

Technical data sheet

Type 802T

Non-return valve

System W

Applications and special features



- Operates in any position
- Easy mounting and dismounting, space-saving
- Minimum head loss
- Does not generate hammering
- Closing system : disc with parabolic edges with return spring ; lateral guiding by 3 or 4 ribs.
- Metal/metal seal (machined trim)
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Technical description

Important notice:

The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

DN	PFA	PS in bar				Cat.	References	Vvs-nr
		in bar	L1	L2	G1	G2		
1 1/4	32	16	16	16	16	16	I 149B 2413T	
1 1/2	40	16	16	16	16	16	I 149B 2414T	
2	50	16	16	16	16	16	I 149B 2415T	

For DN 1/2, 3/4 and 1" : see type 812XT

- **Connection** : Between flanges female/female, BSP threaded
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum Permissible pressure PS - other mediums**: See table

• **θ** Mini. -10 °C
Maxi. 200 °C

• **Mediums** : Clear liquids

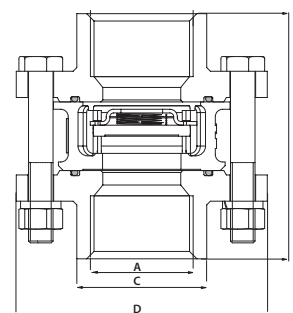
• **Leakage rate** : according to EN 12266-1 rate E

• **Approvals** : ACS PED 2014/68/UE

- **International construction Standards** :
CE Conformity Directive 97/23/CE
Thread connection according to NFE 03-005 - ISO 228
Overall dimensions without nipples according to EN558-1 series 49

Overall dimensions

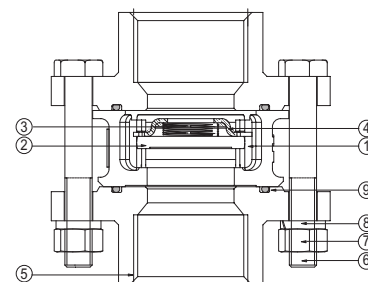
A		B	C	D	Weight
"	mm	mm	mm	mm	kg
1 1/4	32	100	53	102	1
1 1/2	40	105,5	61	108	2,2
2	50	118	73	127	3,2



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN 1"1/4 to 2"	DZR brass	CuZn35Pb2Al-C	
2	CLOSING SYSTEM	Stainless steel	X2CrNiMo17-12-2	ANSI 316L
3	SPRING	Stainless steel	X10CrNi18-8	ANSI 302
4	STOP-GUIDE	Stainless steel	X2CrNiMo17-12-2	ANSI 316L
5	COUNTER-FLANGE	Stainless steel	X5CrNiMo19-11-2	ANSI 316
6	SCREW	Stainless steel	X5CrNiMo17-12-2	ANSI 316
7	NUT	Stainless steel	X5CrNiMo17-12-2	ANSI 316
8	WASHER	Stainless steel	X5CrNiMo17-12-2	ANSI 316
9	SEAL	PTFE		

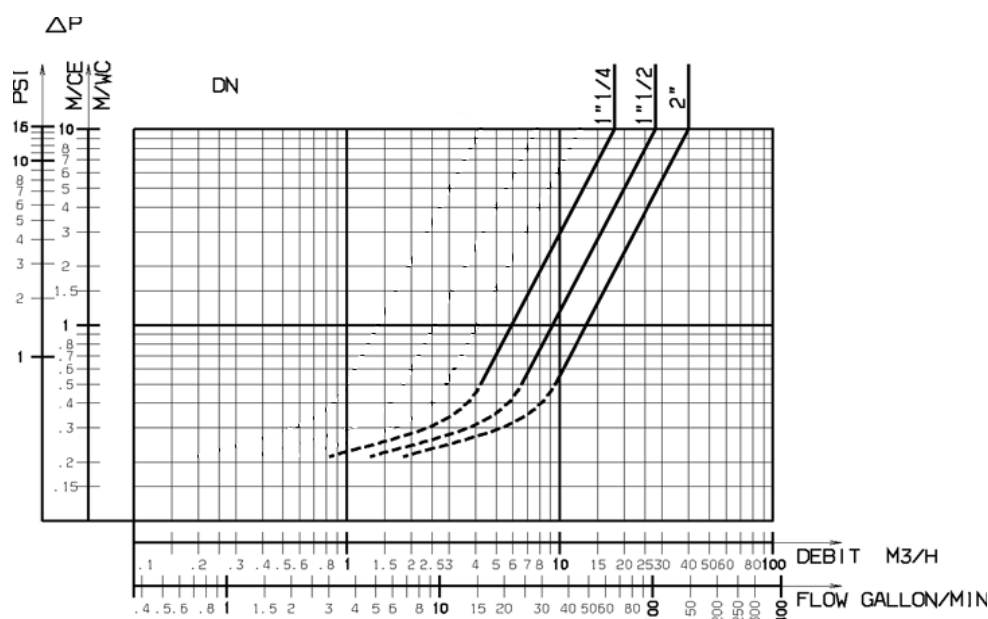
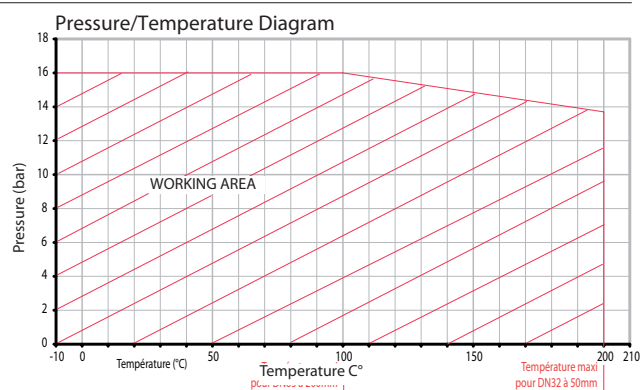


Working principle

DN		Opening pressure mm/WC				Kv	ζ
"	mm	↑	↓	↔	Without spring	m³/H	
1 ^{1/4}	32	190	130	160	30	18,00	5,0
1 ^{1/2}	40	200	120	160	40	28,00	5,1
2	50	210	110	160	50	40,10	6,1

Direction for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



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