

# 144

Non-return foot valve  
02 System

## Technical Data Sheet



Valve with very wide range of applications. It prevents water hammering, it's noiseless and the quality-price ratio is optimal.

- 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 supported by the valve head on the valve seat with anti-sand system



## 144

Non-return foot valve - 02 System

DN mm	PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
			L1	L2	G1	G2			
200	10	10	10	10	x	x	4.3	<b>149B3414</b>	50
250	10	6	6	6	x	x	4.3	<b>149B3415</b>	86
300	10	6	6	6	x	x	4.3	<b>149B3416</b>	125
350	10	6	6	6	x	x	I	<b>149B3417</b>	195
400	10	6	6	6	x	x	I	<b>149B3418</b>	293
450	10	4	4	4	x	x	4.3	<b>149B3419</b>	415
500	10	4	4	4	x	x	4.3	<b>149B3420</b>	545
600	10	4	4	4	x	x	I	<b>149B3422</b>	790

**Important notice :**

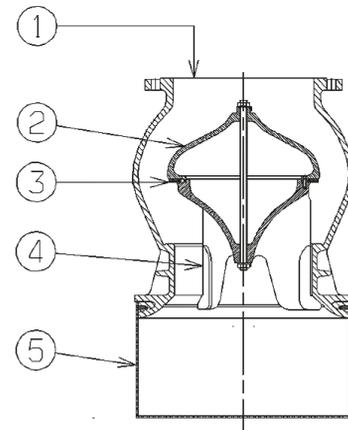
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.socla.com](http://www.socla.com)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

**Technical features**

Operating temperature	-10 °C to 60 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Flanges drilled PN (see table)
Mediums	Clear liquids

**Nomenclature and materials**

N°	Description	Materials	EURO	ANSI
1	Body	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		



## Approvals



**International construction Standards :**  
Directive 2014/68/UE  
Flange drilling according to EN1092-2

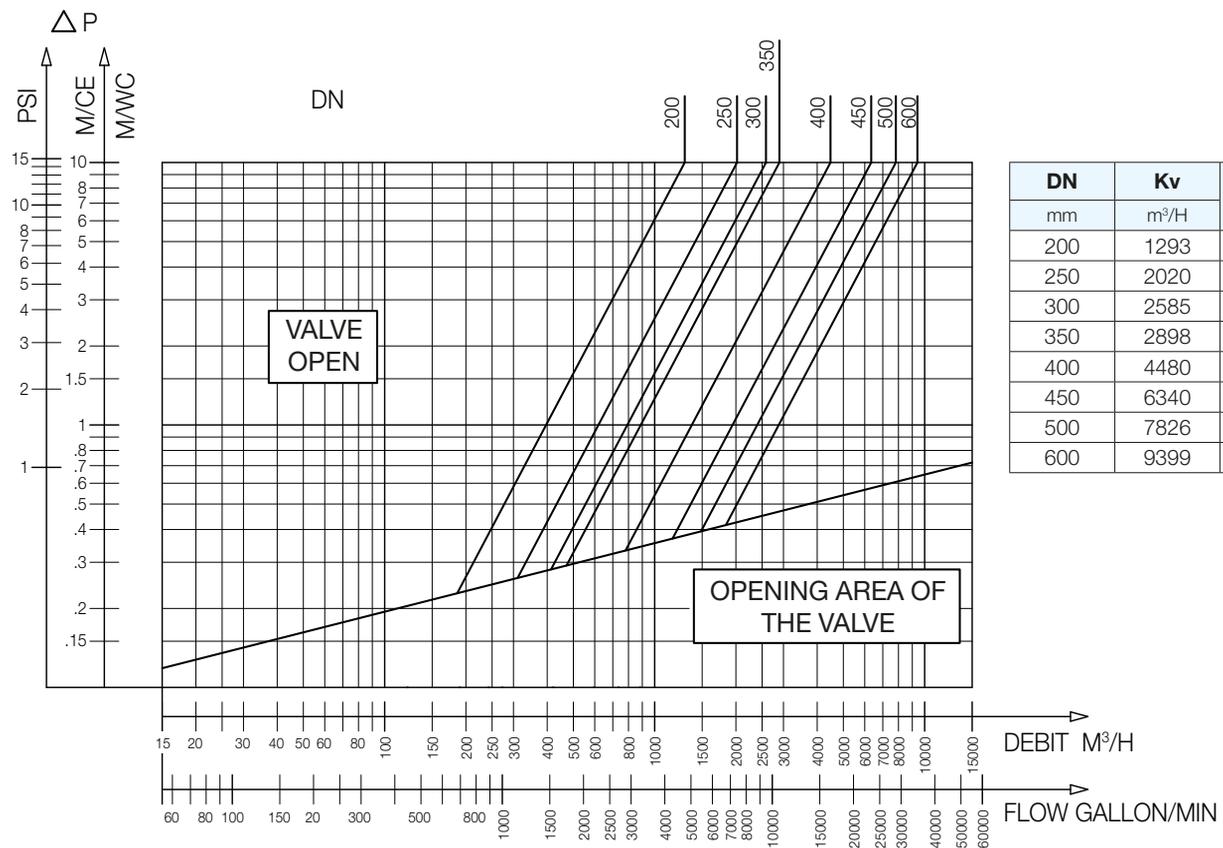
## Application

Pumping, water distribution.

## Operation

**Direction for use :**

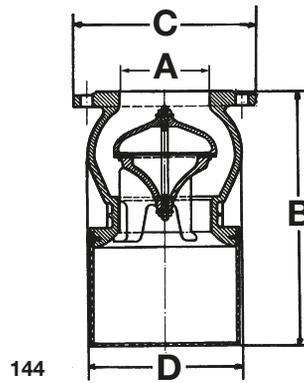
- Solid line : Valve completely open
- Dotted line : opening stage of valve



144 - Headloss chart

## Sizing

A	B	C	D
mm	mm	mm	mm
200	525	340	320
250	635	395	402
300	735	445	480
350	852	540	560
400	978	597	635
450	1095	635	715
500	1170	699	790
600	1265	780	965



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