

## Technical data sheet

# Type 50F

Non return valve

System B

### Applications and special features



- Vertical and horizontal position (position of the ball housing below the axis of the pipe).
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Closing system : floating ball epoxy resin coated.
- Sealing ensured by elastomer seal fixed on the seat

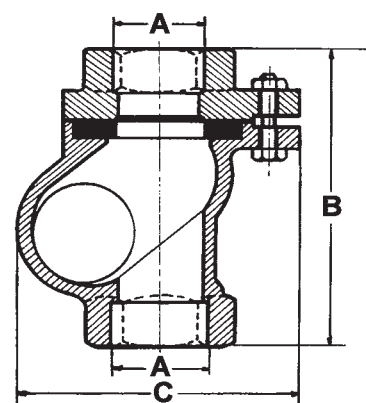
### Technical description

DN		PFA in bar	References	Vvs-nr
"	mm			
1	25	10	149B 2122	
1 <sup>1/4</sup>	32	10	149B 2123	
1 <sup>1/2</sup>	40	10	149B 2124	
2	50	10	149B 2125	
2 <sup>1/2</sup>	65	10	149B 2127	
3	80	10	149B 14077	

- **Connection** : Female/female, (BSP)
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **T°** :  
Mini. -10 °C  
Maxi. 80 °C
- **Mediums** : Waste water
- **Approvals** : VERITAS (France)
- **International construction Standards** :  
CE Conformity Directive 97/23/CE  
CE Conformity Directive 89/106/CEE EN12050-4 Standard  
Thread connection according to NF E 03-005 ISO228

### Overall dimensions

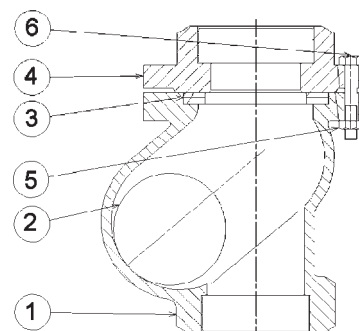
	A	B	C	Weight
"	mm	mm	mm	kg
1	26/34	121	104	1,4
1 <sup>1/4</sup>	33/42	134	119	1,9
1 <sup>1/2</sup>	40/49	145	137	2,5
2	50/60	174	157	3,4
2 <sup>1/2</sup>	66/76	195	179	4,9
3	80/90	246	214	13,2



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
2	BALL	Thermodur		
3	SEAL DN 1 <sup>1/2</sup>	CR		
	Other DN	NR		
4	FLANGE	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
5	NUT	Stainless steel	X10CrNi18-10	AISI 304
6	SCREW	Stainless steel	X10CrNi18-10	AISI 304

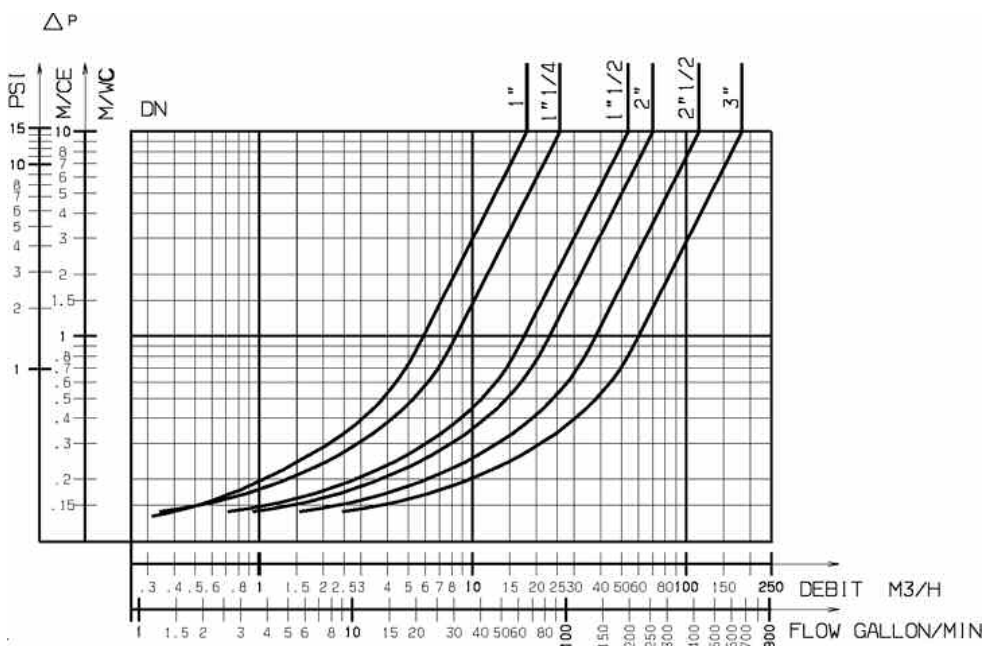


### Working principle

DN		Kv	ζ
"	mm	m <sup>3</sup> /H	
1	25	18,00	1,90
1 <sup>1/4</sup>	32	25,60	2,50
1 <sup>1/2</sup>	40	53,50	1,40
2	50	70,00	2,00
2 <sup>1/2</sup>	65	115,40	2,10
3	80	183,80	1,90

#### Directions for use :

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



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