

BALL VALVE – SANDWICH CONSTRUCTION - DN80 (3") – PPGF, PVDF

Conform to the 2014/68/EU Directive



DN80 - PPGF

MAIN FEATURES

- 3-Piece construction Ball Valve.
- Full Bore.
- Color Handle indicating type of Seals (Red = EPDM, Green = FPM, Blue = FEP/FFPM)
- Inner Shape promoting flow and limiting retention zones.

STANDARDS & APPROVALS



DGS/SD7A N°571 : Circular on the terms and conditions for the verification of the sanitary conformity of the constituent materials of accessories or subassembly accessories, consisting of organic elements in contact with water intended for human consumption (Food Grade Approval)



NR320 : Certification scheme of materials and equipment for the classification of marine units

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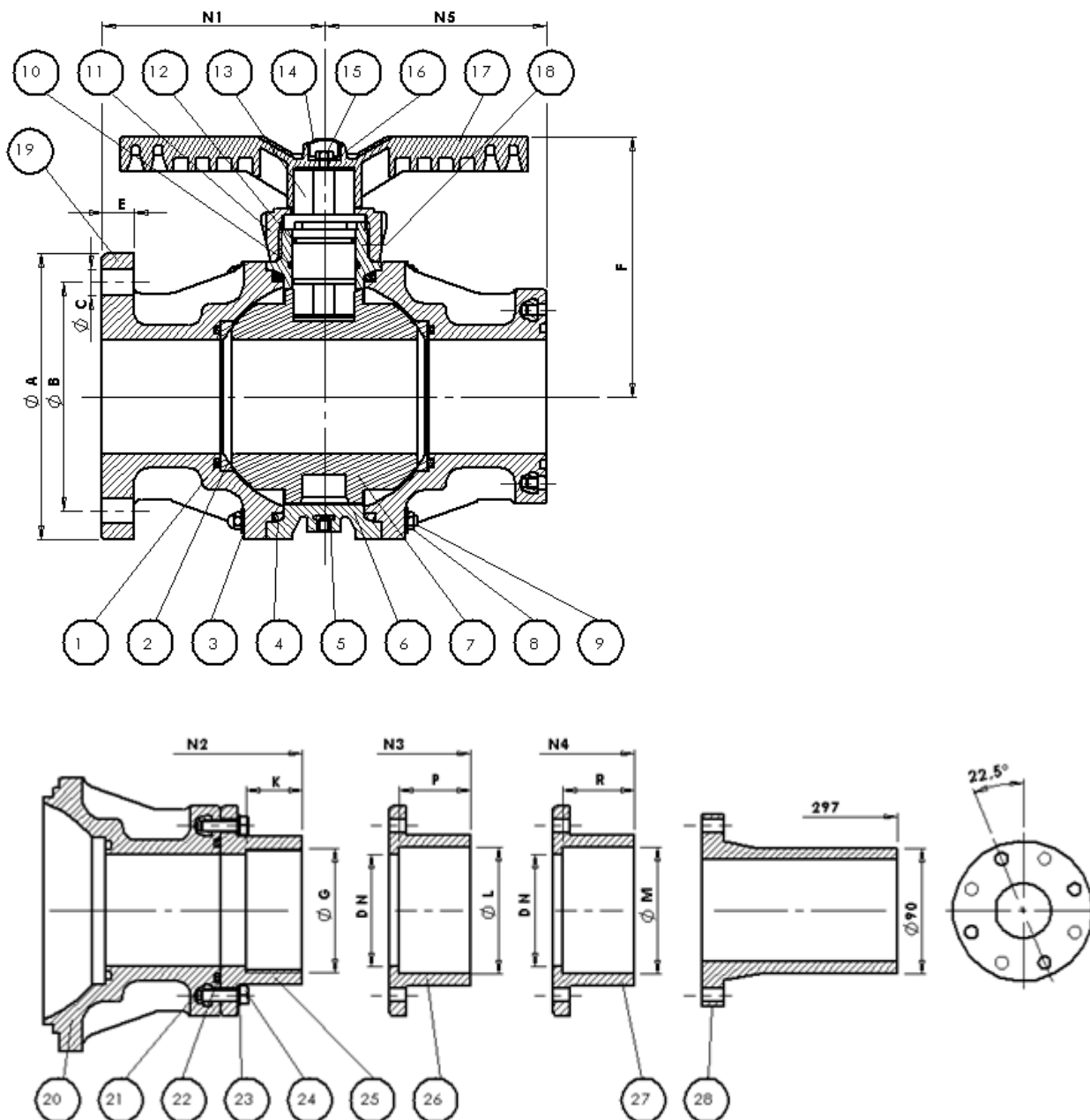
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DIMENSIONS



	ØA			ØB			ØC												
DN	DIN	ANSI	DIN	ANSI	DIN	ANSI	E	F	G	K	L	M	N1	N2	N3	N4	N5	P	R
80	200	184	160	152	18x8	19x8	22	180	3" GAZ	40	90,3	88	155	213	215	215	159	52	50

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

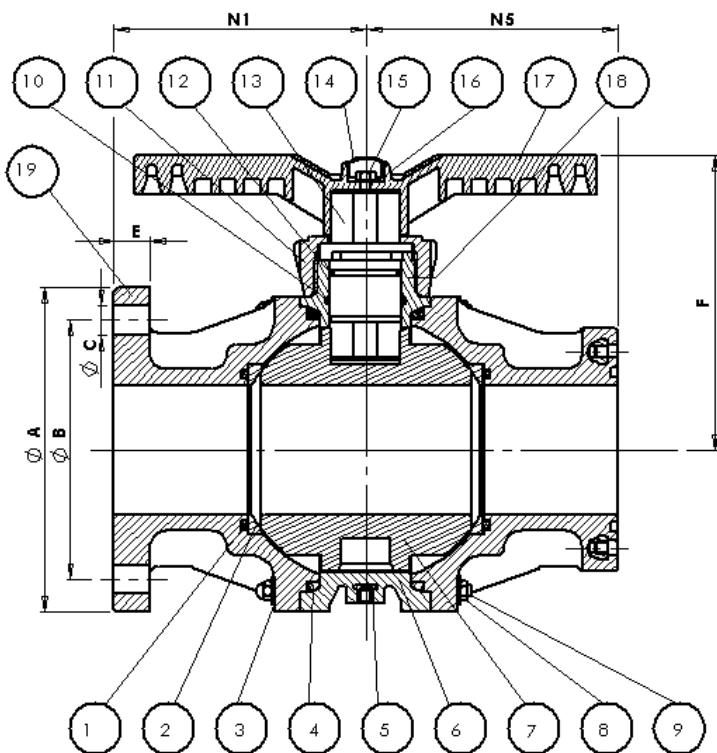
ANSI = Drilling in accordance with EN1759-1/ASME B16.5 Class 150

DN	WEIGHT (KG)			
	PPGF		PVDF	
	With 2 Flanges	With 2 Fittings	With 2 Flanges	With 2 Fittings
80	5,5	5,7	9	9,3

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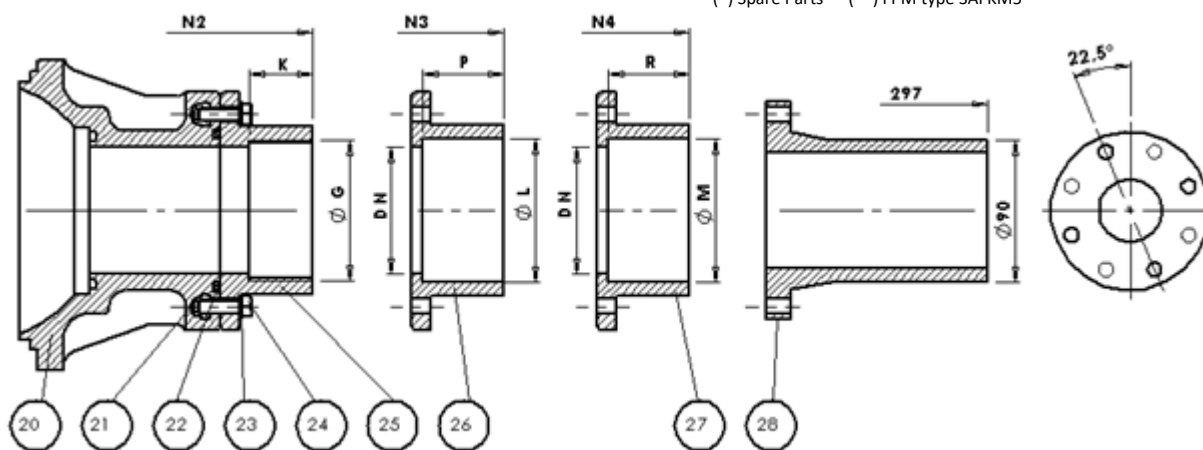
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PARTS LIST



N°	QTY	DESCRIPTION	MATERIAL
1*	2	O-RING	EPDM/FPM**/NBR
2*	2	SEAT	PTFE
3	16	WASHER L6	SS 316
4*	2	O-RING	EPDM/FPM**/NBR
5	1	FIXING INSERT	SS 303
6	1	BODY	PPGF/PVDF
7*	1	BALL	PPGF/PVDF
8	8	CAP NUT M6	SS 316
	8	NUT HU M6	SS 316
9	8	THREADED ROD M6	SS 316
10*	1	O-RING	EPDM/FPM**/NBR
11	1	NUT	PPGF/PVDF
12*	1	SPINDLE O-RING	EPDM/FPM**/NBR
13*	1	SPINDLE	PPGF/PVDF
14	1	CAP	PE
15	1	SCREW TH M6x20	SS 316
16	1	WASHER Z6	SS 316
17	1	HANDLE	PPGF
18	1	SET SCREW	SS 316
19	2	FLANGE	PPGF/PVDF

(*) Spare Parts (**) FPM type SAFKM5



N°	QTY	DESCRIPTION	MATERIAL
20	1	SIMPLE END	PPGF/PVDF
21	6	MOULDED NUT	SS 316
22	1	O-RING	EPDM/FPM**/NBR
23	6	WASHER Z8	SS 316
24	6	SCREW TCHC M8x25	SS 316
25	1	THREADED SOCKET	PPGF/PVDF
26	1	METRIC SOCKET	PVC-U/ABS
27	1	METRIC SOCKET	PP-H/PEHD/PVDF
28	1	METRIC SPIGOT	PP-H/PEHD/PVDF

(*) Spare Parts (**) FPM type SAFKM5

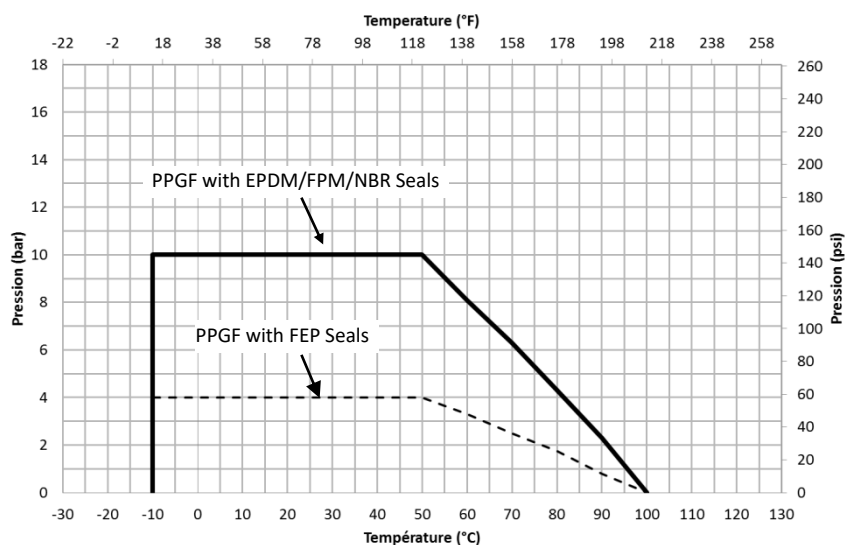
DIN = Drilling in accordance with EN 1092-1 PN10/PN16

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

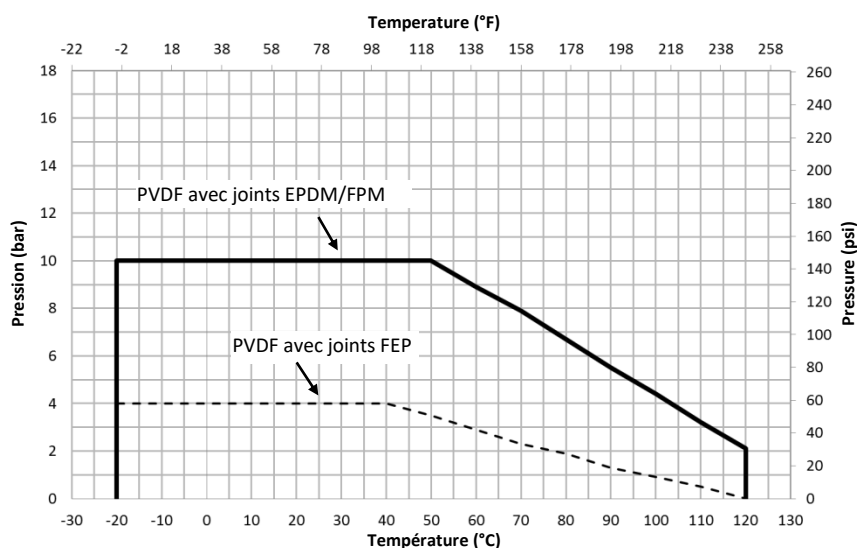
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PRESSURE / TEMPERATURE CURVES



PPGF



PVDF

Pressure /Temperature Summary

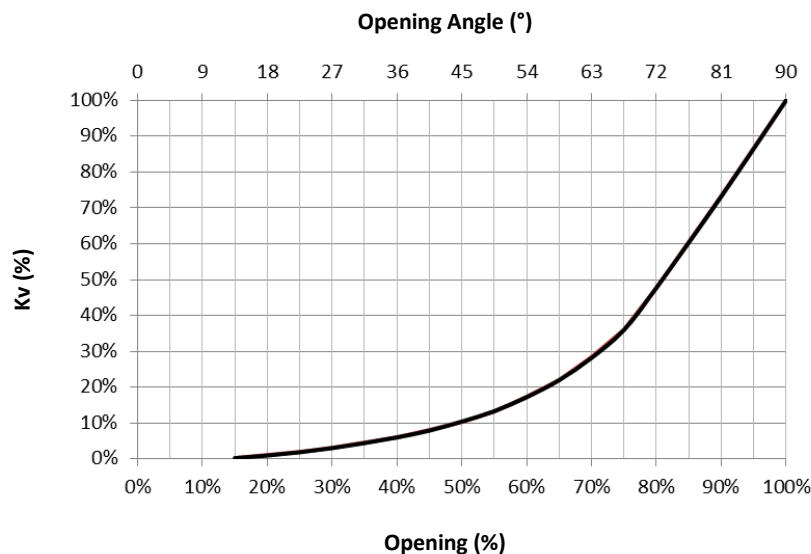
Type of Seals	Working Pressure	Working Temperature	
		PPGF	PVDF
EPDM / FPM / NBR	10 bars at 20°C	- 10°C to +100°C	- 20°C à +120°C
FEP	4 bars at 20°C	- 10°C to +100°C	- 20°C à +120°C

The mechanical characteristics of the FPM and FFPM seals subjected to an ambient temperature below -5°C require the implementation of proper insulation on the valves equipped with such seals. Contact us for more information.

PRESSURE LOSS

DN	Kv (m ³ /h)
80	410,8

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.

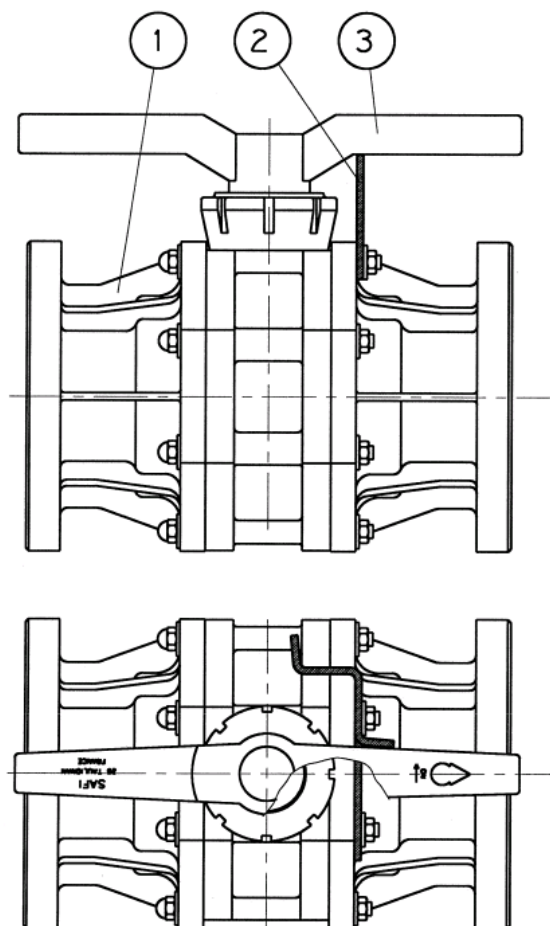
CHEMICAL RESISTANCE

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.

OPTION: LOCKING SYSTEM



N°	QTY	Description	Material	Product Code
1	1	DN80 Ball Valve	PPGF/PVDF	1003-33/2027-07
2	1	Handle Stop	SS 304	1102-06K
3	1	Handle	PPGF	-

OTHER AVAILABLE OPTIONS

- . Manual Operation with Spring Return
- . Extended Stem
- . Thermal Insulation Extension
- . Limit Switch Box

Contact us, for more information on the Available Options.

DETERMINING A PRODUCT CODE

TYPE	SPECIFICATION	DN	Fitting (Inlet)	Fitting (Outlet)	SEALS
1003 = PPGF Ball Valve 2027 = PVDF Ball Valve	- = Standard	33 = DN80 (PPGF) 07 = DN80 (PVDF)	A : BSP Threaded Socket C : PP-H or PVDF Metric Socket (same material as the body) U : PE-100 Metric Socket F : Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN) G : Flanges with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI)	A : BSP Threaded Socket C : PP-H or PVDF Metric Socket (same material as the body) U : PE-100 Metric Socket F : Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN) G : Flanges with drilling in accordance with EN1759-1/ASME B16.5 Class 150 (ANSI)	E = EPDM V = FPM (type SAFKMS) N = NBR A = Acetic EPDM

Example: 1003-33FFE

1003	-	33	F	F	E
PPGF Ball Valve	Standard	DN80	Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	EPDM Seals

Example: 1003-33AFV

1003	-	33	A	F	V
PPGF Ball Valve	Standard	DN80	BSP Threaded Socket	Flanges with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	FPM Seals

Exemple : 2027-07CCA

2027	-	07	C	C	A
PVDF Ball valve	Standard	DN80	PVDF Metric Socket	PVDF Metric Socket	Acetic EPDM Seals