

## Technical data sheet

# Type 271

## EA anti-pollution non-return valve

01 System

### Applications and special features



- Operates in any position
- Minimum head loss
- Silent and robust
- Does not generate hammering
- Closing system : double axial guiding with return spring
- Excellent sealing at high as well as at low pressure ensured by a specially designed lip ring-seal.
- Drilled bosses 1/4» with plug.

### Technical description

DN	PFA (bar)	PS (bar)				Cat.	References	Vvs-nr
		L1	L2	G1	G2			
1/2	10	10	10	10	10	3.3	149B 2300	
3/4	10	10	10	10	10	3.3	149B 2201K	
1	10	10	10	10	10	3.3	149B 2202K	
1 1/4	10	10	10	X	10	3.3	149B 2203K	
1 1/2	10	10	10	X	10	3.3	149B 2204K	
2	10	10	10	X	10	3.3	149B 2205K	

- **Connection** : male/male, BSP thread
- **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. 80 °C

• **Medium** : clear liquids, gas

• **Approvals** : ACS

• **Other approval available** : **kiwa** : Please consult us

• **International construction Standards** :

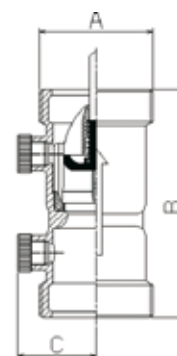
NF Antipollution according to NF EN 13959 - EN1717  
Thread connection according to NF EN ISO 228-1 or ISO 7.1

#### 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. Danfoss Socla is not responsible for non-adaptation of the product to working conditions not previously specified by the customer.

### Overall dimensions

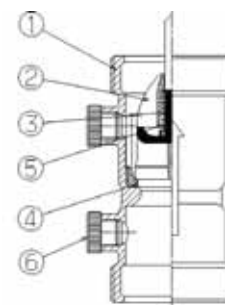
DN	Connection A		B	C	Weight
	"	mm			
1/2	3/4	20/27	65	20	0,225
3/4	1	26/34	75	30	0,195
1	1 1/4	33/42	90	34	0,335
1 1/4	1 1/2	40/49	110	38	0,515
1 1/2	2	50/60	120	41	0,725
2	2 1/2	66/76	150	49	1,330



## Technical data sheet Type 271 - EA anti-pollution non-return valve

### Spare parts list and materials

Nr	Description	Materials	EURO	ANSI
1	CASING	Brass	CuZn39Pb1AL-C	
2	GUIDE	PPO (Polyphenylene oxyde)		
3	CLOSING SYSTEM	POM (polyacetal)		
4	SPRING	Stainless steel	X10CrNi18-8	AISI 302
5	SEAL DN 3/4"	NBR (Nitrile)		
6	PLUG SEAL	POM (polyacetal) except DN 3/4" brass EPDM	CuZn40Pb2	

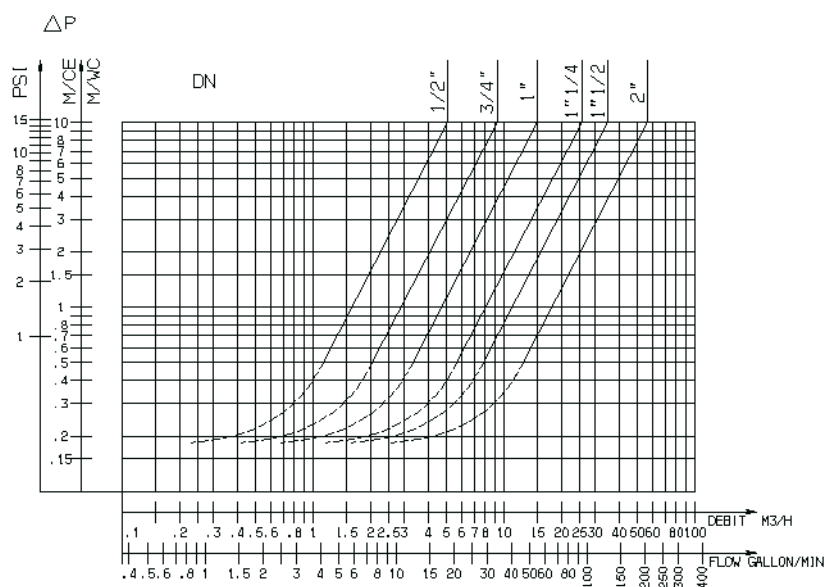


### Working principle

DN	Opening pressure (in mm WC)	Kv	ζ
"	 between 50 and 200	m <sup>3</sup> /H	
1/2		5,05	3,10
3/4		9,20	2,96
1		14,50	2,75
1 1/4		25,50	2,50
1 1/2		35,00	3,30
2		56,50	3,06

#### Directions for use

Solid line : Valve completely open  
Dotted line : Opening stage of valve



Socla can accept no responsibility for possible errors in catalogue, brochures and other printed material. Socla reserve the right to alter its products without notice. This also applies to products already agreed. All trademarks in this material are the property of the respective companies. All right reserved.

### Socla SAS

365 rue du lieutenant Putier  
71530 VIREY LE GRAND  
Postal address : BP 10273  
71107 CHALON SUR SAONE Cedex

Tel : 33 3 85 97 42 52  
Fax : 33 3 85 97 97 42  
<http://www.socla.com>  
e-mail: [commer@socla.com](mailto:commer@socla.com)