

VÁLVULAS DE MARIPOSA / BUTTERFLY VALVES

VÁLVULA DE MARIPOSA BIEXCÉNTRICA EN ACERO. LUG PN16 DOUBLE ECCENTRIC BUTTERFLY VALVE. LUG TYPE. WCB. NP16

TECFLW®

TF-DE-BFV-L16



UTILIZACIÓN / APPLICATION :

Calefacción, geotermia, frío industrial, construcción naval, petroquímica.
Heating, geothermics, industrial cool, shipbuilding, petrochemical.

CARACTERÍSTICAS GENERALES / GENERAL CHARACTERISTICS :

Válvulas Wafer de doble excentricidad / Double Offset wafer type design.
Rango desde DN50 hasta DN300 / Range from ND50 up to ND300 .
Cierre biidireccional / Bidirectional with preferential flow indicated by the arrow.
Estanqueidad 100% / 100% tightness.
Palanca de 10 posiciones hasta DN150 / 10 positions handle with locking device up to ND150.
Pletina montaje ISO 5211 / ISO 5211 mounting pad.
Pintura: primera capa de zinc Inorgánico, color gris, 10 micras de espesor- Pintura final resistente al calor.
Color aluminio-plata RAL 1504 con 30 micras de espesor.
Paint: Inorganic zinc rich premier, grey color, 10 microns thickness. Finish painting heat resisting aluminum .
Silver color RAL 1504. 30 microns thickness..

NORMATIVAS / STANDARDS :

Diseño / Design according to : API 609.
Fabricación / Manufacture according to : ISO 9001: 2015.
Distancia entre caras / Face to Face : EN 558-1 Serie 20.
Montaje entre bridas / Mounting between flanges EN1092-1 PN16.
Marcado según / Marking according to : MSS SP-25.
Pruebas de estanqueidad / Tightness Test according to : ISO 5208 Rate A.
Anti-fuego según / Fire Safe according to : ISO 10497 : 2010.
Directiva europea 2014/68/UE CE Nº 0035 Categoría de riesgo III Módulo H
EU directive 2014/68/UE CE Nº 0035. Risk Category III module H.
ATEX Group II Category 2 G/2D Zone 1 & 21. Zone 2 & 22 according to directive 2014/34/EU.
SIL2 according to IEC/EN 61508.

CONDICIONES DE SERVICIO / WORKING CONDITIONS:

Máxima presión de trabajo / Maximum Working Pressure : 16 bar. Vepor / Steam: 10 bar.
Temperatura máxima de trabajo / Maximum Working Temperature : - 29 °C / + 210 °C.

MATERIALES / CONSTRUCTION :

No.	Pieza Part	Material Material
1	Cuerpo Body	ASTM A216 WCB
2	Disco Disc	ASTMA351 CF8M
3	Eje Shaft	ASTM A564 630
4	Asiento Seat	PTFE filled with 15% Graphite
4-1	Asiento Metálico Metal Seat	Inconel 718
4-2	Junta Gasket	Graphite
5	Retén Retainer	ASTM A351 CF8
6	Cojinete Bushing	PTFE + AISI 316
7	Prensa Gland	ASTM A351 CF8
8	Empaque Prensa Gland Packing	Graphite
9	Tapa Bottom Cover	ASTM A216 WCB
9-1	Junta Tapa Bottom Cover Gasket	Graphite
10	Horquilla Yoke	ASTM A216 WCB
11	Perno tope Stop Stud	ASTM A193 Gr B8M
12	Placa Bloqueo Lock Plate	PTFE + 15% Graphite + AISI 316
13	Perno Stud	ASTM A193 Gr B8
14	Tuerca Nut	ASTM A194 Gr B
15	Tornillo Bolt	ASTM A193 Gr B8

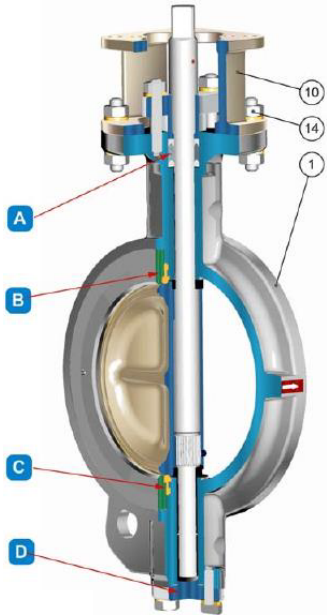
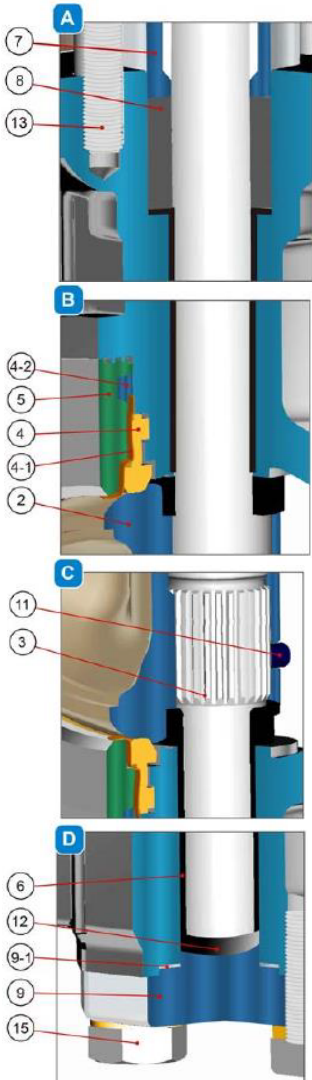
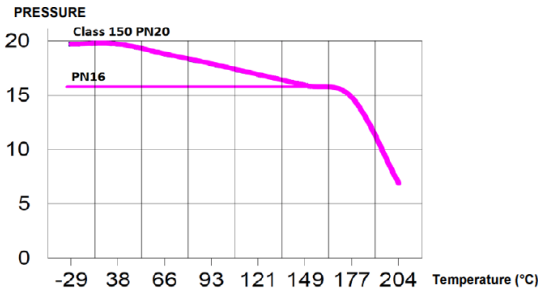


GRÁFICO PRESIÓN / TEMPERATURA: PRESSURE / TEMPERATURE CHART:



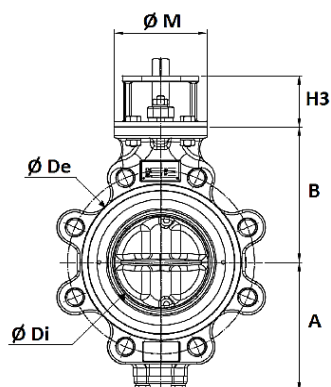
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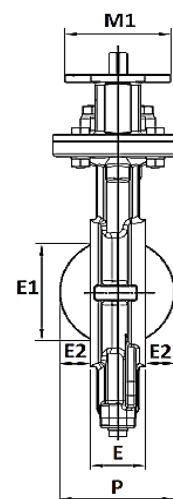
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DIMENSIONES / DIMENSIONS :

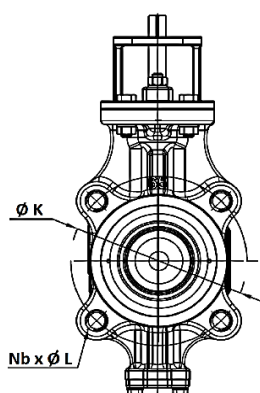


DN ND	NPS	E	A	B	ØM	H3	M1	P	E1	E2	ØDe	ØDi	Min Pipe Diameter	Peso Weight
50	2"	43	99	118	90	60	70	47	49,5	2	92	37	49	3,90
65	2.1/2"	46	110	125	90	60	70	76	62,3	15	108	63	62	4,50
80	3"	47	128	140	125	70	102	91	65,9	22	126	78	78	7,00
100	4"	53	150	157	125	70	102	103	93	25	153	95	93	9,00
125	5"	57	163	170	125	70	102	129	120	36	184	118	120	12,00
150	6"	56	176	185	125	70	102	156	149	50	212	143	149	13,50
200	8"	62	206	220	150	80	125	202	196	70	268	188	196	22,00
250	10"	68	238	260	150	80	125	248	243	90	326	236	243	32,00
300	12"	78	269	290	175	100	160	290	289	106	375	282	289	48,00

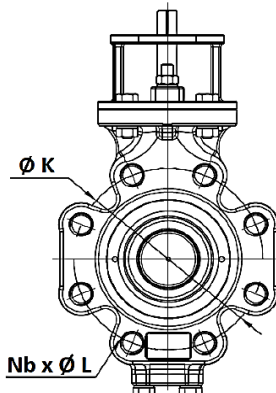


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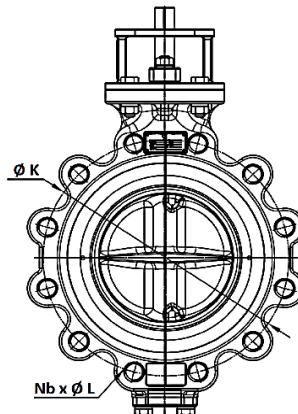
DN 50 – 65



DN 80 - 150

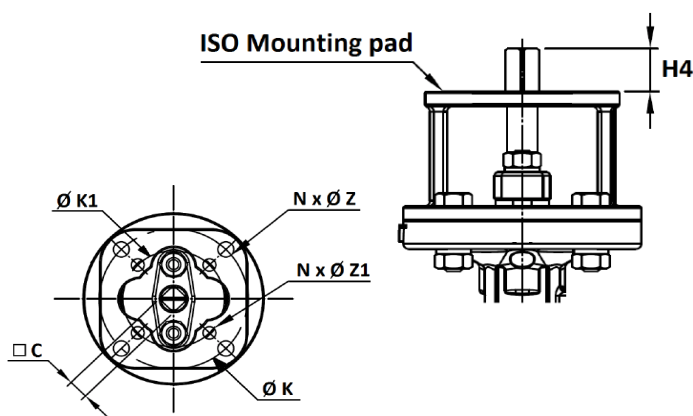


DN 200 - 300



DN ND	ØK	Nb x ØL
50	125	4 x M16
65	145	4 x M16
80	160	8 x M16
100	180	8 x M16
125	210	8 x M16
150	240	8 x M20
200	295	12 x M20
250	355	12 x M24
300	410	12 x M24

DIMENSIONES EJE Y PLETINA ISO / DIMENSIONS ISO MOUNTING PAD & STEM:



DN ND	C	H4	ISO	ØK	N x ØZ	ØK1	ISO1	N x ØZ1
50	11	18	F07	70	4 X 8	50	F05	4 X 6
65	11	18	F07	70	4 X 8	50	F05	4 X 6
80	14	23	F10	102	4 X 10	70	F07	4 X 8
100	14	23	F10	102	4 X 10	70	F07	4 X 8
125	17	23	F10	102	4 X 10	70	F07	4 X 8
150	17	23	F10	102	4 X 10	70	F07	4 X 8
200	19	28	F12	125	4 X 12	102	F10	4 X 10
250	22	28	F12	125	4 X 12	102	F10	4 X 10
300	27	37	F14	140	4 X 16	125	F12	4 X 12