

Antipollution insert checkvalve - EB type

Technical Data Sheet







Description

IN checkvalves are compliant with the regulation of NF Antipollution brand.

According to the EN 1717, these EB type checkvalves are incorporated in a device, and guarantee a drinking water protection against a risk of pollution from a fluid of category 2.

The design of IN checkvalve is an advantage for OEM application with side-connection (as gauge connection). The O'ring can be mounted first and secondly the checkvalve itself. In this way the O'ring will not be damaged by sharp edges of the side-connection.

- Minimum head loss
- Noiseless operation due to a split obturator
- Does not generate hammering
- · Compact and easy to fit

- Axial guidance oburator with return spring
- Absolute sealing at high or low back pressure ensured by an especially designed lip-seal
- Meets the requirements of all europeans approvals



IN Antipollution insert checkvalve - EB type

DN		PFA	PS in bar				Cat.	Ref.	Weight	
С	"	in bar	L1	L2	G1	G2	Oat.	nei.	Kg	
15	1/2	10	10	10	10	10	4.3	2224003	0,0017	
20	3/4	10	10	10	10	10	4.3	2224004	0,0030	
25	1	10	10	10	10	10	4.3	2224007	0,0072	
32	1 1/4	10	10	10	0,5	10	4.3	2224005	0,0150	
40	1 1/2	10	10	10	0,5	10	4.3	2224006	0,0230	
50	2	10	10	10	0,5	10	4.3	2224002	0,0560	

Important notice:

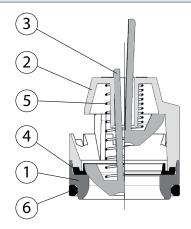
The temperature and pressure indications given for the various categories of fluids (L1/L2/G1/G2) are under no circumstances a guarantee that they are suitable for your system. Therefore, it is essential to validate the use of the products under given operating conditions with our technical department.

In addition, the operating instructions are available on our website www.socla.com or by simply asking our sales department.

Technical features							
Operation temperatures	Continuous -10°C up to 65°C / Maxi. : 85°C (in case of an accidental peak during 1h)						
Permissible operating pressure (PFA) in water	See table above						
Maximum permissible pressure (PS) other mediums	See table above						
Connection	Incorporation in a device						
Mediums	Clear liquids, drinking water, neutral gaz						

Nomenclature and materials

N°	Description	Materials						
1	Body	POM (Polyacétal)						
2	Guide	POM (polyacétal)						
3	Obturator	POM (polyacétal)						
4	Seal	EPDM						
5	Spring	Stainless steel						
6	O'ring	EPDM						





Approvals



















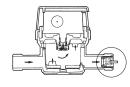


International Construction Standards:

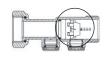
Specific NF brand regulation (technical doc. n°6: antipollution checkvalve) NF EN 13959

Application









IN checkvalves are incorporating in:

- Sanitary taps
- Thermostatic mixing valve
- Water meter

- EA antipollution devices (BB, WF, WH,...)
- CA antipollution device

Fonctionnement

Some vibrations can occur at low flow rates. These vibrations are genarated by possible lateral movements of the valve. Until now it was impossible to avoid this effect without affected hydraulic characteristics.

Thanks to the unique guide system by slotted stem that eliminates the possibility of movements and optimal hydraulic profile, vibration are eliminated.

By providing this guidance without the possibility of movements avoids calcareous deposits and vibration, ensuring a flowless and quiet operation for years.



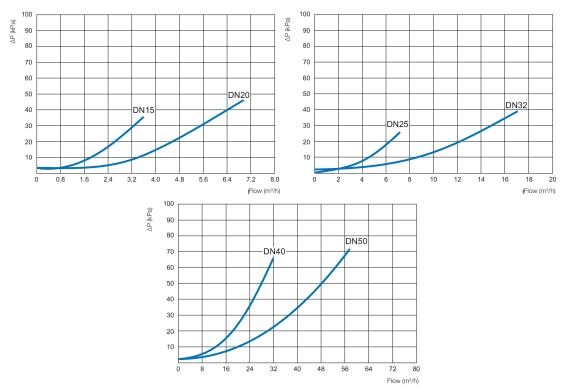
Classic obturator guidance



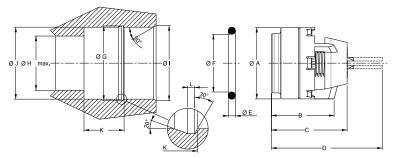
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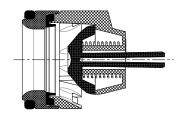
Operation

IN - Headloss chart



Sizing





Ref	DN	ØA	В	С	D	ØE	ØF	ØG	ØН	ØI	ØJ	K	L
nei	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2224003	15	15,18 _{-0,05}	12,2 ±0,4	15,2 ±0,5	22,80 ±0,5	1,5	12	15,8 ±0,1	11,5 0	16,1 ±0,1	15,2 +0,1	7,4 +0,2	0,2 +0,2
2224004	20	19,78 -0,05	16,60 ±0,4	21,7 ±0,5	32,20 ±0,5	2,0	16	20,6 ±0,1	15,2 0	21,1±0,1	19,8 +0,1	10,8 +0,2	0,4 +0,2
2224007	25	24,90 -0,07	21,50 ±0,4	26,0 ±0,5	35,90 ±0,5	2,5	20	25,8 ±0,1	18,8 ⁰ _{-0,1}	26,0±0,1	24,95 +0,1	13,9 +0,2	0,6 +0,2
2224005	32	31,70 ±0,07	26,65 ±0,4	34,45 ±0,5	51,45 ±0,5	2,95	26,61	32,9 ±0,1	24,2 0 -0,1	33,1±0,1	31,90 +0,1	17,0 ^{+0,2}	0,8 +0,2
2224006	40	39,30 ±0,10		40,75 ±0,5	61,10 ±0,5	3,53	32,92	41,2 ±0,1	30,1 0	41,2±0,1	39,5 +0,1	20,15 +0,2	
2224002	50	49,40 ±0,10	45,8 ±0,4	54,10 ±0,5	75,30 ±0,5	4,0	42	51,9 ±0,1	37,7 0	51,1±0,1	49,6 +0,1	24,3 +0,2	1,2 +0,2

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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WATTS INDUSTRIES France

1590 avenue d'Orange • CS 10101 Sorgues 84275 VEDENE CEDEX • France
Tel. +33 (0)4 90 33 28 28 • Fax +33 (0)4 90 33 28 39
contact@wattswater.com • www.wattswater.co.uk