

Ref. : CB 4442.pas

Rev. : B

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WAFER TYPE DUAL PLATE CHECK VALVE ASA 150

CB 4442



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General uses: pumping, water supply, air conditioning installation.

GENERAL CHARACTERISTICS

Design in accordance with standard NF EN 12334 and NF EN 14341.

Range: From DN 50 to DN 600.

Mounting between flanges.

Working positions: horizontal and vertical ascending, and

vertical descending position < DN 150.

Mounting in accordance with many standards connections.

Low head loss.

Stainless steel spring technology to avoid fluid hammer.

CONSTRUCTION

6	1	Washer	Stainless steel AISI-304
5	1	Shaft	Stainless steel AISI-304
4	1	Spring	Stainless steel AISI-302
3	1	Gasket	NBR
2	2	Plate	Steel WCB A216 (DN40-200) EN-GJS-400-15 (DN250-600)
1	1	Body	Ductile iron GS EN-GJS-400-15
Pos.	Q-ty	Description	Material

DIMENSIONS

DN		L	Ø A	Ø D	Kv	Minimum Working pressure (mbar)	Weight (kg)
mm	inch						
50	2"	43	46	103	44	3.21	1.5
65	2 1/2"	46	62	122	90	3.05	1.9
80	3"	64	70	134	135	2.85	3
100	4"	64	90	170	333	2.42	4
125	5"	70	110	194	606	2.17	6
150	6"	76	130	220	803	1.96	8.5
200	8"	89	196	278	1435	1.55	14.5
250	10"	114	245	337	2905	1.43	28
300	12"	114	292	407	3504	1.29	34
350	14"	127	340	448	4786	1.17	55
400	16"	140	380	511	7179	1.08	72
450	18"	152	436	546	8974	0.98	95
500	20"	152	490	603	12939	0.9	127
600	24"	178	580	715	23076	0.79	193

WORKING CONDITIONS

Maximum working pressure : 20 bar.

Maximum temperature : +100°C.

Pressure test according to standards

EN 12266-1, DIN 3230, BS 6755 and ISO 5208 :

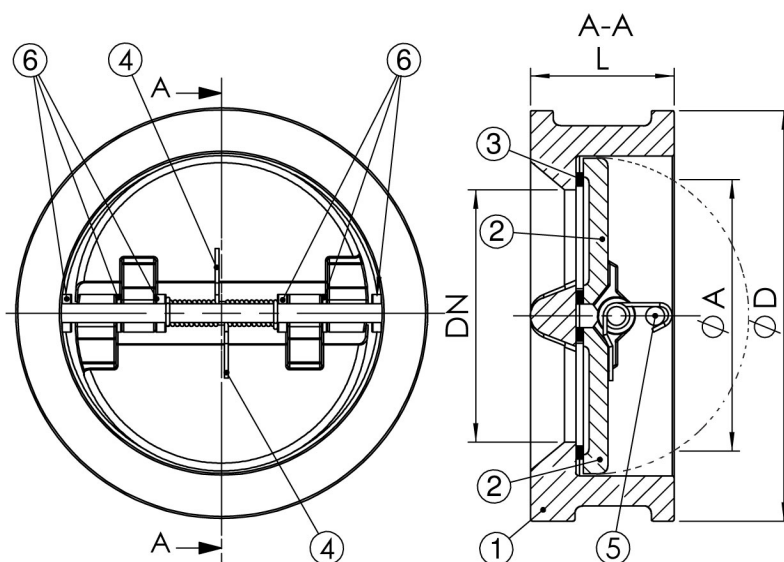
Body : 1.5xWP in bar.

Seat : 1.1xWP in bar.

STANDARDS

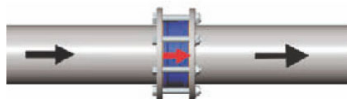
Face to face according to standards NF EN 558-1 serie 16 tab11 and DIN 3202 .

Mounting between flanges ASA 150 according to EN 14341 / ASME B16.34.



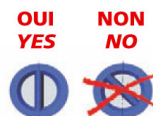
Horizontal

For assembling in horizontal position, check axis as to be placed in vertical position

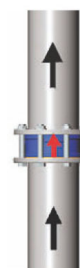


Vertical

To be assembled in vertical position the opening direction of the plates has to be in accordance with the direction of the fluid.



Descending
flow
DN<150



Ascending
flow