

## Technical data sheet

# Type 318

## Non return valve

### System B

#### Applications and special features



- Vertical position
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Closing system : ball lifted up by the liquid and guided to a lateral housing completely out of the way
- Sealing guaranteed by the coating of the ball.

#### 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.

DN "	mm	PN	PFA bar	PS - bar				Cat.	References	Vvs-nr
				L1	L2	G1	G2			
2	50	10/16	10	10	10	x	x	3.3	149B 2326	
2 <sup>1/2</sup>	65	10/16	10	10	10	x	x	3.3	149B 2376	
3	80	10/16	10	10	10	x	x	3.3	149B 2377	
4	100	10/16	10	10	10	x	x	3.3	149B 2378	
5	125	10/16	10	10	10	x	x	3.3	149B 2350	
6	150	10	10	10	10	x	x	3.3	149B 3025	
8	200	10	10	10	10	x	x	3.3	149B 3026	
10	250*	10	10	10	10	x	x	I	149B 3027	
12	300*	10	10	10	10	x	x	I	149F 018860	
14	350*	10	10	10	10	x	x	I	149B 3029	

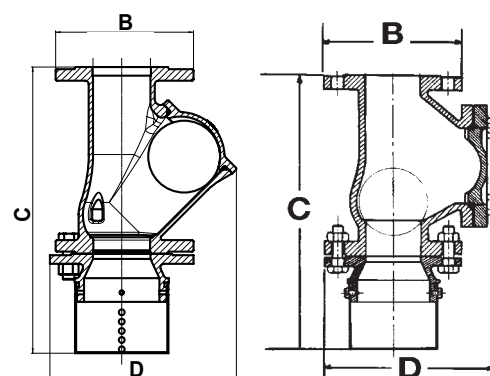
\* Type 308

- **Connection** : flanges drilled 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 u
- **θ** : Mini. -10 °C  
Maxi. 80 °C
- **Mediums** : Thick liquids, viscous liquids, loaded liquids
- **Approvals** : PED 97/23/CE
- **Normes construction internationales** :  
CE Conformity Directive 97/23/CE  
Flange drilling according to EN1092-2

#### Overall dimensions

DN		B	C	D	Weight
"	mm	mm	mm	mm	kg
2	50	165	300	186	8
2 <sup>1/2</sup>	65	185	361	211	12,5
3	80	200	401	247	17
4	100	220	468	284	22,5
5	125	250	566	335	35
6	150	285	650	380	48
8	200	340	826	482,5	85
10	250*	400	966	593,5	156
12	300*	455	1112	725,5	260
14	350*	505	1317	820	420

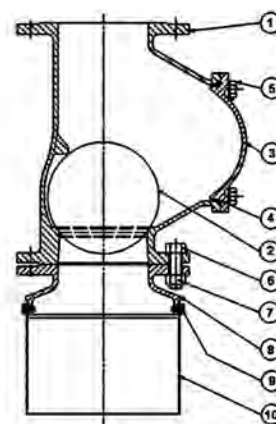
\* Type 308



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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 60-40-18
2	BALL DN 50 up to 100	Aluminium/NBR		
	DN 125 up to 350	Cast iron/NBR		
3	CAP	Ductile iron + epoxy	EN-GJS-400.15	ASTM A 536 60-40-18
4	SEAL	NBR		
5	SCREW-WASHER except NUT (Typ 408)	Stainless steel Galvanised steel	X5Cr-Ni18-10	AISI 304
6	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304
7	NUT	Stainless steel	X5Cr-NiMo17-12-2	AISI 316
8	FLANGE	Cast iron + epoxy		
9	SCREW	Stainless steel	X5Cr-Ni18-10	AISI 304
10	STRAINER	Galvanised steel		



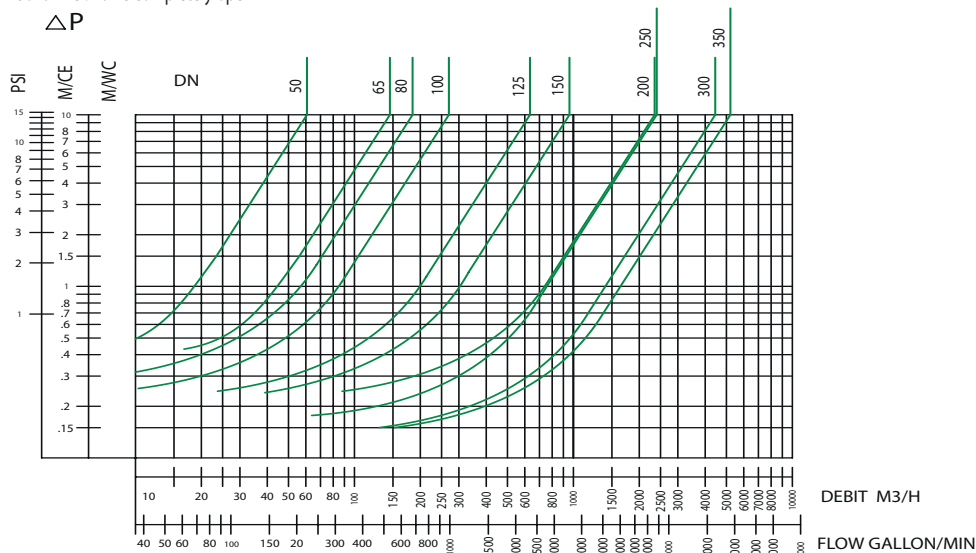
### Working principle

DN		Opening pressure in mm/CE		Kv	ζ
"	mm	↑	↔		
2	50	25	near 0	61,80	2,65
2 1/2	65	30		145,8	1,36
3	80	160		185	1,93
4	100	160		271	2,2
5	125	170		633	0,98
6	150	200		963	0,88
8	200	250		2351	0,47
10	250*	180		2970,00	0,70
12	300*	200		3700,00	0,90
14	350*	220		4365,00	1,23

\* Type 308

### Directions for use :

- Solid line : Valve completely open



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