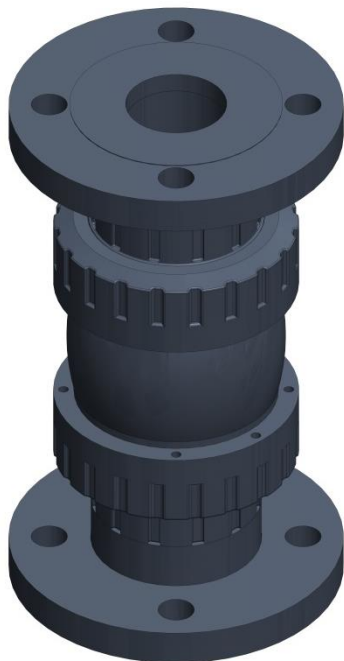


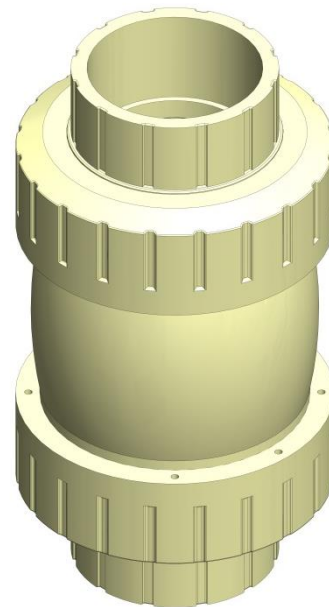
BALL CHECK VALVE– DOUBLE UNION

DN15 (1/2") to DN100 (4") – PP-H, PVC-U, PVC-C, PVDF

Conform to the 2014/68/EU Directive



DN50 – PVC-U - Flanged



DN80 –PP-H – Double union

VERTICAL MOUNTING ONLY

MAIN FEATURES

- Ball check valve for an optimal pressure loss
- Double union assembly allowing multiple connection options
- Given its operating principle, this check valve must be mounted vertically, the fluid flowing from bottom to top in the flow direction.

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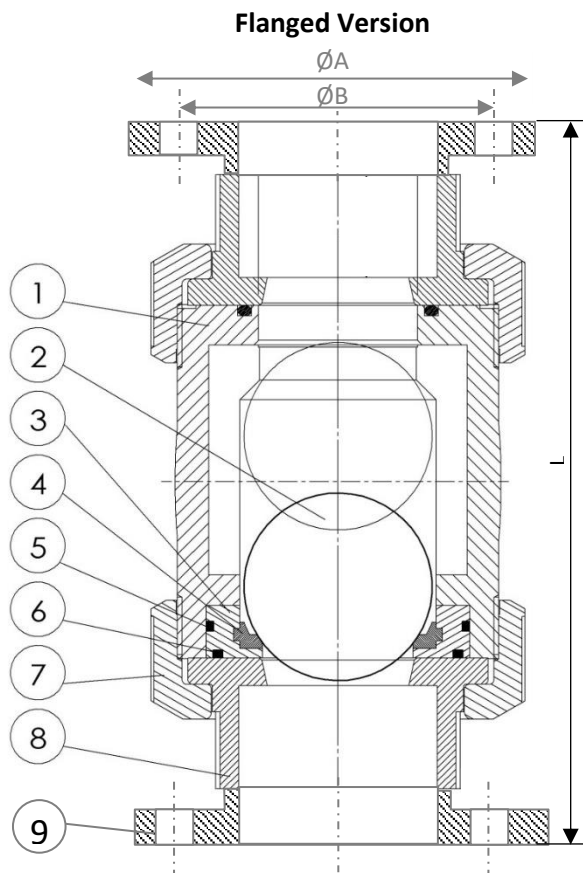
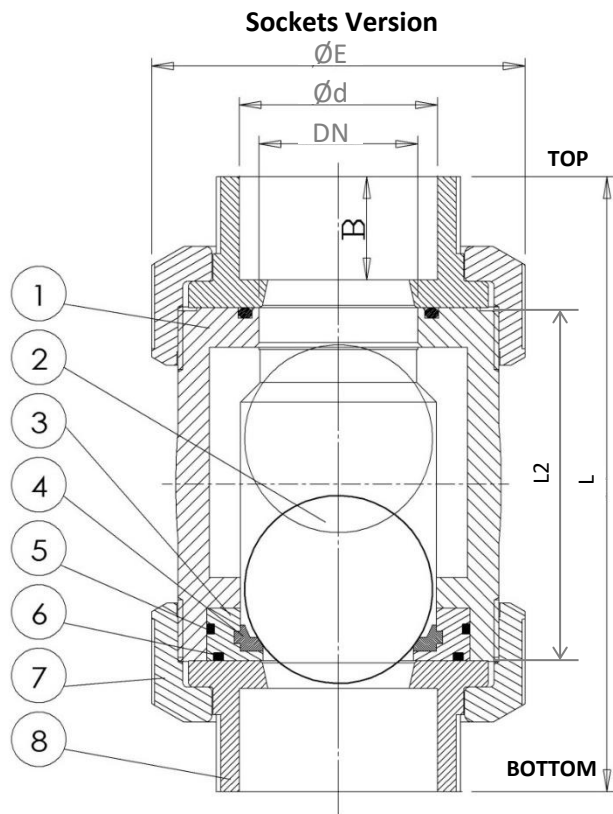
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DIMENSIONS

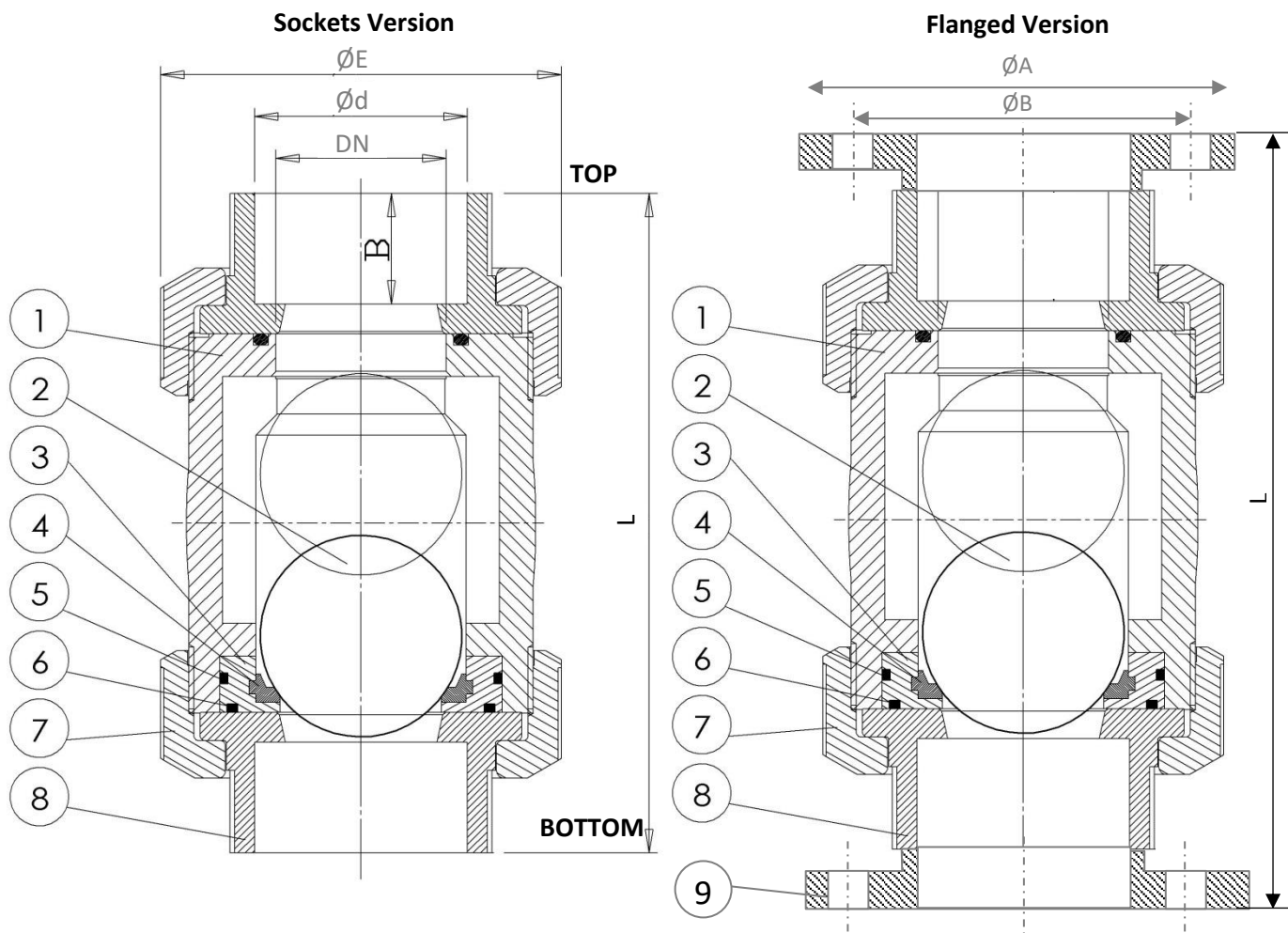


Fitting									Flanges						Weight (kg)					
DN	B	Ød			ØE	L		L2	ØA		ØB		L		PVC		PP-H		PVDF	
		Metric	SCHEDULE 80	Threaded		PP-H	PVC		(DIN)	(ANSI)	(DIN)	(ANSI)	PP-H	PVC	Metric SCH80	Flanges	Metric	Flanges	Metric	Flanges
15	16	20	21,3	½"	53,5	102	105	53	95	88,9	65	60,3	141	145	0,16	0,48	0,10	0,34	0,21	0,50
20	17	25	26,6	¾"	63,3	116	119	60	105	98,4	75	69,8	157	159	0,24	0,60	0,18	0,50	0,21	0,50
25	20	32	33,4	1"	73	134	136	68	115	107,9	85	79,4	173	184	0,36	0,96	0,26	0,70	0,31	0,71
32	30	40	42,1	1" ¼	97,5	172	176	85	140	117,5	100	88,9	202	220	0,84	1,84	0,58	1,34	0,44	1,06
40	30	50	48,3	1" ½	97,5	172	176	85	150	127	110	98,4	216	220	0,76	1,76	0,54	1,38	1,07	1,70
50	34	63	60,3	2"	120,5	193	196	106	165	152,4	120	120,6	242	248	1,42	3,42	1,02	2,22	1,02	1,95
65	44	75	73	2" ½	150	226	222	108	185	177,8	145	139,7	284	276	-	-	1,82	3,54	1,76	3,17
80	50	90	88,9	3"	184	274	274	147	200	190,5	160	152,4	331	340	-	-	3,38	5,98	3,17	4,79
100	61	110	114,3	4"	199	367	361	211	220	228,6	180	190,5	434	422	-	-	5,06	8,54	6,60	7,70

DIN = Drilling in accordance with EN 1092-1 PN10/PN16

ANSI = Drilling in accordance with EN1759-1/ASME B16.5 Class 150

PARTS LIST

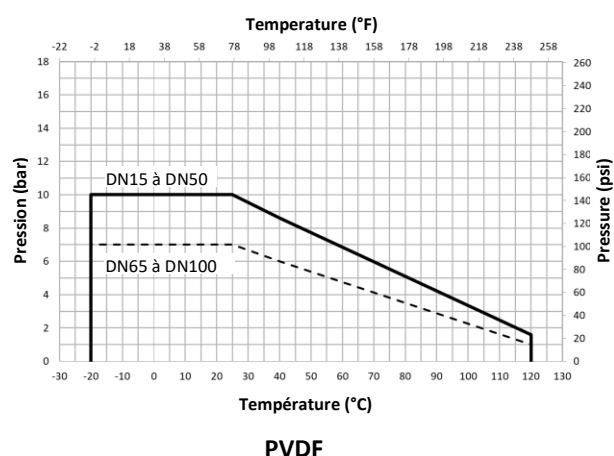
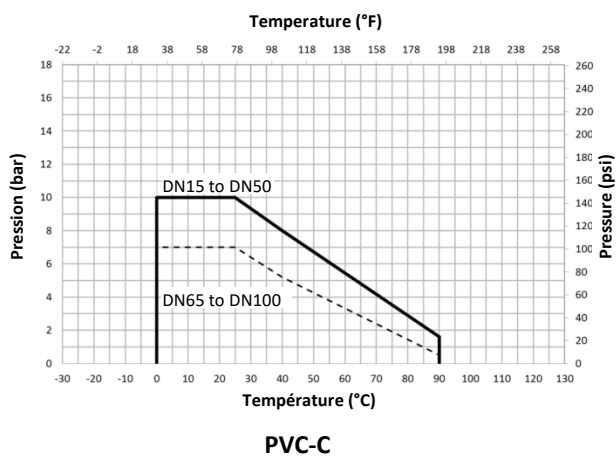
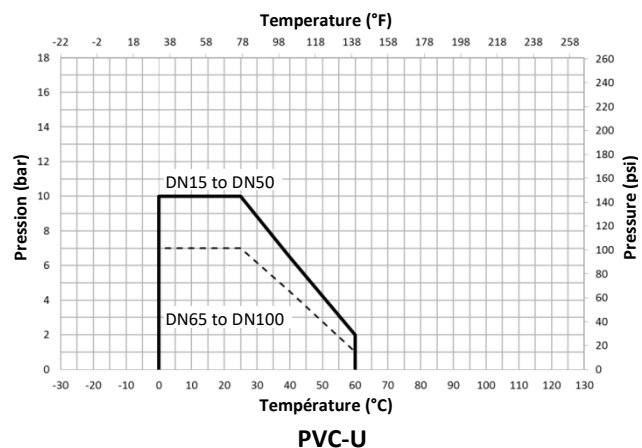
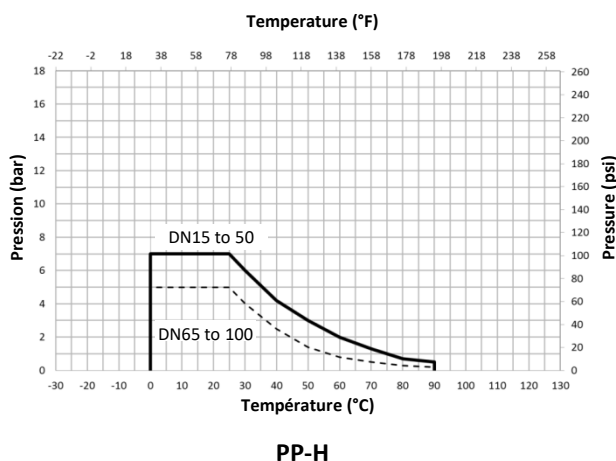


N°	QTY	DESCRIPTION	MATERIAL
1	1	Body	PVC-U/PVC-C/ PP-H/PVDF
2	1	Ball	PVDF/PVC-C
3	1	Seat Support	PVC-U/PVC-C/ PP-H/PVDF
4	1	Seat	EPDM/FPM
5	1	O-ring	EPDM/FPM
6	2	O-ring	EPDM/FPM
7	1	Nut	PVC-U/PVC-C/ PP-H/PVDF
8	1	Fitting	PVC-U/PVC-C/ PP-H/PVDF
9	2	Flange	PVC-U/PVC-C/ PP-H/PVDF

Minimum open & close pressure (bar)

DN	Ouverture	Fermeture
15	0.05	0.2
20	0.05	0.3
25	0.05	0.3
32	0.10	0.3
40	0.10	0.3
50	0.10	0.3
65	0.10	0.3
80	0.10	0.2
100	0.10	0.2

PRESSURE / TEMPERATURE CURVES



Pressure /Temperature Summary

DN	WORKING PRESSURE (in bars at 20°C)				Type of Seal	WORKING TEMPERATURE			
	PVC-U	PVC-C	PP-H	PVDF		PVC-U	PVC-C	PP-H	PVDF
15	10	10	7	10	EPDM/FPM	0°C to + 60°C	0°C to + 90°C	0°C to + 90°C	0°C to + 120°C
20	10	10	7	10					
25	10	10	7	10					
32	10	10	7	10					
40	10	10	7	10					
50	10	10	7	10					
65	7	7	5	7					
80	7	7	5	7					
100	7	7	5	7					

PRESSURE LOSS

DN	Kv (m³/h)
15	5,6
20	14,7
25	21,6
32	40,7
40	74,4
50	112,5
65	174,1
80	242,2
100	432,5

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	Fitting (Inlet)	Fitting (Outlet)	Seals
3307 = PVC-U Ball Check Valve 3309 = PP-H Ball Check Valve 3310 = PVDF Ball Check Valve 3317 = PVC-C Ball Check Valve	- = standard check valve	00 = DN15 01 = DN20 02 = DN25 03 = DN32 04 = DN40 05 = DN50 06 = DN65 07 = DN80 08 = DN100	A = BSP Threaded Socket B = PVC DIN Metric Socket C = Metric plain socket (same material as body) S = PVC SCHEDULE 80 Socket (same material as body) F = Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN) G = Flange with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI) Different types of fittings are available, consult the TDS-EQUIP-3101 product sheet	A = BSP Threaded Socket B = PVC DIN Metric Socket C = Metric plain socket (same material as body) S = PVC SCHEDULE 80 Socket (same material as body) F = Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN) G = Flange with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI) Different types of fittings are available, consult the TDS-EQUIP-3101 product sheet	E = EPDM V = FPM

Example : 3309-02CCE

3309	-	02	C	C	E
PP-H Ball Check Valve	Standard	DN20	Metric plain socket (same material as body)	Metric plain socket (same material as body)	EPDM Seals