

## 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:

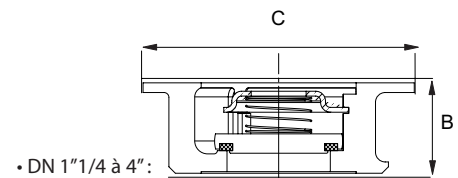
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.danfoss-socla.com](http://www.danfoss-socla.com) or by requesting from our sales department.

DN "	mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
1 <sup>1/4</sup>	32	6/16	16	16	16	16	16	I	149B 2413L	
1 <sup>1/2</sup>	40	6/16	16	16	16	16	16	I	149B 2414L	
2	50	6/16	16	16	16	16	16	I	149B 2415L	
2 <sup>1/2</sup>	65	6/16	16	16	16	15	16	I	149B 2416L	
3	80	6/16	16	16	16	12	16	I	149B 2417L	
4	100	6/16	16	16	16	10	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
- **T°** : Mini. -10 °C  
Maxi. 100 °C
- **Mediums** : clear liquids
- **Approvals** : ACS PED 97/23/CE  
ATEX 94/92/CE Conformity (Europe)
- **International construction Standards** :
  - CE Conformity Directive 97/23/CE
  - Connection according to ASA B16.1 class 125RF
  - Connection according to EN 1092.2
  - Overall dimensions according to EN558-1 series 49

### Overall dimensions

DN "	mm	B mm	C - PN6 mm	C - PN10/16 mm	Weight kg
1 <sup>1/2</sup>	40	31,5	88	94	0,52
2	50	40	98	109	0,73
2 <sup>1/2</sup>	65	46	118	129	1,52
3	80	50	134	144	2,17
4	100	60	154	162	3,35

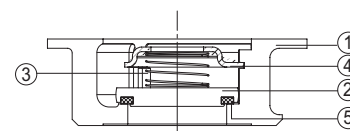


## Technical data sheet Type 802L - Non-return valve

### 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 DN 32 to 100	Stainless steel	X2CrNiMo17-12-2	AISI 316L
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 à 4" :

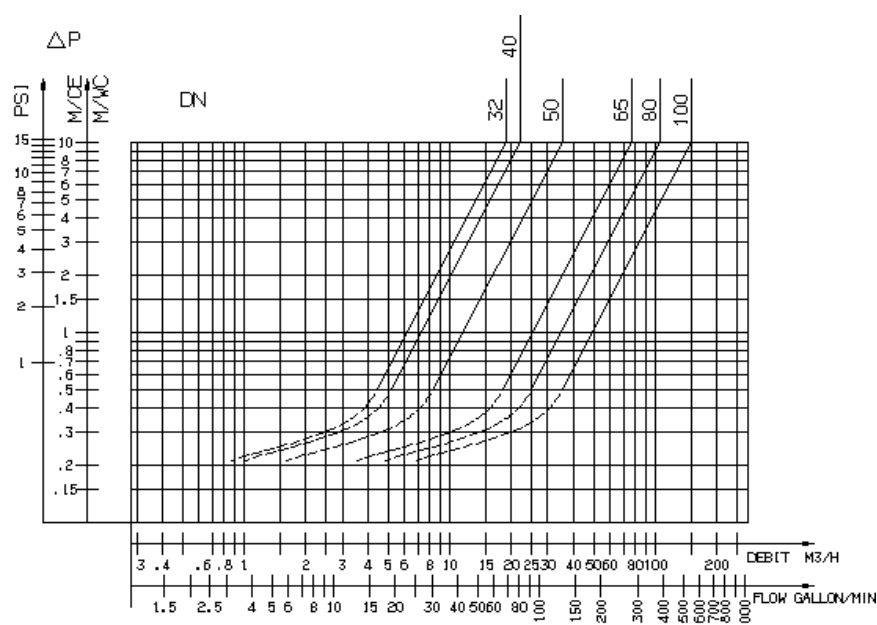


### Working principle

#	DN mm	Opening pressure in mm/WC				Kv m <sup>3</sup> /H	ζ
		▲	▼	↔	Without spring		
1 <sup>1/4</sup>	32	190	130	160	30	18,00	5,0
1 <sup>1/2</sup>	40	200	120	160	40	28,00	5,1
2	50	210	110	155	50	40,10	6,1
2 <sup>1/2</sup>	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



Danfoss can accept no responsibility for possible errors in catalogue, brochures and other printed material. Danfoss reserve the right to alter its products without notice. This also applies to products already agreed. All trademarks in this material are the property of the respective companies. Danfoss and the logo type are trademarks of Danfoss A/S. All right reserved.



### Danfoss Socla

365 rue du lieutenant Putier  
71530 VIREY LE GRAND  
Postal address : BP273  
71107 CHALON SUR SAONE Cedex

Tel : 33 3 85 97 42 52  
Fax : 33 3 85 97 97 42  
<http://www.danfoss-socla.com>  
e-mail: [commer@danfoss.com](mailto:commer@danfoss.com)