

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE

No pollution check valve NF EA 3046 long ACS to protect drinking water networks.

Brass CW617N-4MS body, nylon disc and NBR gasket.

Weak head loss thanks to the cylindrical internal designing.

Double axial and lateral guide for a better centering of the throttle on the seat.

Controlable check valve with Hostaform plug, 10 years warranty.



Size : DN3/4" to DN2"

Connection : Free nut – Male BSP

Min Temperature : +5°C

Max Temperature : +90°C

Max Pressure : 10 Bars

Specifications : Check valve EA 3046

Controlable

Brass plug

NBR gasket

Weak head loss

Materials : Brass body CW617N-4MS according to EN 12165

*the installation defects and wear defects are not covered by the guarantee

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.com E-mail: info@sferaco.fr

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE**SPECIFICATIONS :**

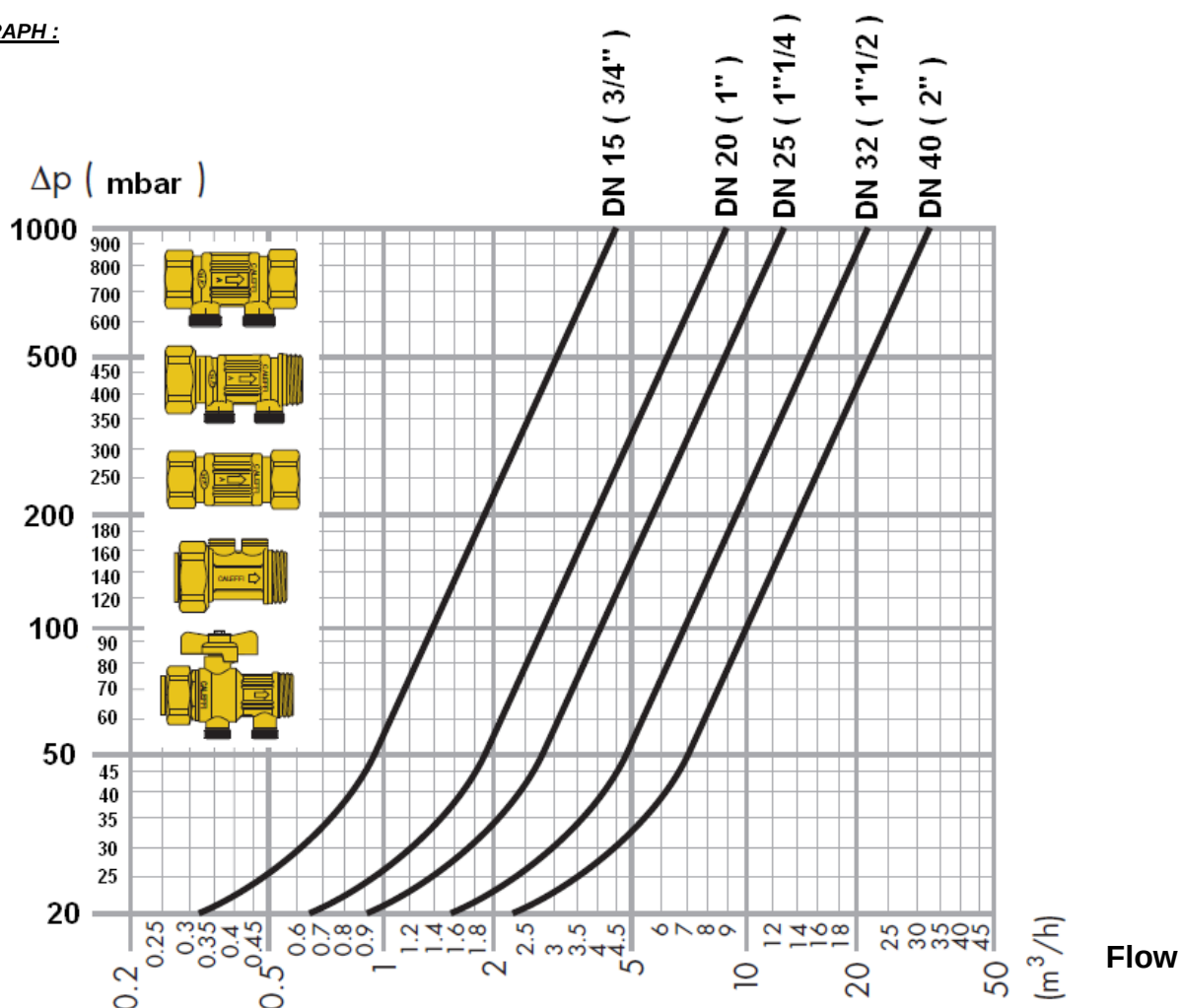
- Respect the flow direction indicated by the arrow
- Free nut / Male BSP (removable for DN 3/4")
- Controlable
- Weak head loss thanks to the cylindrical internal designing
- Stainless steel spring
- NBR gasket
- Brass CW617N-4MS body for a better mechanical strength
- Brass caps to control tightness
- Double axial and lateral guide for a better centering of the throttle on the seat
- Cap threaded 1/4" BSP
- 10 years manufacture warranty (the installation defects and wear defects are not covered by the guarantee)

USE :

- Water distribution
- For fluids category 1 and 2 according to EN 1717
- Min Temperature Ts : + 5°C
- Max Temperature Ts : + 90°C
- Max Pressure Ps : 10 bars

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE

HEAD LOSS GRAPH :



FLOW COEFFICIENT Kv (m³ / h) :

Ref. Sferaco	343055	343066	343077	343088	343099
DN	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m ³ /h)	4.5	8.8	13.4	21.4	33.2

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE

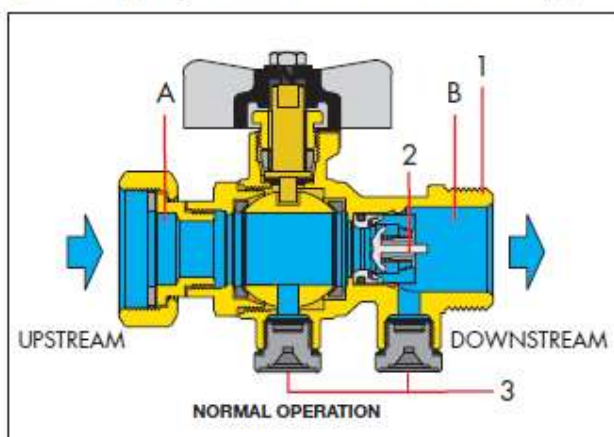
WORKING :

Operating principle

The anti-pollution check valve consists of a valve body (1), a check valve (2) and, if necessary, one or more inspection points (3) for operation checking and system draining procedures. The check valve (2) borders two different zones: one upstream or at the inlet (A) and one downstream or at the outlet (B).

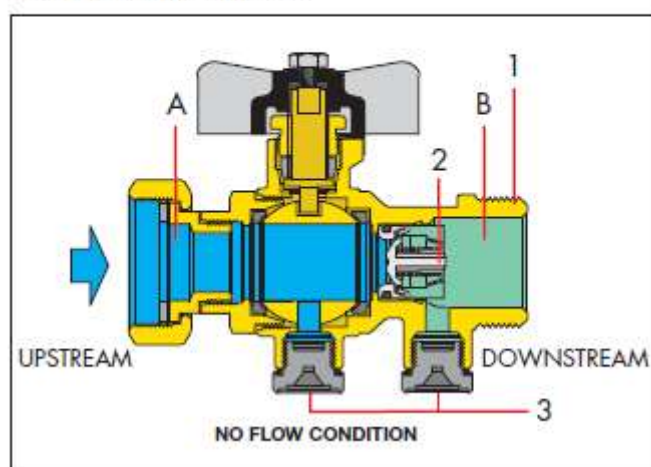
Correct conditions of flow

In correct flow conditions, the check valve (2) opens automatically when the pressure in the flow direction upstream (A) is greater than the downstream value (B).



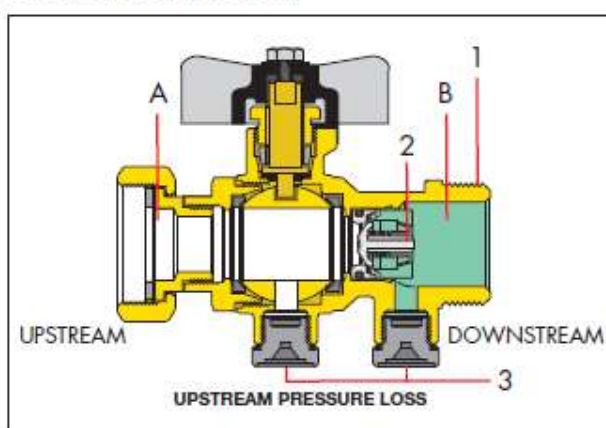
No flow conditions

The check valve (2) closes in advance under the action of the force exerted by the spring when the pressure downstream (B) tends to equal the value upstream (A), after the flow has stopped.



Upstream pressure loss

The check valve (2) remains closed, preventing water which has already been sent to the user from flowing back towards the public network.



Downstream pressure increase

If the pressure in the downstream zone (B) increases until it exceeds the upstream pressure value (A), the check valve (2) remains closed, thus preventing water that has already been sent to the user from flowing back towards the public network.

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE

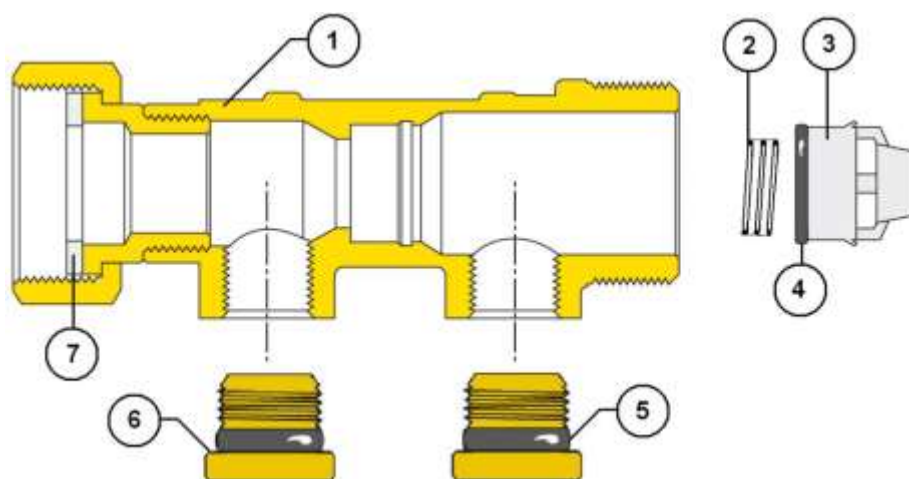
OPENING PRESSURE :

- Opening pressure : 5 mbar

RANGE :

- Free nut BSP cylindrical – male BSP threaded with 2 brass caps DN1/4", from DN 3/4" to DN 2" **Ref.343**

MATERIALS :



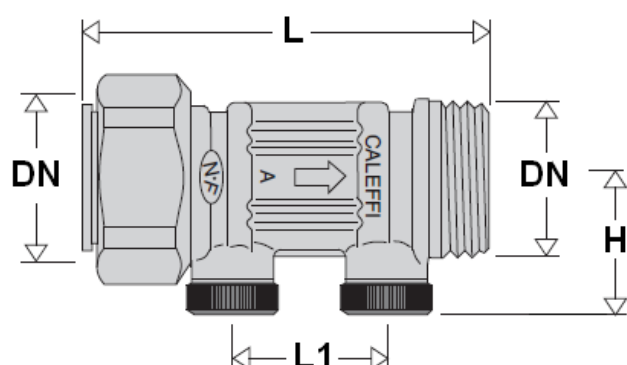
Item	Designation	Materials
1	Body	Brass CW617N-4MS according to EN 12165
2	Spring	Stainless steel
3	Throttle	POM (Polymer for DN3/4")
4	Gasket	NBR
5	O ring	NBR
6	Cap	Brass CW614N-4MS according to EN 12165
7	Free nut gasket	Fiber

NO POLLUTION CHECK VALVE EA 3046 NF CALEFFI SCUDO FEMALE-MALE LONG TYPE

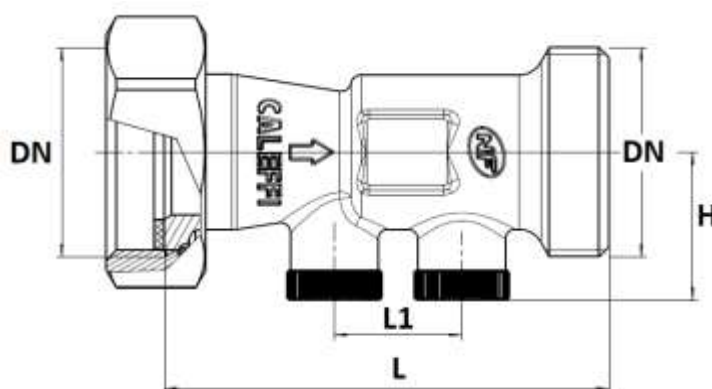
SIZE (in mm) :

MODIFICATION IN PROGRESS FROM DN25 to DN40 :

ACTUAL TYPE :



NEW TYPE :



DN (mm)	15	20	25		32		40	
DN (")	3/4"	1"	1"1/4		1"1/2		2"	
L	78	81	128	89*	153	100*	169	105*
L1	32	32	32	25.5*	32	31*	40	34.5*
H	22	27.5	27.5	29.5*	35	33*	40	37*
Weight (in Kg)	0.14	0.3	0.67	0.44	1	0.55	1.49	0.83
Ref. Sferaco	343055	343066	343077		343088		343099	
Ref. Caleffi	304645	304650	304660		304670		304680	

*modification in progress, compact type to come

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1 § 2b)
- French water agreement **A.C.S. N° 19 ACC LY 328**
- Designing according to EN 13959
- Check valves according to **NF045 datasheet n°1 and 6**
- Threaded male and female BSP cylindrical ends according to ISO 228-1

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.