

# 233

Non-return axial guided valve  
03 HP System

## Technical Data Sheet



## Description

- Special design of the seat with a flexible tightness at low pressure added to a strong seat for tightness at high pressure
- Accurate guiding of the interior system's head to guarantee a good centring on the seat
- Operates in any position
- Hydraulic profile of the closing system to obtain a minimum head loss and to optimize the hydraulic performance
- Return spring
- The variety of the materials covers a large field of industrial applications : from the most common installations to the most specialised industrial processes



## 233

Non-return axial guided valve - System 03 HP

DN	mm	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg
			L1	L2	G1	G2			
1/4	8	400	400	400	400	400	4.3	<b>149B3240</b>	0,17
3/8	10	350	350	350	350	350	4.3	<b>149B3241</b>	0,28
1/2	15	300	300	300	300	300	4.3	<b>149B3242</b>	0,41
3/4	20	250	250	250	250	250	4.3	<b>149B3243</b>	0,78
1	25	200	200	200	200	200	4.3	<b>149B3244</b>	1,26
1 1/4	32	150	62	150	0,5	150	4.3	<b>149B3245</b>	2,12
1 1/2	40	100	50	100	0,5	25	4.3	<b>149B3246</b>	3,07
2	50	100	40	100	0,5	20	4.3	<b>149B3247</b>	5,54

### Important notice :

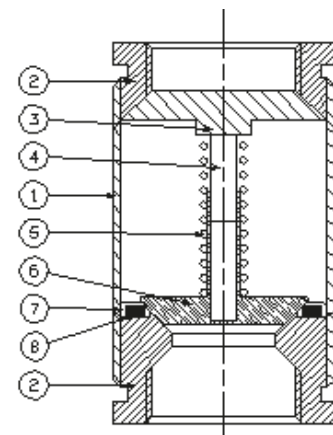
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.socla.com](http://www.socla.com)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

### Technical features

Operating temperature	-20 °C to 100 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Female/ Female gas : see table
Mediums	Clear water - Hydrocarbons - Vegetal oils - Mineral oils - Animal oils - Inorganic acids

### Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Casing	Carbon steel		
2	Seal	NBR (nitrile)		
3	Connection	Galvanised steel		
4	Stem	Stainless steel	X10CrNiS18.9	AISI 303
5	Spring	Stainless steel	X10CrNiS18.9	AISI 303
6	Closing system	Stainless steel	X10CrNiS18.9	AISI 303
7	Clips	Brass		
8	Seal	NBR (nitrile)		



## Approvals

**International construction Standards :**  
Flange drilling according to NFE 03-005 ISO 228

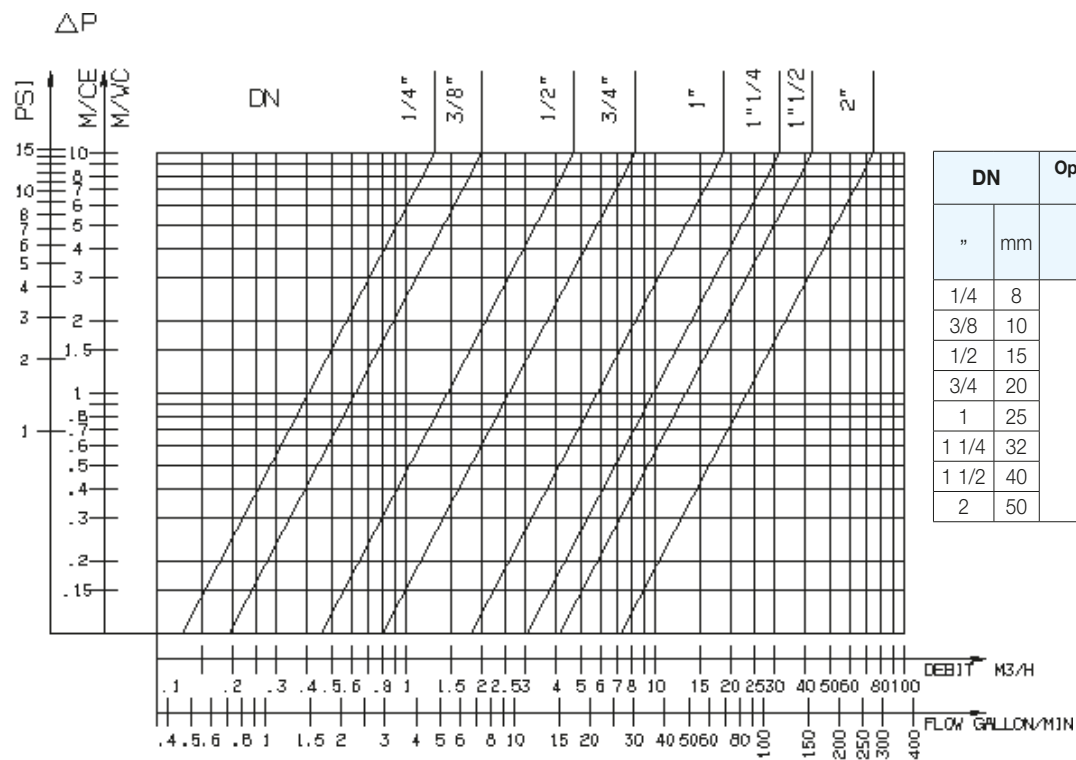
## Application

High-pressure fluids, water, gas (including hydrocarbons), general industrial applications, etc.

## Operation

**Direction for use :**

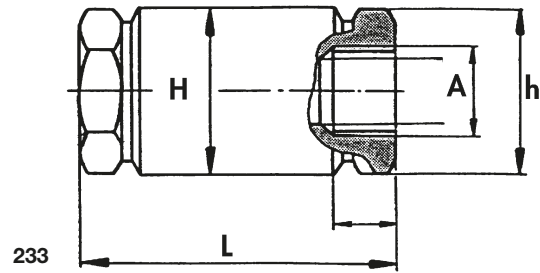
- Solid line : Valve completely open
- Dotted line : opening stage of valve



233 - Headloss chart

## Sizing

A		L	H	h
"	mm	mm	mm	mm
1/4	8	73	24	22
3/8	10	76	30	27
1/2	15	77	38	32
3/4	20	92	48	41
1	25	109	57	50
1 1/4	32	123	70	65
1 1/2	40	141	80	70
2	50	164	100	90



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