

Technical data sheet

Type 825 Non return-valve System 05

Applications and special features



- Operating position : horizontal and vertical
- Minimum occupation of space
- Very low head loss
- For pumping, water supply, general industry
- Closing system : double plate with return spring
- Sealing : metal on elastomere seat
- FKM seal

Technical description

DN "	mm	PN	PFA bar	PS - bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	25	25	25	25	20	25	I	149B 3170	
2 1/2	65	25	25	25	25	15	25	I	149B 3171	
3	80	25	25	25	25	12	25	I	149B 3172	
4	100	25	25	20	25	10	25	I	149B 3173	
5	125	25	25	16	25	0,5	25	I	149B 3174	
6	150	25	25	13	25	0,5	23	I	149B 3175	
8	200	25	25	10	25	0,5	17	I	149B 3176	
10	250	25	25	10	25	0,5	14	I	149F 020384	
12	300	25	25	10	25	0,5	11	I	149F 020386	
14	350	25	25	10	25	x	10	I	149B 2669	

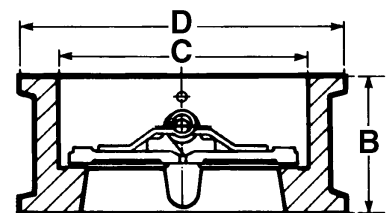
Important notice :

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** : Mounting 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. 130 °C
- **Mediums** : Clear liquids, gas, hydrocarbons
- **Approvals** : - PED 97/23/CE
- **International construction Standards** :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2
Overall dimensions according to EN558-1 serie 50

Overall dimensions

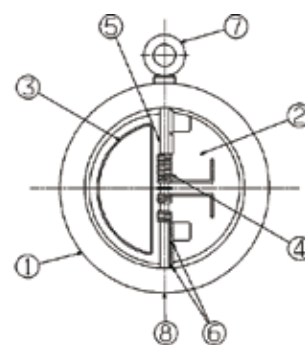
DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2	50	54	60	109	2,5
2 1/2	65	54	73	129	3,2
3	80	57	89	144	3,4
4	100	64	114	170	5,6
5	125	70	141	194	8,1
6	150	76	168	220	10,4
8	200	95	219	286	18,5
10	250	108	273	340	29,5
12	300	143	324	403	44,1
14	350	184	356	460	78



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Stainless steel	X5CrNiMo17-12-2	AISI 316
2	PLATES	Stainless steel	X5CrNiMo17-12-2	AISI 316
3	SEAL	FKM		
4	SPRING	Stainless steel	X5CrNiMo17-12-2	AISI 316
5	STEM	Stainless steel	X5CrNiMo17-12-2	AISI 316
6	BEARINGS	PTFE		
7	EYE BOLT DN >150	Steel XC15		
8	PLUGS	Stainless steel	X5CrNiMo17-12-2	AISI 316

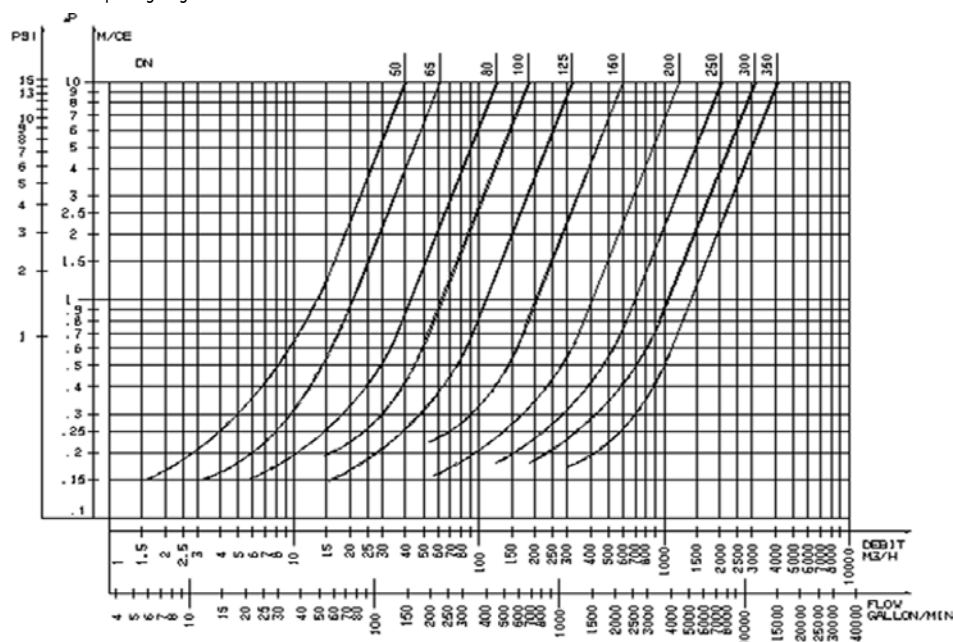


Working principle

DN		Opening pressure in mm/WC ↕	Kv m ³ /H	ζ
"	mm			
2	50	Near 0	35,00	6,30
2 ^{1/2}	65		64,60	4,10
3	80		130,00	3,40
4	100		187,00	2,50
5	125		291,00	1,45
6	150		552,00	1,00
8	200		1065,00	1,10
10	250		2055,00	1,10
12	300		3253,00	1,10
14	350		4254,00	1,30

Directions for use :

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



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