

CHECK VALVE WITH CONE AND SPRING – 3 PIECE CONSTRUCTION DN80 (3") to DN100 (4") – PPGF, PVDF

Conform to the 2014/68/EU Directive



DN80 – PPGF – Flanged



DN80 – PVDF – Flanged

MAIN FEATURES

- This Check Valve consists of a contoured cone optimizing the pressure loss during the passage of the fluid
- The spring makes it possible to control the closing of the valve regardless of its installation position. This valve can be used in a horizontal position.
- A pressure of 0.1 bar is necessary to overcome the force of a standard spring or 0.5 bar for a "strong" spring in normal use in the flowing direction.
- A counter pressure of 0.3 bar is necessary to keep tightness in the non-flow direction.

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.

Die Beschreibungen und Daten, die sich auf diesem Dokument befinden, sind rein informativ und unverbindlich. SAFI behält sich vor, ohne Vorankündigung Änderungen vorzunehmen, die als technisch notwendig erachtet werden.
Las descripciones y características que figuran en este documento son indicativas. En ningún caso son contractuales. SAFI se reserva el derecho sin previo aviso de efectuar cualquier modificación.

SAFI

Av. Jacques Moison – BP 1
26770 TAULIGNAN
FRANCE
Tél.: (+33) 4 75 53 56 29
Fax : (+33) 4 75 53 62 78
info@safi-valves.com

SAFI Limited

35 Holton Road
Holton Heath Trading Park
POOLE Dorset - BH16 6LT
UNITED KINGDOM
Tél.: (+44) 1202 624618
Fax : (+44) 1202 628500
sales@safi-valves.com

SAFI Deutschland

Kunststoffarmaturen
Vertriebs GmbH
Jahnstrasse 29
64319 PFUNGSTADT
DEUTSCHLAND
Tél. : (+49) 61 57 81 919
Fax : (+49) 61 57 82 025
info-deutschland@safi-valves.com

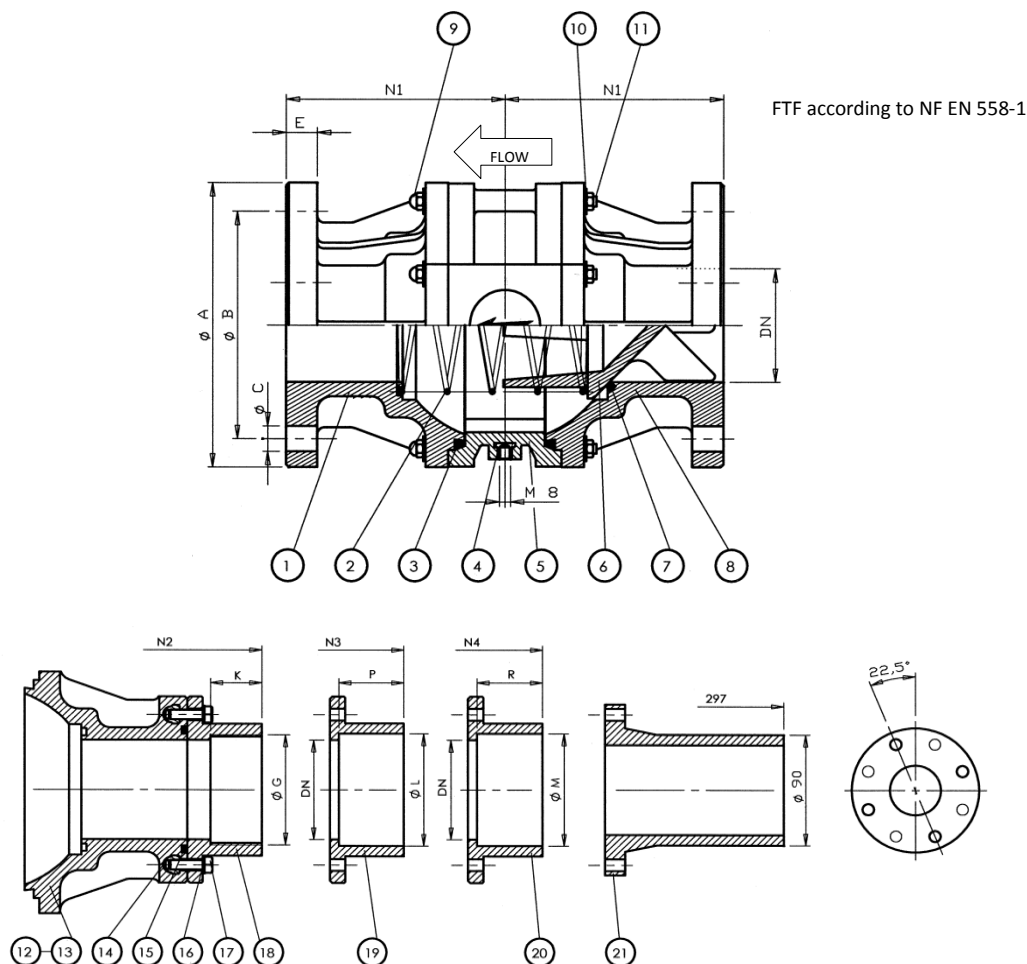
SAFI Fabrica de Valvulas

C/ Carboners, 35
Pol. Ind. La Cometa
43700 EL VENDRELL
TARRAGONA-ESPAÑA
Tél.: (+34) 977 665 147
Fax : (+34) 977 664 989
info@safi-valvulas.com

SAFI America

Las Garzas Trade Center
Las Garzas #950, B
Quilicura
SANTIAGO – CHILE
Tél.: (+56 2) 2 510 3500
Fax : (+56 2) 2 510 3507
info@safi-america.com

DIMENSIONS



DN	AØ	ØB			ØC			E	ØG	K	ØL	ØM	N1	N2	N3	N4	P	R
		DIN	ANSI	BS	DIN	ANSI	BS											
80	200	160	152.4	146	18	19	17.5	22	3"GAZ	40	88	90.3	155	213	215	215	52	52
100*	220	180	190.5	177.8	18	19	17.5	24	-	-	-	-	175	-	-	-	-	-

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

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

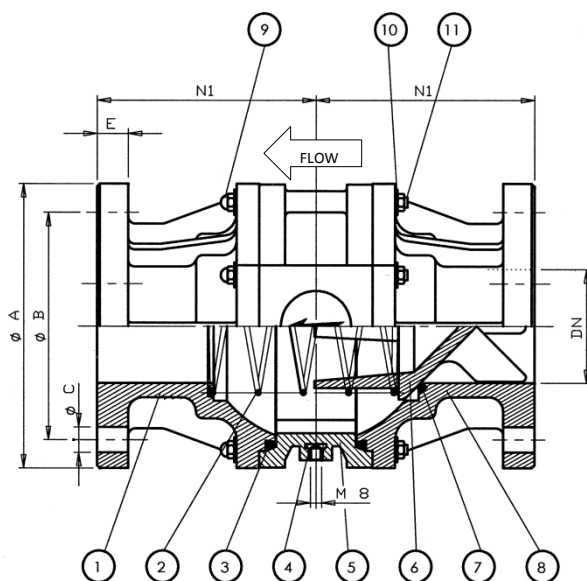
*DN100 is only available with Flanges

DN	Weight (in kg)	
	PPGF	PVDF
80	3.8	8
100	4.6	8,4

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.

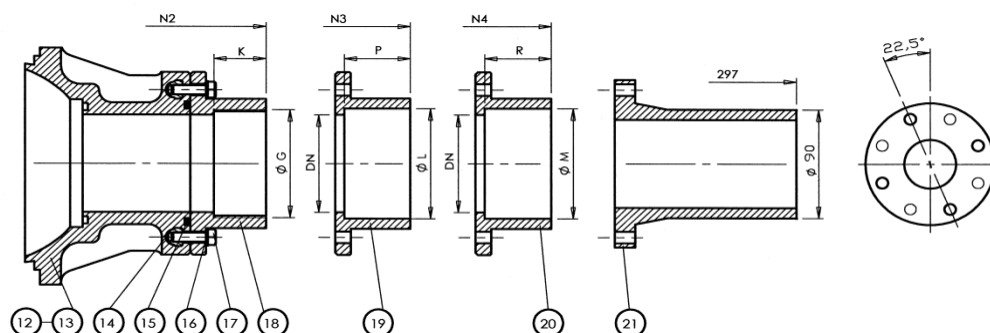
Die Beschreibungen und Daten, die sich auf diesem Dokument befinden, sind rein informativ und unverbindlich. SAFI behält sich vor, ohne Vorankündigung Änderungen vorzunehmen, die als technisch notwendig erachtet werden.
Las descripciones y características que figuran en este documento son indicativas. En ningún caso son contractuales. SAFI se reserva el derecho sin previo aviso de efectuar cualquier modificación.

PARTS LIST

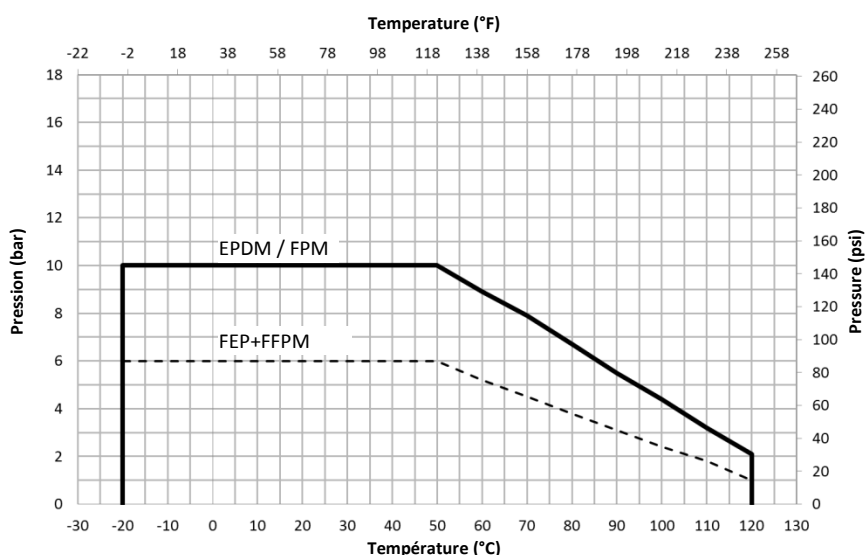
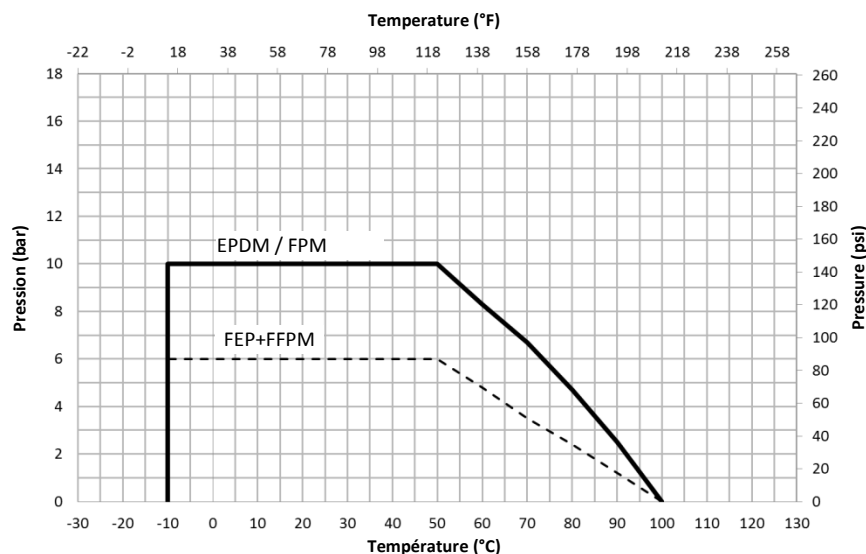


N°	QTY	DESCRIPTION	MATERIAL
1	1	DIN Flanged connecting end	PPGF
		ANSI Flanged connecting end	PPGF
		BS Flanged connecting end	PPGF
2	1	Spring	SS 316
			Hastelloy C276
3*	2	O-ring	EPDM, FPM**, FEP
4	1	Fixing Insert	Inox 304
5	1	Body	PPGF
6*	1	Cone	PP-H
7*	1	O-ring	EPDM, FPM**, FPM
8	1	DIN Flanged connecting end	PPGF
		ANSI Flanged connecting end	PPGF
		BS Flanged connecting end	PPGF
9	8	Cap nut M6	SS 316
		Nut HU M6	SS 316
10	16	Wahser L 6	SS 316
11	8	Stud M6	SS 316
12	1	Half Coupling	PPGF
13	1	Half Coupling	PPGF
14	6	Moulded nut	SS 304
15*	1	O-ring	EPDM, FPM**, FEP
16	6	Washer Z8	SS 316
17	6	Screw TCHC M8x25	SS 316
18	1	BSP Threaded Socket	PPGF
19	1	Metric Plain Socket	PP-H
		Imperial Plain Socket BS	PP-H
20	1	Metric Plain Socket	PVC-U
21	1	Metric Plain Spigot	PP-H
			PE-HD

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



PRESSURE / TEMPERATURE CURVES



Pressure/Temperature Summary

Type of Seals	WORKING PRESSURE (in bars at 20°C)	
	PPGF	PVDF
EPDM / FPM	10	10
FEP + FFPM	6	6

WORKING TEMPERATURE	
PPGF	PVDF
0°C to + 100°C	-20°C to + 120°C

PRESSURE LOSS

DN	Kv (m ³ /h)
80	72,0
100	87,0

Kv defined according to NF EN 1267

Pressure Loss given in the flowing direction of a check valve equipped with a standard spring.

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	SPÉCIFICATION	DN	Fitting (Inlet)	Fitting (Outlet)	Seals	Spring
2001 = PPGF Check Valve	- = Standard Cone	07 = DN80 08 = DN100	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)	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)	E = EPDM V = FPM type SAFKM5 (for type 2001) Z = FPM type SAFKM5 (for type 2068) P = FEP+FFPM	I = Normal spring in Stainless steel 316 H Normal spring in Hastelloy C276
2068 =PVDF Check Valve						

Example : 2001-07FFVH

2001	-	07	F	F	V	H
PPGF Check Valve	Standard Cone	DN80	Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	FPM type SAFKM5 (for type 2001)	Normal Spring in Hastelloy C276

Example : 2068-08FFZI

2068	-	08	F	F	Z	I
PVDF Check Valve	Standard Cone	DN100	Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	Flange with drilling in accordance with EN 1092-1 PN10/PN16 (DIN)	FPM type SAFKM5 (for type 2068)	Normal Spring in Stainless Steel 316