

# Technical data sheet

## Type 144

Foot valve  
System TJ

### Applications and special features



- System adapted to large sizes
- Simple, robust
- Operation in vertical position
- Minimum head loss
- Cast iron closing system with profiled entry face and tripod axial guiding
- Water-tightness ensured by flat seal shouldered by the valve head on the valve seat with anti-sand system

### Technical description

DN mm	PN	PFA in bar	PS in bar				Cat.	References	Vvs-nr
			L1	L2	G1	G2			
200	10	10	10	10	x	x	3.3	149B 3414	
250	10	6	6	6	x	x	3.3	149B 3415	
300	10	6	6	6	x	x	3.3	149B 3416	
350	10	6	6	6	x	x	I	149B 3417	
400	10	6	6	6	x	x	I	149B 3418	
450	10	4	4	4	x	x	3.3	149B 3419	
500	10	4	4	4	x	x	3.3	149B 3420	
600	10	4	4	4	x	x	I	149B 3422	

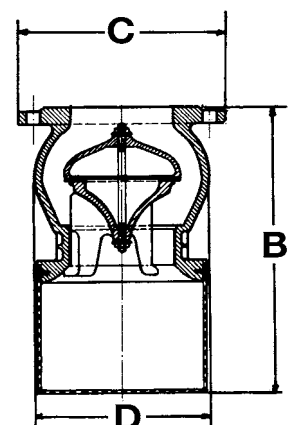
#### Important notice :

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** : 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
- $\theta$  Mini. -10 °C  
Maxi. 60 °C
- **Mediums** : Clear liquids
- **Approvals** : ACS PED 97/23/CE
- **International construction Standards** : CE Conformity Directive 97/23/CE  
Flange drilling according to EN1092-2

### Overall dimensions

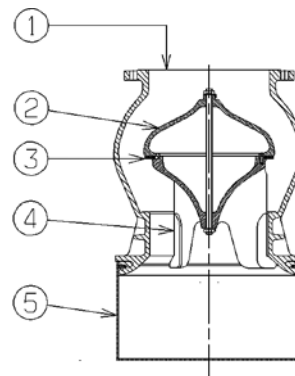
DN	B	C	D	Weight
mm	mm	mm	mm	kg
200	525	340	320	50
250	635	395	402	86
300	735	445	480	125
350	852	540	560	195
400	978	597	635	293
450	1095	635	715	415
500	1170	699	790	545
600	1265	780	965	790



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### Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
1	CASING	Cast iron/epoxy ext.	EN-GJL-250	ASTM A 48 35 B
2	CLOSING SYSTEM	Cast iron	EN-GJL-250	ASTM A 48 35 B
3	SEAL	EPDM		
4	GUIDE	Cast iron	EN-GJL-250	ASTM A 48 35 B
5	STRAINER	Galvanised steel		

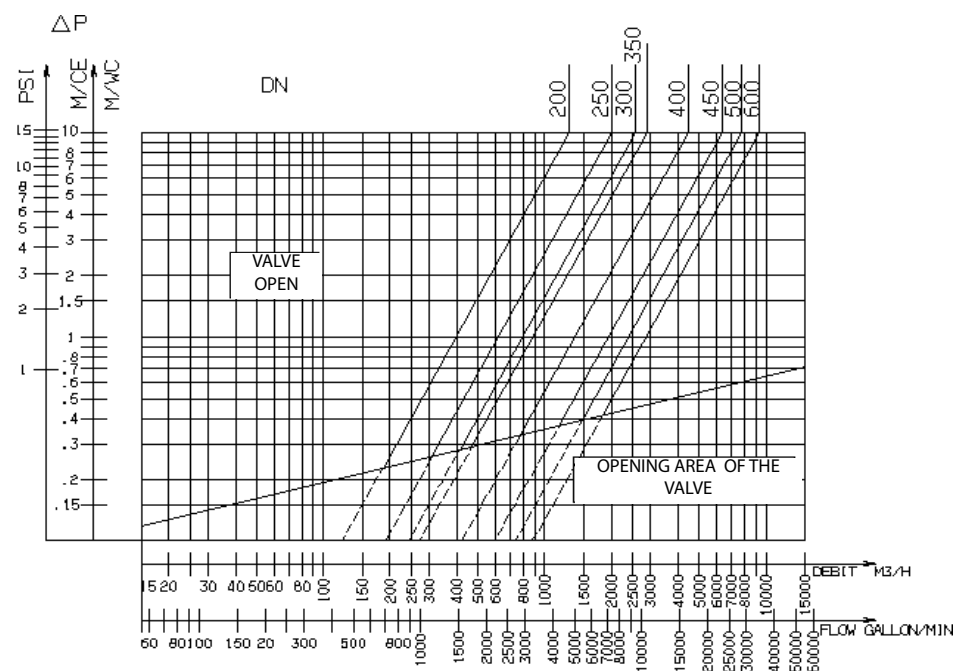


### Working principle

DN	Kv	$\zeta$
mm	m <sup>3</sup> /H	
200	1293,00	1,5
250	2020,00	1,5
300	2585,00	1,9
350	2898,00	2,8
400	4480,00	2,0
450	6340,00	1,6
500	7826,00	1,6
600	9399,00	2,3

#### Directions for use :

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



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