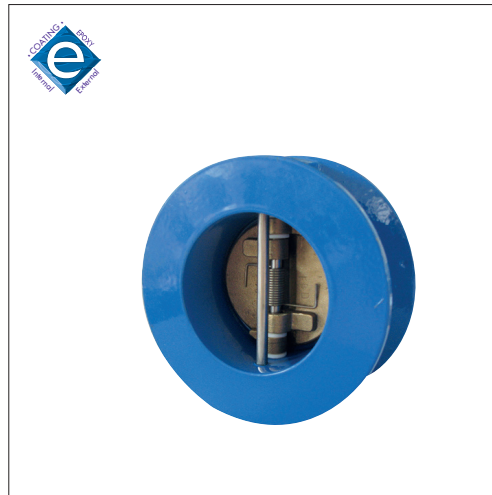


# Technical data sheet

## Type 805 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 bar	PS - bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	16	16	16	16	16	I	149B 3270	
2 1/2	65	10/16	16	16	16	15	16	I	149B 3271	
3	80	10/16	16	16	16	12	16	I	149B 3272	
4	100	10/16	16	16	16	10	16	I	149B 3273	
5	125	10/16	16	16	16	0,5	16	I	149B 3274	
6	150	10/16	16	13	16	0,5	16	I	149B 3275	
8	200	10/16	16	10	16	0,5	16	I	149B 3276	
10	250	10/16	16	10	16	0,5	14	I	149B 3277	
12	300	10/16	16	10	16	0,5	11	I	149B 3278	
14	350	10/16	16	10	16	x	10	I	149B 2590	
16	400	10/16	16	10	16	x	8	I	149B 3330	
18	450	10/16	16	10	16	x	7	I	149B 2592	
20	500	10/16	16	10	16	x	7	I	149B 2593	
24	600	10/16	16	10	16	x	5	I	149B 2594	

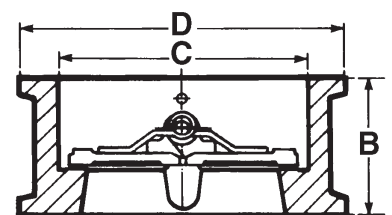
#### Important notice :

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 97/23/CE ACS up to DN300 & DN 400
- **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

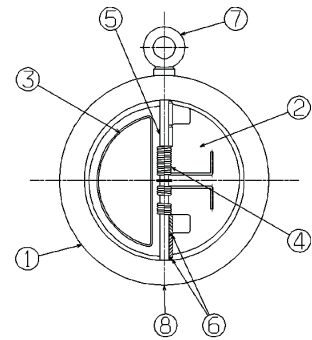
DN "	DN		B mm	C mm	D mm	Weight kg
	mm	mm				
2	50	54	60	109	1,2	
2 1/2	65	54	73	129	1,8	
3	80	57	89	144	2,9	
4	100	64	114	164	3,9	
5	125	70	141	194	5,8	
6	150	76	168	220	8	
8	200	95	219	275	14	
10	250	108	273	330	22	
12	300	143	324	380	34	
14	350	184	356	440	70	
16	400	191	410	491	85	
18	450	203	457	541	118	
20	500	213	508	596	180	
24	600	222	610	698	250	



# Technical data sheet Type 805 - Non-return valve

## Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING DN50 - 150	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
	DN 200 - 300 & 400	Ductile iron + epoxy	EN-GJS-400.15	ASTM A 536 65-45-12
	*DN 350 & 450 - 600	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
2	PLATES	Aluminium bronze	CuAl10Fe5Ni5	C95400
3	SEAL DN 50 - 300 & 400	EPDM		
	DN 350 & 450 - 600	NBR (nitrile)		
4	SPRING	Stainless steel	X5CrNiMo17-12-2	AISI 316
5	STEM DN 50 - 300 & 400	Stainless steel	X3CrNiMo17-13-3	AISI 316
	DN 350 & 450 - 600	Stainless steel	X5CrNi18-10	AISI 304
6	BEARINGS	PTFE		
7	EYE BOLT DN >150	Steel XC15		
8	PLUGS	Brass		



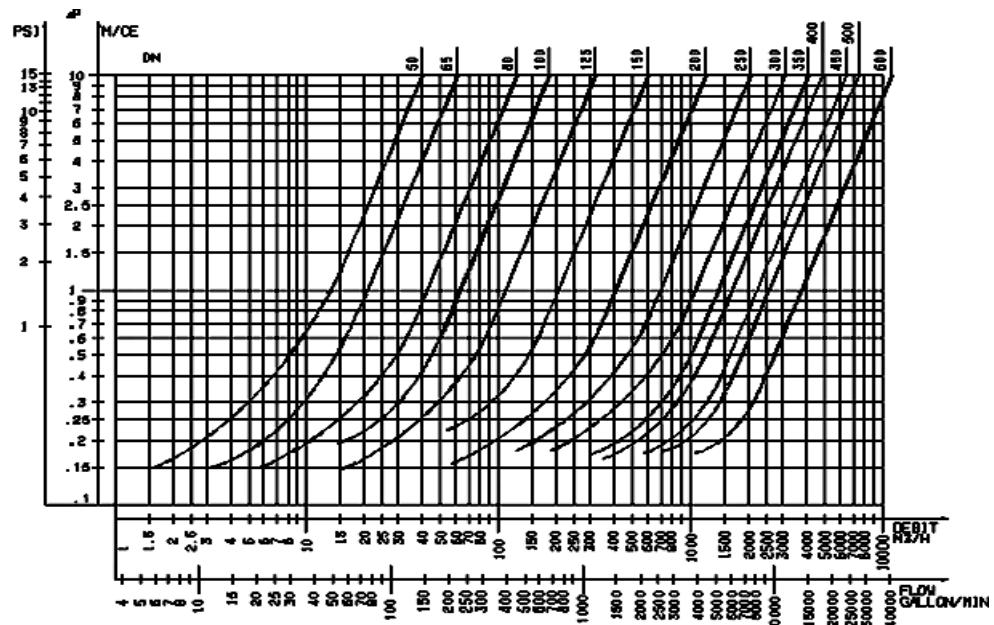
\* External epoxy coating only

## Working principle

DN "	mm	Opening pressure in mm/WC ↕	Kv m <sup>3</sup> /H	ζ
2	50	Near 0	39,40	6,30
2 <sup>1/2</sup>	65		83,00	4,10
3	80		138,00	3,40
4	100		250,00	2,50
5	125		505,00	1,45
6	150		891,00	1,00
8	200		1510,0	1,10
10	250		2746,00	1,10
12	300		3936,00	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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