

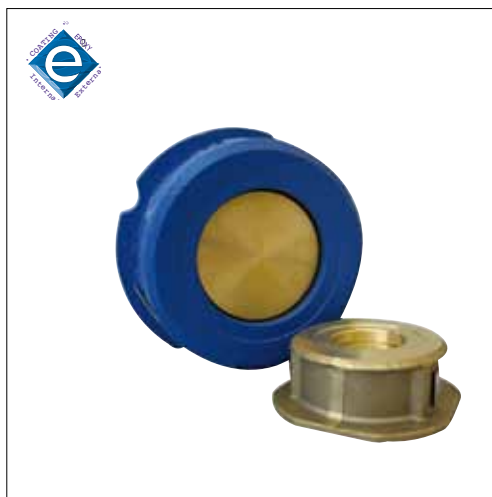
Technical data sheet

Type 802L

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 (DN 32 to 100).
- Tightness ensured by EPDM seal.
- Closing system with back axial guiding and return spring (ND 125 to 200).
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Technical description

Important notice:

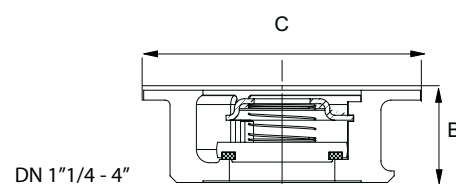
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

DN	"	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
					L1	L2	G1	G2			
1 ^{1/4}	32	6/16	16	16	16	16	16	16	I	149B 2413L	
1 ^{1/2}	40	6/16	16	16	16	16	16	16	I	149B 2414L	
2	50	6/16	16	16	16	16	16	16	I	149B 2415L	
2 ^{1/2}	65	6/16	16	16	16	15	16	16	I	149B 2416L	
3	80	6/16	16	16	16	12	16	16	I	149B 2417L	
4	100	6/16	16	16	16	10	16	16	I	149B 2418L	

- **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
- **θ** Mini. -10 °C
Maxi. 100 °C
- **Mediums** : Clear liquids
- **Leakage rate** : according to EN 12266-1 rate A
- **Approvals** : ACS PED 97/23/CE
- **International construction Standards** :
In accordance with CE directive 97/23/CE
Connection according to ASA B16.1 class 125RF
Connection according to EN 1092.2

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

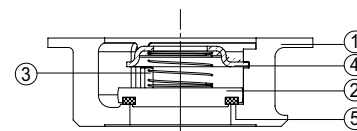


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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	BODY DN 32 to 50	DZR Brass	CuZn36Pb2As	
	DN 65 to 100	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
2	CLOSING SYSTEM	Brass	CuZn39Pb3	
3	SPRING	Stainless steel	X10CrNi18-8	AISI 302
4	STOP / GUIDE DN 32	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	DN 40 to 100	Stainless steel	X2CrNi18-9	AISI 304L
5	SEAL	EPDM		

DN 1"1/4 - 4"

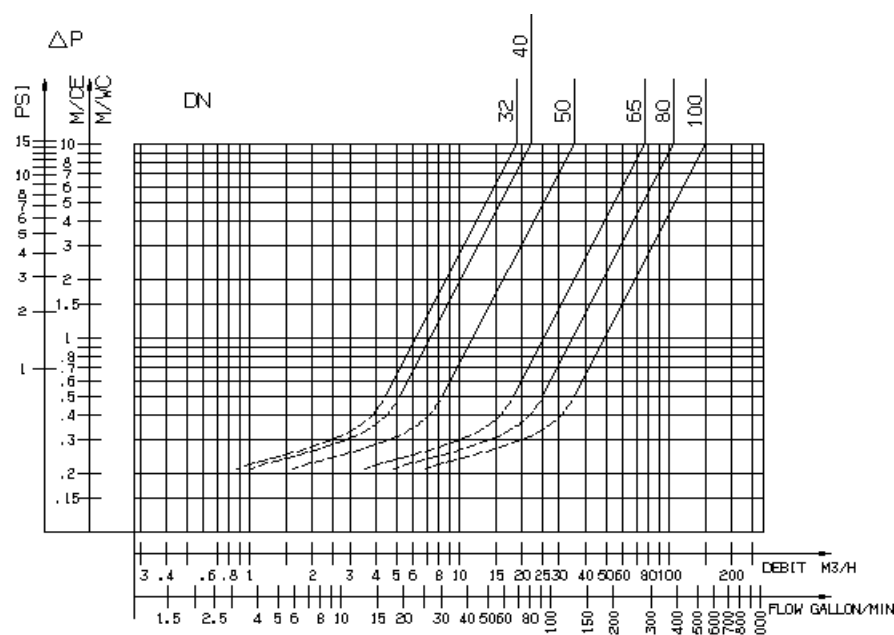


Working principle

DN		Opening pressure in mm/WC				Kv	ζ
"	mm	↑	↓	↔	Without spring	m ³ /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	155	50	40,10	6,1
2 ^{1/2}	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

Direction for use :

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



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