Technical data sheet

Type 802

Non-return valve

W system

Applications and special features

- Operates in any position
- Easy to install and dismantle, 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 (ND 32 to 100).
- Closing system with back axial guiding and return spring (ND 125 to 200).
- Metal/metal seal (machined trim)
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Technical description

DN		PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
"	mm			L1	L2	G1	G2			
1 1/4	32	6/16	16	16	16	16	16	I	**149B 2413**	
1 1/2	40	6/16	16	16	16	16	16	I	**149B 2414**	
2	50	6/16	16	16	16	16	16	I	**149B 2415**	
2 1/2	65	6/16	16	16	16	15	16	I	**149B 2416**	
3	80	6/16	16	16	16	12	16	I	**149B 2417**	
4	100	6/16	16	16	16	10	16	I	**149B 2418**	
5	125	16	16	16	16	0,5	16	I	**149B 2439**	
6	150	16	16	13	16	0,5	16	I	**149B 2440**	
8	200	16	16	10	16	0,5	16	I	**149B 2441**	

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

Important notice:

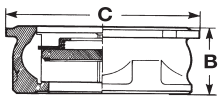
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use.
Therefore, it is essential to validate the use of products under given operating conditions.

- **Connection** : Between flanges- PN see table
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum Permissible pressure PS - other mediums**: See table
- **T° :** Mini. -10 °C
  Maxi. 200 °C (DN65 to 200mm : 100°C)
- **Mediums** : Clear liquids
- **Leakage rate :** according to EN 12266-1 rate E
- **Approvals** : ACS BUREAU VERITAS CE PED 2014/68/UE
- **International construction Standards** :
  CE Conformity Directive 97/23/CE
  Connection according to ASA B16.1 class 125RF
  Connection according to EN 1092.2
  Overall dimensions according to EN558-1 series 49

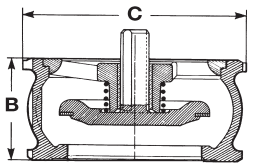
Overall dimensions

DN		B	C - PN6	C - PN10/16/ ASA150	Weight
"	mm	mm	mm	mm	kg
1 1/4	32	28	78	84	0,35
1 1/2	40	31,5	88	94	0,52
2	50	40	98	109	0,73
2 1/2	65	46	118	129	1,52
3	80	50	134	144	2,17
4	100	60	154	162	3,35
5	125	90	-	194	8,55
6	150	106	-	218	12,70
8	200	140	262	273	23,40

DN 1"1/4 - 4"



DN 5 - 8"

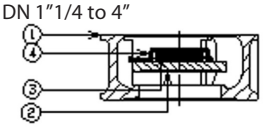


Technical data sheet **Type 802** - Non-return valve

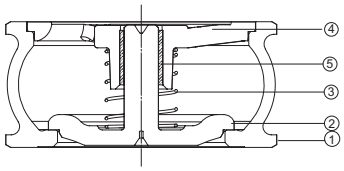
Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN 32 to 50	DZR brass	CuZn35Pb2Al-C	
	DN 65 to 100	Cast iron + epoxy ext.	EN-GJL-250	ASTM A 48 35 B
	DN125 to 200	Cast iron + epoxy ext.	EN-GJS-400-15	ASTM A 536 60-40-18
2	CLOSING SYSTEM DN 32 to 100	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	DN125 to 200	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
3	SPRING	Stainless steel	X10CrNi18-8	AISI 302
4	STOP-GUIDE DN 32 to 65	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	DN80 to 100	Stainless steel	X2CrNi18-9	AISI 304L
	DN125 to 200	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
5	RING DN125 to 200	Bronze	CuSn12-C	

DN 1"1/4 to 4"



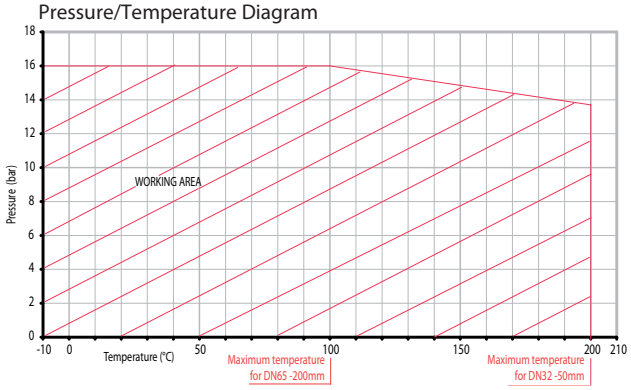
DN 5" to 8"



Working principle

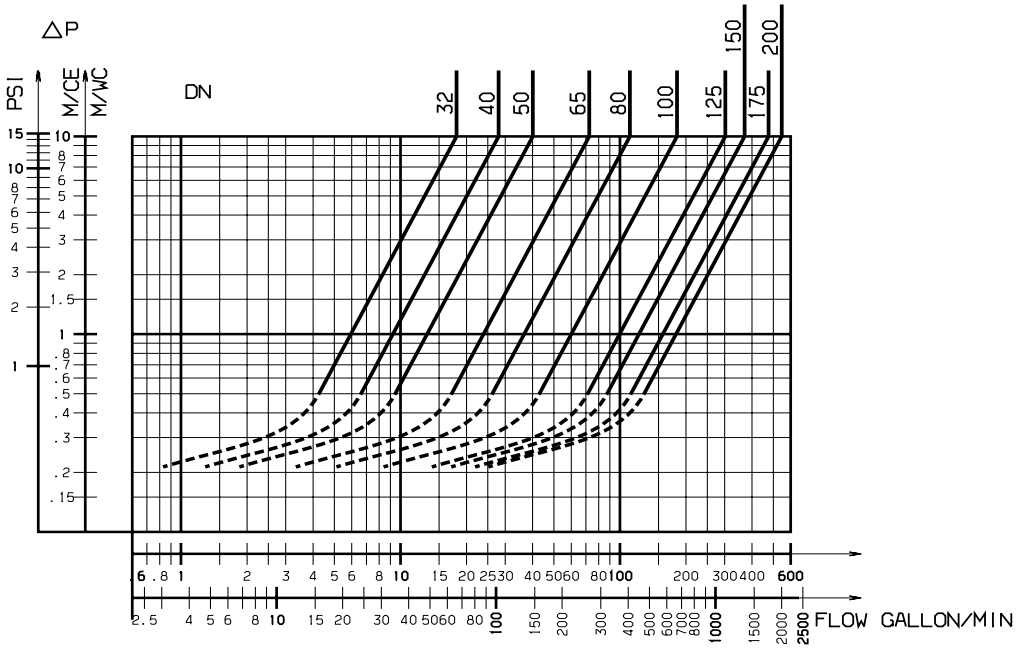
DN		Opening pressure mm/WC				Kv	ζ
"	mm	↑	↓	↔	Without spring	m³/H	
1¼	32	190	130	160	30	18,00	5,0
1½	40	200	120	160	40	28,00	5,1
2	50	210	110	155	50	40,10	6,1
2½	65	210	100	155	55	72,50	5,3
3	80	226	95	160	65	111,00	5,2
4	100	235	75	205	80	182,00	4,7
5	125	335	75	205	130	302,00	4,2
6	150	360	70	215	145	370,00	5,8
8	200	515	105	310	205	546,00	8,4

Pressure/Temperature Diagram



Direction for use :

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



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