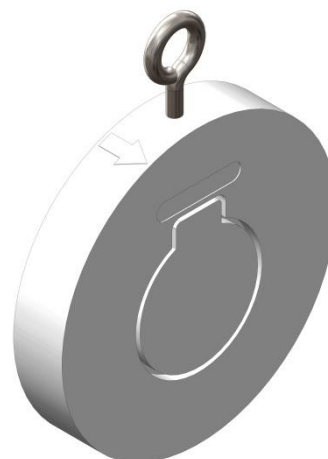


SWING CHECK VALVE - DN15 (1/2") to DN800 (32") PP-H DN15 (1/2") to DN600 (24") PVDF

Conform to the 2014/68/EU Directive



DN100 – PP-H



DN65 - PVDF

VERTICAL MOUNTING ONLY

MAIN FEATURES

- Solid check valve for an optimal mechanical resistance.
- Wafer mounting between flanges for a reduced bulk.
- Internal seals in EPDM, FPM or FFPM on request.
- PVDF Shaft from DN50 to DN150 and in titanium from DN200 (Hastelloy C on request)
- Given its operating principle, the non-spring version of this valve must be mounted vertically, the fluid flowing from bottom to top in the flow direction.
- It is recommended to never mount this type of check valve within one meter of a pump outlet (to avoid vibration and premature wearing).
- Minimum pressure to ensure seal during operation : 0,5bar.

Les descriptions et caractéristiques figurant sur ce document sont données uniquement à titre d'information et non d'engagement contractuel. SAFI se réserve le droit d'effectuer sans préavis, toute modification.

SAFI has a policy of continuously developing its product range and the above data is subject to change without prior notification.

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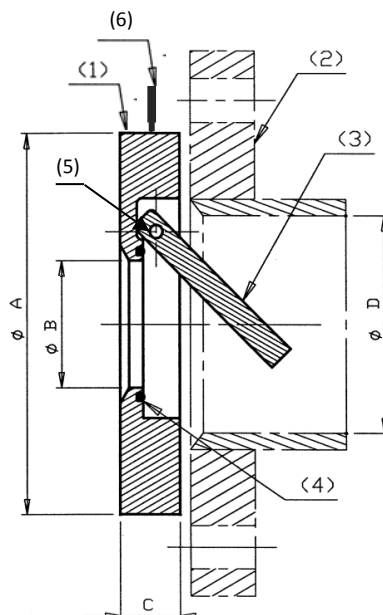
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DIMENSIONS

PP-H VERSION

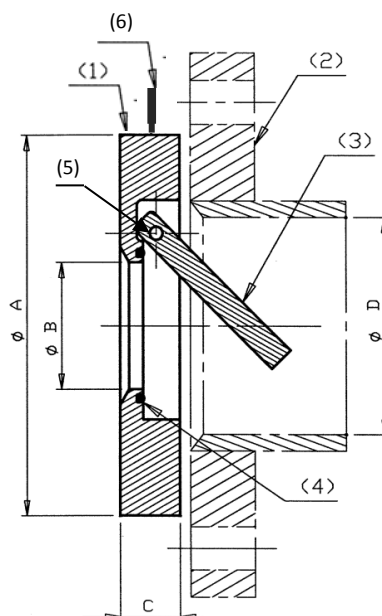


DN	A			B	C	D _{mini}	Weight (KG)
	DIN	ANSI	BS				
50	109	101	98	28	23	50	0,22
65	130	120	109	32	23	65	0,3
80	144	132	130	40	23	80	0,36
100	164	170	162	63	23	90	0,45
125	194	193	192	77	25	114	0,66
150	220	220	219	90	25	130	1,02
200	275	275	276	126	35	184	1,83
250	330	336	337	140	35	204	2,43
300	380	406	387	176	40	257	4,7
350	422	447	445	250	50	368	6
400	470	511	495	287	50	409	7,5
450	538	544	-	339	60	443	-
500	594	603	-	389	70	558	-
600	677	714	727	445	70	629	17
700	780	-	-	500	70	650	-
800	920	937	-	530	80	709	-

DIN = the outside diameter of the valve $\varnothing A$, Allows mounting between flanges with drilling in accordance with EN 1092-1 PN10

ANSI = the outside diameter of the valve $\varnothing A$, Allows mounting between flanges with drilling in accordance with ASME B16.5 CLASS 150

PVDF VERSION

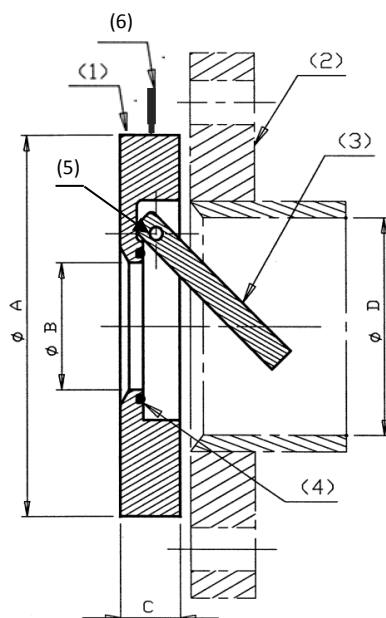


DN	A			B	C	D _{mini}	Weight (KG)
	DIN	ANSI	BS				
50	109	101	98	28	23	50	0,37
65	130	120	109	40	23	65	0,5
80	144	132	130	48	23	80	0,6
100	164	170	162	70	23	90	0,75
125	194	193	192	90	25	114	1,1
150	220	220	219	109	30	130	1,7
200	275	275	276	140	35	184	3,05
250	330	336	337	176	40	204	5,2
300	380	406	387	208	45	257	7,8
350	422	447	445	268	50	368	9,6
400	470	511	495	287	50	409	13
450	538	544	-	339	60	443	-
500	594	603	-	389	70	558	-
600	677	714	727	445	70	629	42

DIN = the outside diameter of the valve ØA, Allows mounting between flanges with drilling in accordance with EN 1092-1 PN10

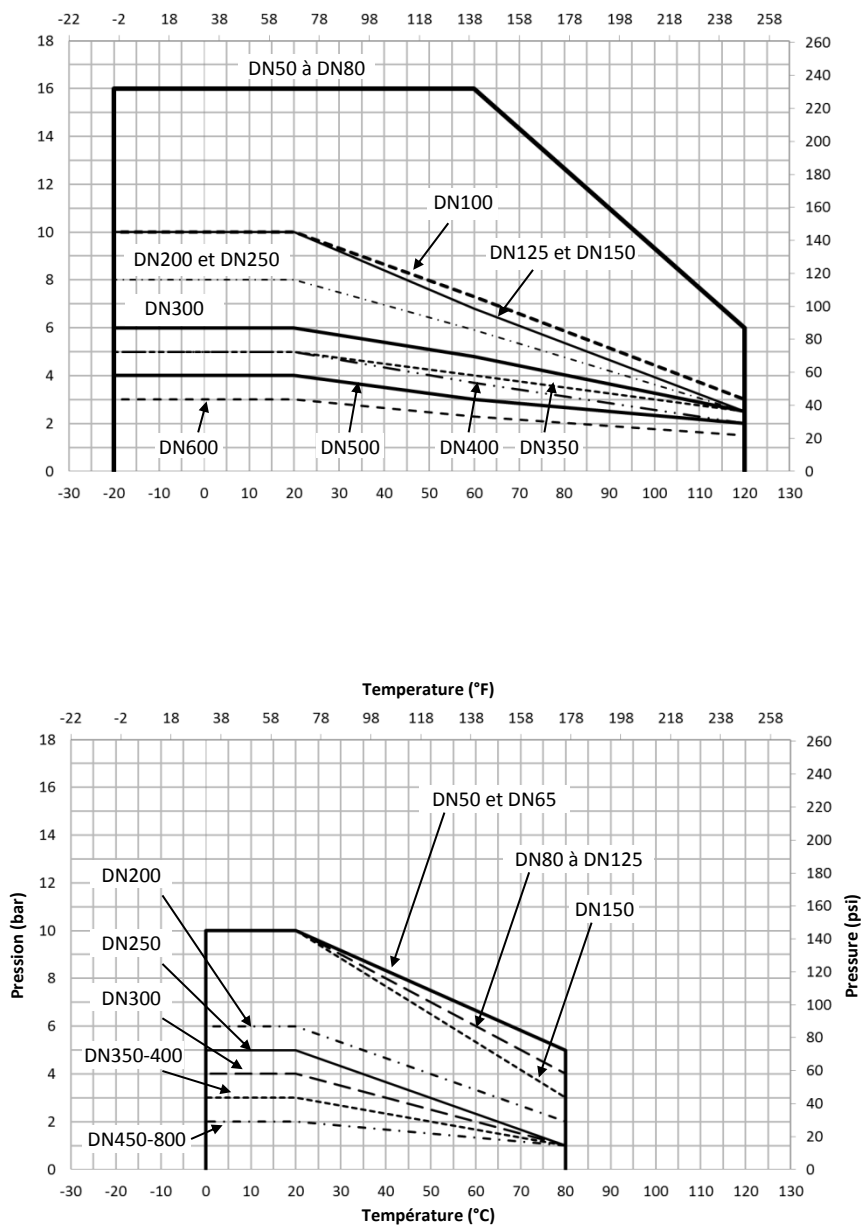
ANSI = the outside diameter of the valve ØA, Allows mounting between flanges with drilling in accordance with ASME B16.5 CLASS 150

PARTS LIST



N°	QTY	Description	MATERIAL
1	1	Body	PP-H, PE-EL, PVDF
2	1	Flange	-
3	1	Disc	PP-H, PE-EL, PVDF
4	1	O-ring	EDPM/FPM
5	1	Shaft	PVDF/ TITANIUM / HASTELLOY C276
6	1	Ring	Stainless Steel

PRESSURE / TEMPERATURE CURVES



Pressure/Temperature Summary

WORKING TEMPERATURE	
PP-H	PVDF
0°C à + 80°C	-20°C à +120°C

DN	WORKING PRESSURE (in bars at 20°C)	
	PP-H	PVDF
50 à 80	10	16
100-150	10	10
200	6	8
250	5	8
300	4	6
350-400	3	5
450-500	2	4
600	2	3
700-800	2	-

PRESSURE LOSS

DN	Kv (m ³ /h)
50	10,8
65	24,1
80	39,7
100	135,9

DN	Kv (m ³ /h)
125	283,0
150	385,1
200	524,0
250	1018,3

DN	Kv (m ³ /h)
300	1240,2
400	1944,3
500	2746,9
600	3839,1

Kv defined according to NF EN 1267

Our valves are guaranteed for an average fluid velocity in the pipeline of ≤ 2 m/s. Please contact us with the working conditions for any higher speed.

CHEMICAL RESISTANCE

The chemical resistance of the valve is subject to the type of fluid, the temperature, the pressure, as well as the materials and seals of the valve.

Please contact us to have a personalized analysis of the resistance of one of our products to a given fluid

You can also consult, for information only, the table given in ISO 10358. However, this table cannot be considered as a recommendation by SAFI who could not be held liable for the use of this document.

DETERMINING A PRODUCT CODE

TYPE	SPECIFICATION	DN	Type of Disc	Type of Shaft	Seals
2044 = PVDF Swing Check Valve 2054 = PP-H Swing Check Valve	D = EN1092-1 PN10 (DIN) A = ASME B16.5 Class 150 (ANSI)	00 = DN15 10 = DN150 01 = DN20 11 = DN200 02 = DN25 12 = DN250 03 = DN32 13 = DN300 04 = DN40 14 = DN350 05 = DN50 15 = DN400 06 = DN65 16 = DN450 07 = DN80 17 = DN500 08 = DN100 18 = DN600 09 = DN125	R = Standard Disc A = Light Disc (only in PP-H)	P = PVDF shaft (DN15 to DN150) T = Titanium Shaft (DN>=200) H = Hastelloy shaft C276 (DN>=200)	E = EPDM V = FPM (for type 2054) Z = FPM (for type 2044) D = FFPM

Example: 2044D05RPZ

2044	D	05	R	P	Z
PVDF Swing Check Valve	EN1092-1 PN10 (DIN)	DN50	Standard Disc	PVDF Shaft	FPM