

Technical data sheet

Type 815 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
- 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	25	25	25	25	20	25	I	149B 3290	
2 1/2	65	25	25	25	25	15	25	I	149B 3291	
3	80	25	25	25	25	12	25	I	149B 3292	
4	100	25	25	20	25	10	25	I	149B 3293	
5	125	25	25	16	25	0,5	25	I	149B 3294	
6	150	25	25	13	25	0,5	23	I	149B 3295	
8	200	25	25	10	25	0,5	17	I	149B 3296	
10	250	25	25	10	25	0,5	14	I	149B 3297	
12	300	25	25	10	25	0,5	11	I	149B 3298	
14	350	25	25	10	25	x	10	I	149B 2650	
16	400	25	25	10	25	x	8	I	149B 3340	
18	450	25	25	10	25	x	7	I	149B 2652	
20	500	25	25	10	25	x	7	I	149B 2653	
24	600	25	25	10	25	x	5	I	149B 2654	

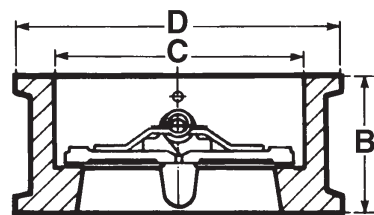
Important notice :

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 (EPDM seal)
80°C (NBR seal)
- **Mediums** : Clear water, gas
- **Approvals** : PED 2014/68/UE
ACS : DN 50 - 300 & DN 400
- **International construction Standards** :
CE Conformity Directive 2014/68/UE
Flange drilling according to EN1092-2
Overall dimensions according to EN558-1 serie 50

Overall dimensions

"	DN	B mm	C mm	D mm	Weight kg
	mm				
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
16	400	191	410	517	101
18	450	203	457	567	146,9
20	500	213	508	627	189,7
24	600	222	610	734	290

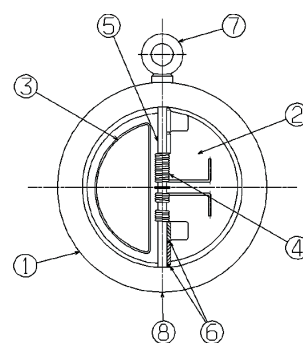


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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING*	Ductile iron /epoxy	EN-GJS-400.15	ASTM A 536 65-45-12
2	PLATES DN 50 - 300 & 400 DN 350 & 450 - 600	Stainless steel Aluminium bronze	GX5CrNi19-10 CuAl10Fe5Ni5	AISI 304 C95400
3	SEAL DN 50 - 300 & 400 DN 350 & 450 - 600	EPDM NBR		
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	Brass		

* DN 350 & 450 up to 600 :
external epoxy coating only

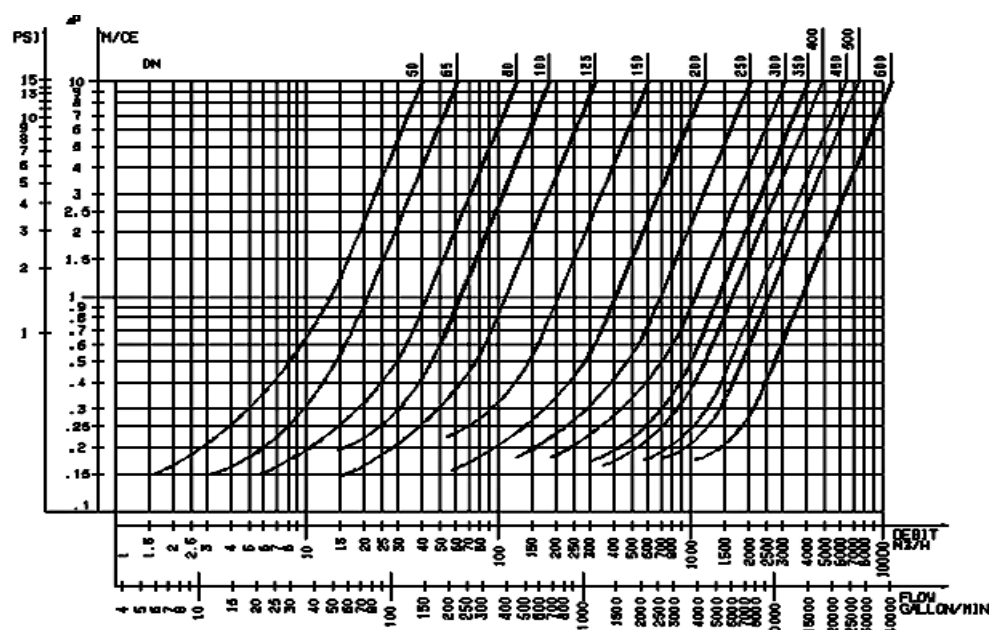


Working principle

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
16	400		5000,00	1,60
18	450		6547,00	1,50
20	500		7800,00	1,60
24	600		11269,00	1,60

Directions for use :

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



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