Butterfly Valve VM 3015

ductile iron | DN 50-300 | PN 10 | wafer type

General

- Ebro butterfly valve in splitted body design for corrosive and aggressive media.
- Safety seal at both shaft ends:
  - Primary sealing by means of a belleville spring washer, transmitting prestress on the spherical segment area.
  - Secondary sealing of the shaft by means of PTFE-Chevron and O-ring.
- Isolation height according to plant prescription.
- One-piece disc/shaft.
- Mounting flange according to ISO 5211.
- Valve body epoxy coated.
- Face-to-face design according to EN 558 series 20, ISO 5752 series 20.
- Flange connection according to EN 1092 Form A/B.
- Tightness check according to EN 12266 (Rate A).
- Material conform to FDA EG 1935/2004.

Options

- DN 40 (DN 50 drilled DN 40).
- DN 350-900, double flanged design.
- Other materials in disc/shaft and seat.
- Liner in PTFE/EPDM for temperatures from -10°C to +120°C.
- Liner in PTFE/Viton for temperatures from -10°C to +180°C.
- Liner in UHMW-PE for temp. max. +80°C.
- O-rings in silicon for temperatures from -40°C to +200°C.
- PN 16.
- Other flange standards.
- In flanged design or lug type design.
- Different types of actuators.
- Stem extension.
- Special design RWTÜV certified to TA-Air/VDI 2440.

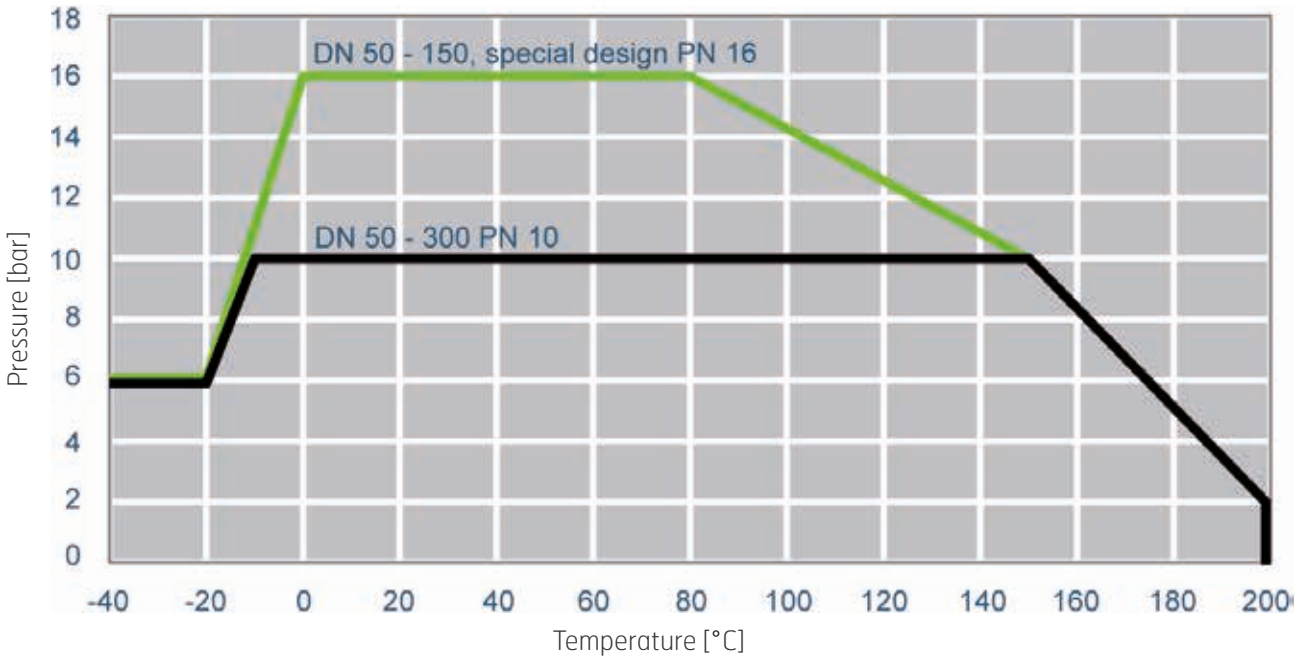
Technical Data

Dimension DN	50	65	80	100	125	150	200	250	300
Pressure rating PN	10	10	10	10	10	10	10	10	10
Pressure rating PN connected flange	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16
Min. temperature °C (depends on working pressure)	-20	-20	-20	-20	-20	-20	-20	-20	-20
Max. temperature °C	+180	+180	+180	+180	+180	+180	+180	+180	+180
Kv-value m^3/h	67	126	186	303	933	1452	3136	5086	6814
Torque Nm at max. PN [bar], with elastomer insert of silicon-rubber	40	40	70	95	130	170	230	350	480

Materials

Body	ductile iron EN-JS1025
Disc/shaft	PTFE-coated steel core EN 1.4469
Seat lining	PTFE/silicon rubber
O-ring	Viton®
Bearing bush	PTFE/steel

Pressure/Temperature Chart

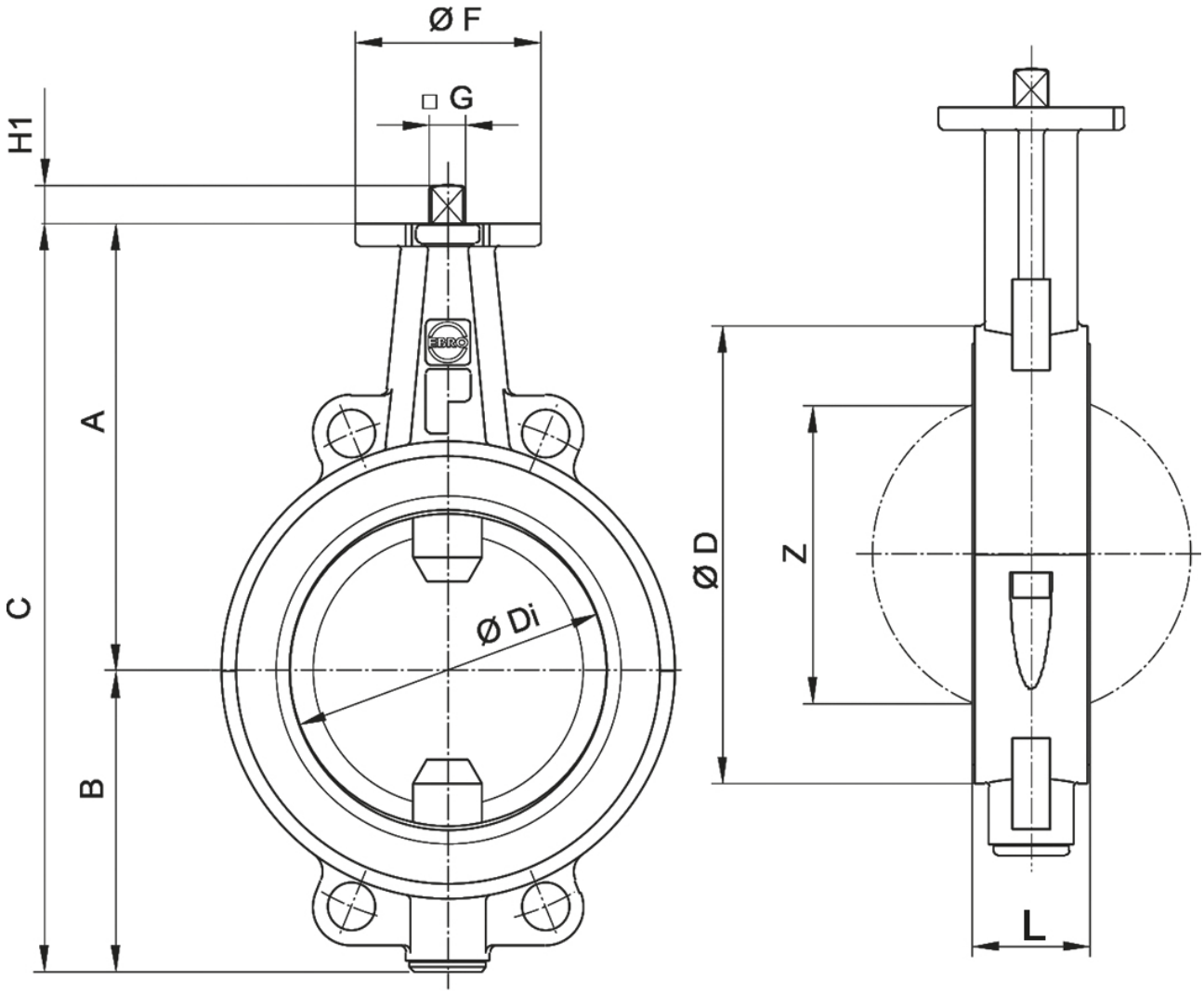


Vacuum

Up to 1mbar absolute (with silicon elastomer inserts), for temperatures from -10°C to +160°C.

Dimensions [mm] and Weight

DN	50	65	80	100	125	150	200	250	300
L	46	46	46	52	56	56	60	68	78
A	135	150	157	180	195	210	240	275	300
B	80	82	108	118	130	142	169	217	240
C	215	232	265	298	325	352	409	492	540
D	112	120	138	160	190	215	269	324	374
Di	60,8	60,8	79,5	99	124,5	150,5	195,5	247,5	292,5
F	54	54	65	65	90	90	90	125	125
G (square)	11	11	14	14	17	17	17	22	22
H1	12	12	16	16	19	19	19	24	24
Z	41	41	66	85	112	141	187	239	283
Flange	F04	F04	F05	F05	F07	F07	F07	F10	F10
Weight [kg]	2,8	3,4	4,5	5,9	8,1	9,5	15	24	34



Markings
The valve is marked with DN, PN, producer, materials, serial number, and type according to EN 19.

Mounting
Optional, but horizontal shafts are recommended.

Maintenance
The valve is maintenance free. It is recommended that the valve is exercised regularly for best function.

Order Information
Butterfly valve VM 3015 in ductile iron, DN....., PN 10 in wafer type design.