BUTTERFLY VALVE FIG. N1234EH
General features

GENERAL FEATURES:
Wafer type butterfly valve, DN32 - DN400
Body in Rilsan coated nodular iron (230µ ~ 300µ / C5M), disc in stainless steel, seat in EPDM
Face-to-face: ISO 5752
mounting between flanges: PN 10, PN 16 and ANSI 150
Mounting flange: ISO 5211

WORKING CONDITIONS:
For pressure up to 16 bar (10 bar from DN 350)
and temperatures from -20 °C to 110 °C continuous, depending on working pressure (see PT diagram page 4)



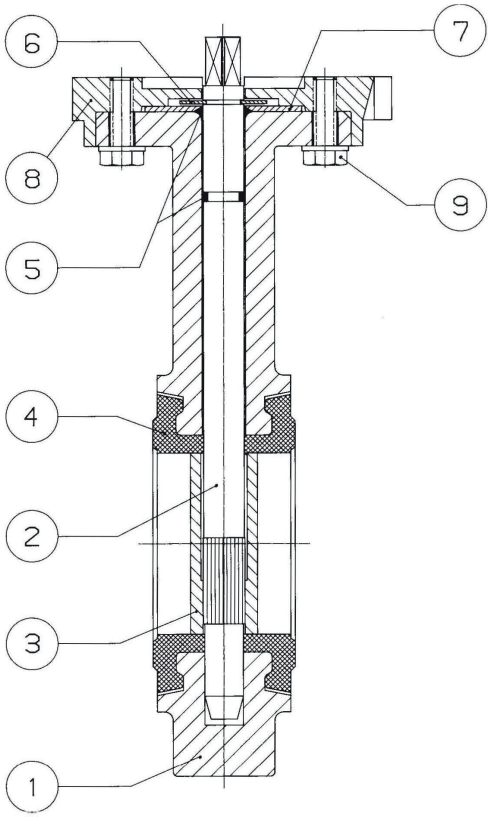
CE

ATEX

DESIGN STANDARDS	
Butterfly valve	ISO 5752, API 609
Compliance	DIN 3202, API 609, BS EN 558
Actuator mounting flange	ISO 5211
Marking	ISO 5209
TESTS AND CERTIFICATES	
PED/CE	2014/68/EU
Pressure test	EN 12266-1

Subject to changes

BUTTERFLY VALVE FIG. N1234EH
Materials



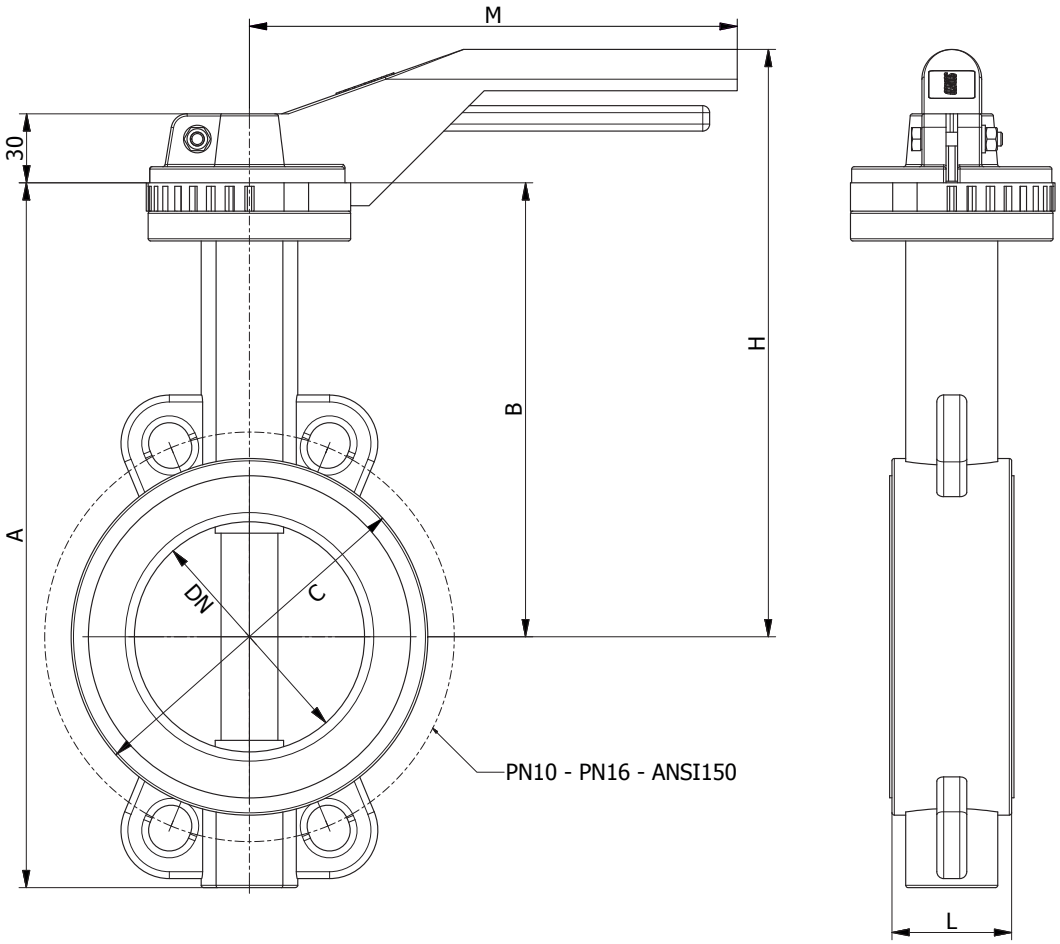


MATERIALS:

N°	Description	Material
1	Body	Nodular iron GJS-500-7
2	Stem	Stainless steel AISI 420
3	Disc	Stainless steel AISI 316
4	Seat	EPDM
5	O-ring	Nitrile rubber
6	Circlip	Steel
7	Washer	Steel
8	Flange	Aluminium
9	Bolt	DIN 933 5.6
10	Lever	Aluminium (DN32 - DN 200), bolt in DIN 933 5.6
		Cast steel (DN250 - DN300), bolt in DIN 933 5.6
		Free stem from DN350

Subject to changes

BUTTERFLY VALVE FIG. N1234EH
Dimensions

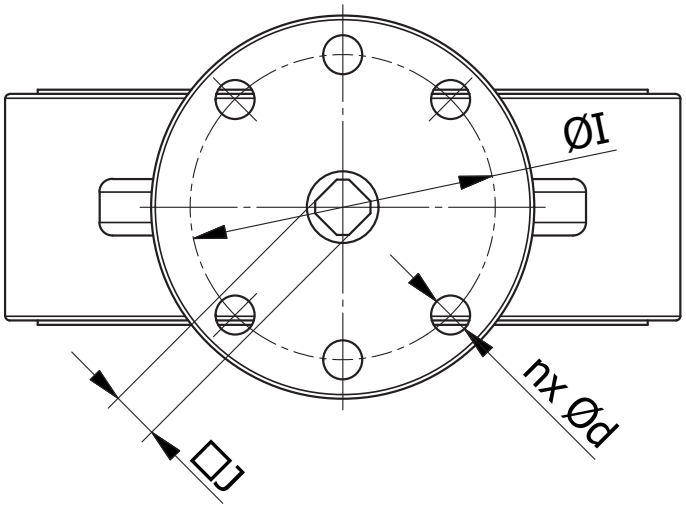


DIMENSIONS: (mm)

DN	Ø	A	B	C	L	M	H	PN 10		PN 16		ANSI 150		Kg
								K	N x T	K	N x T	K	N x T	
32	1 1/4"	206	140	82	33	212	198	100	4x 18	100	4x 18	88,9	4x 16	2,0
40	1 1/2"	206	140	82	33	212	198	110	4x 18	110	4x 18	98,5	4x 16	2,0
50	2"	228	156	102	43	212	214	125	4x 18	125	4x 18	120,6	4x 19	3,5
65	2 1/2"	248	161	119	46	212	219	145	4x 18	145	4x 18	139,7	4x 19	4,5
80	3"	265	169	135	46	212	229	160	4x 18	160	4x 18	152,4	4x 19	5,0
100	4"	298	187	155	52	212	241	180	4x 18	180	4x 18	190,5	4x 19	6,5
125	5"	331	206	185	56	329	279	210	4x 18	210	4x 18	215,9	4x 23	8,0
150	6"	349	215	208	56	329	287	240	4x 23	240	4x 23	241,3	4x 23	9,0
200	8"	430	255	270	60	329	327	295	4x 23	295	4x 23	298,5	4x 23	15,0
250	10"	461	248	328	68	610	290	350	4x 23	355	4x 27	362,0	4x 26	21,5
300	12"	524	280	381	78	610	325	400	4x 23	410	4x 27	431,8	4x 26	30,0
350	14"	570	300	437	78	-	-	460	4x 23	470	4x 27	476,3	4x 29	39,0
400	16"	644	340	486	102	-	-	515	4x 27	525	4x 30	539,8	4x 29	52,0

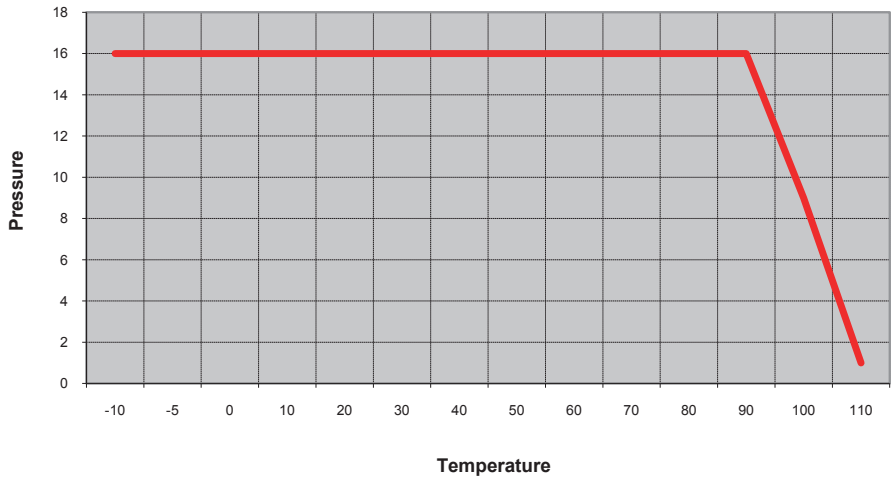
Subject to changes

BUTTERFLY VALVE FIG. N1234EH
Dimensions



DN	Ø	ØI	nx Ød	J	ISO5211
32	1 1/4"	70	4x 9	8	F05 / F07
40	1 1/2"	70	4x 9	8	F05 / F07
50	2"	70	4x 9	8	F05 / F07
65	2 1/2"	70	4x 9	9	F05 / F07
80	3"	70	4x 9	11	F05 / F07
100	4"	70	4x 9	11	F05 / F07
125	5"	70	4x 9	14	F07
150	6"	70	4x 9	14	F07
200	8"	70	4x 9	17	F07
250	10"	102	4x 11	19	F10
300	12"	102	4x 11	22	F10
350	14"	140	4x 18	22	F14
400	16"	140	4x 18	27	F14

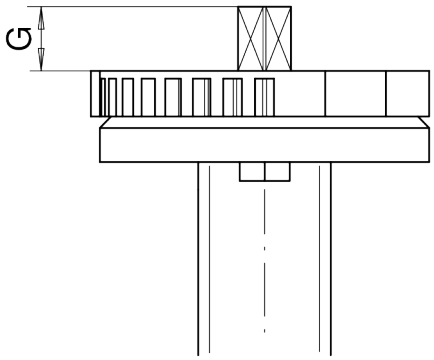
PRESSURE - TEMPERATURE:



Kv VALUES, BREAK AWAY TORQUE:

DN	Ø	Kv (m³/h)	T (Nm) 16 bar
32	1 1/4"	70	9
40	1 1/2"	70	9
50	2"	111	11
65	2 1/2"	201	20
80	3"	335	29
100	4"	552	47
125	5"	901	82
150	6"	1427	130
200	8"	2392	210
250	10"	3826	360
300	12"	5660	475
350	14"	8179	760
400	16"	10660	1300

Indicated values are valid for water at room temperature



HEIGHT FREE STEM:

DN	G
32	14
40	14
50	14
65	16
80	16
100	20
125	20
150	20
200	24
250	24
300	24
350	29
400	29

Subject to changes