A564 630	13419293
DN150 - 6"	Class 150	PN16		56	PTFE + Inconel	Stainless steel	ASTM A564 630	13192868
DN200 - 8"	Class 150	PN10/16 and Class 150	Unbored	60	PTFE + Inconel	Stainless steel	ASTM A564 630	13401235
DN250 - 10"	Class 150	PN10/16 and Class 150	Unbored	68	PTFE + Inconel	Stainless steel	ASTM A564 630	13401236
DN300 - 12"	Class 150	PN10/16 and Class 150	Unbored	78	PTFE + Inconel	Stainless steel	ASTM A564 630	13489588
DN350 - 14"	Class 150	PN10/16 and Class 150	Unbored	78	PTFE + Inconel	Stainless steel	ASTM A564 630	13419294
DN400 - 16"	Class 150	PN10/16 and Class 150	Unbored	102	PTFE + Inconel	Stainless steel	ASTM A564 630	13419295

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