

Technical data sheet

Type 895V

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
- FKM seal
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Technical description

DN "	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	16	16	16	16	16	I	149B 3000V	
2 1/2	65	10/16	16	16	16	15	16	I	149B 3001V	
3	80	10/16	16	16	16	12	16	I	149B 3002V	
4	100	10/16	16	16	16	10	16	I	149B 3003V	
5	125	10/16	16	16	16	0,5	16	I	149B 3004V	
6	150	10/16	16	13	16	0,5	16	I	149B 3005V	
8	200	10/16	16	10	16	0,5	16	I	149B 3006V	
10	250	10/16	16	10	16	0,5	14	I	149B 3007V	
12	300	10/16	16	10	16	0,5	11	I	149B 3008V	
16	400	10/16	16	10	16	-	8	I	149B 3010V	

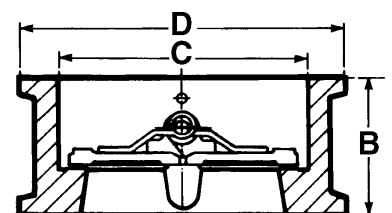
Important notice:

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. 100 °C
- Mediums : Clear water, gas, hydrocarbons
- Approvals :  
- International construction Standards :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2
Overall dimensions according to EN558-1 serie 5

Overall dimensions

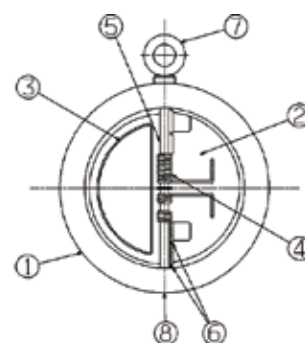
DN	B	C	D	Weight
"	mm	mm	mm	kg
2	50	54	60	1,2
2 1/2	65	54	73	1,8
3	80	57	89	2,9
4	100	64	114	3,9
5	125	70	141	5,8
6	150	76	168	8
8	200	95	219	14
10	250	108	273	22
12	300	143	324	34
16	400	191	410	83



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN50 to 150	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
	DN200 to 400	Ductile iron + epoxy	EN-GJS-400.15	ASTM A 536 60-40-18
2	PLATES	Stainless steel	X5CrNi18-10	AISI 304
3	SEAL	FKM		
4	SPRING	Stainless steel	X5CrNiMo17-12-2	AISI 316
5	STEM	Stainless steel	X5CrNiMo17-12-2	AISI 316
6	BEARING	PTFE		
7	EYE BOLT DN>150	Steel XC15		
8	PLUGS	Brass		

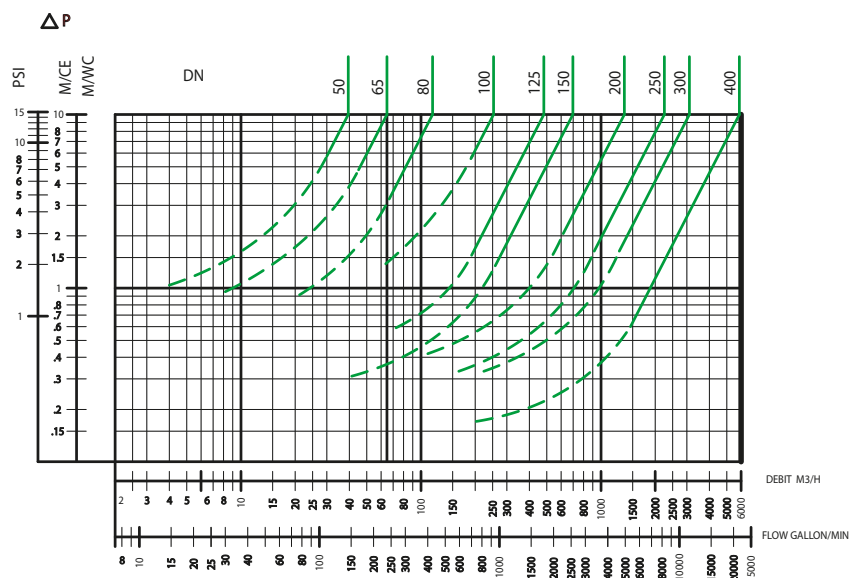


Working principle

DN		Opening pressure in mm/WC ↕	Kv m ³ /H	ζ
"	mm			
2	50	Near 0	35,7	7,81
2 1/2	65		64,7	6,81
3	80		116,1	4,86
4	100		253,3	2,49
5	125		481,8	1,68
6	150		698,4	1,66
8	200		1345,5	1,41
10	250		2249,5	1,23
12	300		3098	1,35
16	400		5867	1,2

Directions for use :

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



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