ECON® Butterfly valve Type: 9330 Stainless steel/Stainless steel Double-ecFire safe Bare stem Lug type

Characteristics

Type: 9330
Norm: EN (DIN)
Valve design: Double-eccentric
Housing material: Stainless steel
Material quality: ASTM A351 CF8M
Connection: Lug type
Standard connection: EN (DIN)
Face to Face norm: EN 558, Series 20
Operation: Bare stem
Top flange standard: ISO 5211 Direct Mount
Disk material: Stainless steel
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 DN600 (2" bis 24").
- Drilled in dimensions DN50 to DN600 PN10 or PN16.
- With "direct mount" top-flange in accordance with ISO-5211.
- Version with free shaft end (no actuation).
- Media temperature with PTFE/Inconel B637 seat: -29/+210°C, with seat made from RPTFE/Inconel B637 -29/+250°C.

Construction

- Socket outlet.
- 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 DN600 can also be design with drilling Class 150.
- Design pressure class PN25, PN40, Class 300.
- Available as a socket or double-flange model.
- Available in steel.
- Equipped with lever, worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- Available with other seat materials such as R-PTFE and metal seat (Inconel).
- Certified fire-safe design available.
- Larger dimensions up to DN1200 in PN10/PN16/PN25 of Class 150 and up to DN600 in PN40 of Class 300.
- Spindle seal in accordance with ISO 15848-1-CO3 Class BH for fugitive emissions.

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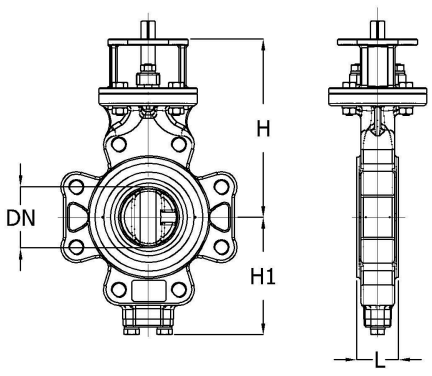

Size table:

DN	H	H1	L	Weight
	mm	mm	mm	kg
DN50	178	99	43	4.9
DN65	185	110	46	5.5
DN80	210	128	46	8.5
DN100	227	150	52	14
DN125	240	163	56	18
DN150	255	176	56	19.5
DN200	300	206	62	31
DN250	340	238	68	47
DN300	390	269	78	67
DN350	426	306	78	81
DN400	490	342	102	143

Maximum opererating 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	Face to Face length	Seat material	Article
			mm		
DN50	PN16	PN10/16	43	PTFE + Inconel	13417037
DN65	PN16	PN10/16	46	PTFE + Inconel	13417038
DN80	PN16	PN10/16	46	PTFE + Inconel	13417039
DN100	PN16	PN10/16	52	PTFE + Inconel	13417040
DN125	PN16	PN10/16	56	PTFE + Inconel	13417041
DN150	PN16	PN10/16	56	PTFE + Inconel	13417042
DN200	PN16	PN16	62	PTFE + Inconel	13417043
DN250	PN16	PN16	68	PTFE + Inconel	13417044
DN300	PN16	PN16	78	PTFE + Inconel	13417045
DN350	PN16	PN16	78	PTFE + Inconel	13417046
DN400	PN16	PN16	102	PTFE + Inconel	13417047

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