

FILTERSTOP inspectable strainer with shut-off

5771 series



Function

The inspectable strainer with shut-off mechanically separates the impurities contained within systems using a mesh strainer. The device also features a shut-off function to allow cleaning of the strainer element.

PATENT PENDING

Product range

Code 577105 Inspectable strainer with shut-off _____ DN size 20 (3/4")
 Code 577106 Inspectable strainer with shut-off _____ DN size 20 (1")

Technical specifications

Materials

Body: brass EN 12165 CW617N
 Hydraulic seals: EPDM
 Strainer housing: POMG25
 Strainer: stainless steel EN 10088-2 (AISI 304)
 Ball: brass EN 12165 CW617N, chrome plated

Performance

Usage with domestic water:
 Maximum working pressure: 16 bar
 Medium temperature range: 5–40 °C

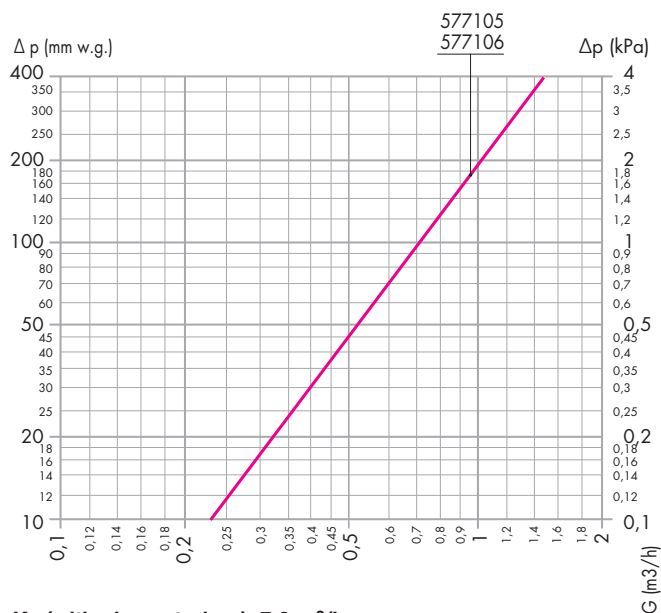
Usage with technical water:

Maximum working pressure: 10 bar
 Medium temperature range: 0–90 °C
 Max. percentage of glycol: 30 %
 Medium: water, glycol solutions
 Strainer mesh size: 160 µm

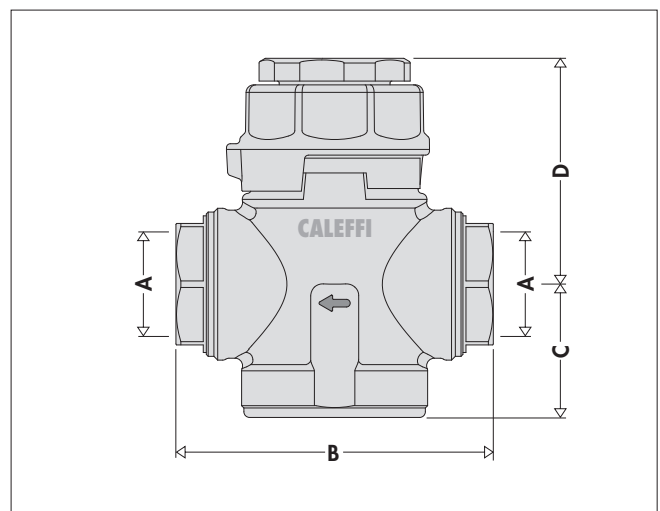
Connections

Body: 3/4", 1" F (ISO 228-1)

Hydraulic characteristics



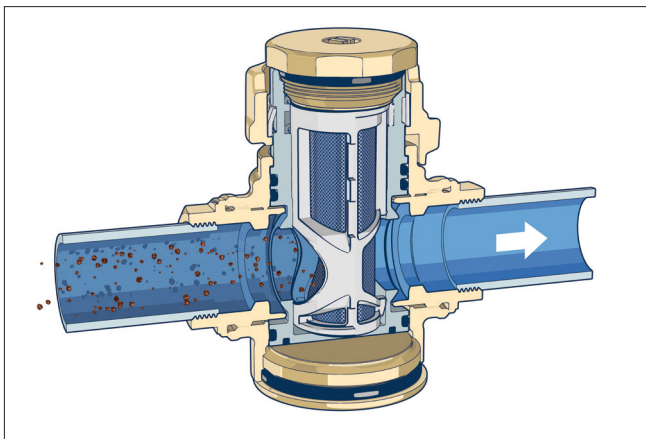
Dimensions



Code	DN	A	B	C	D	Mass (kg)
577105	20	3/4"	84	35,5	59,5	1,035
577106	20	1"	104	35,5	59,5	1,170

Operating principle

Operation of the inspectable strainer is based on the mechanical filtration provided by the steel mesh which captures impurities. The large straining surface helps to maintain a high Kv level in spite of the elevated straining capacity of the 160 µm mesh.



The shut-off valve is designed so that only the water contained in the strainer needs to be drained before cleaning the internal elements. To retrieve the strainer, turn the ball valve clockwise.

Warning! Do not force valve closure in the wrong direction.

Construction details

Compact solution

FILTERSTOP incorporates the functions of three devices in one, significantly reducing the amount of space required during the planning and installation phases.



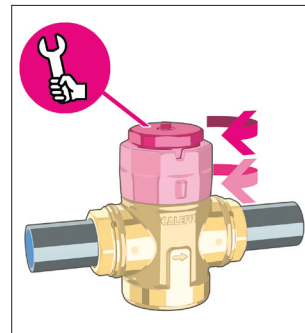
High-performance filter mesh

The filter mesh captures impurities to a size of 160 µm from the very first passage and ensures ultra-efficient separation. The large strainer surface allows improved dirt distribution, however it does not hinder the flow and therefore helps to maintain a high Kv level. Made in stainless steel, it is extremely strong and will not lose its efficiency over time.



Safe opening mechanism

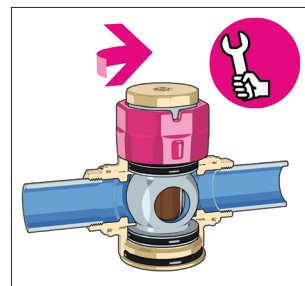
To remove the strainer, the shut-off must be closed and should remain so; this also applies when re-fitting it inside the device. The mechanism prevents unwanted water leakage during maintenance. Plus, pressure venting via the relevant screw makes cleaning easier, as it ensures the strainer pressure level is the same as its surrounding environment, thereby reducing the risks to the operator and preventing uncontrolled leaks.



No opening lever - strainer removed from the front

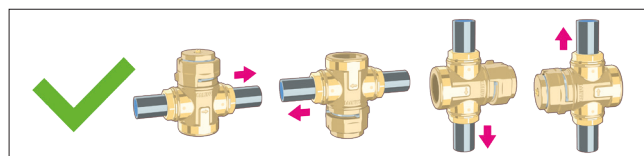
Installation is flexible, thanks to the shut-off mechanism that uses a spanner and not a lever. FILTERSTOP, in fact, does not require bulky additions nor extra space to turn a lever: it is the ideal solution for smaller environments.

The strainer is removed from the front, to make maintenance and installation easier.



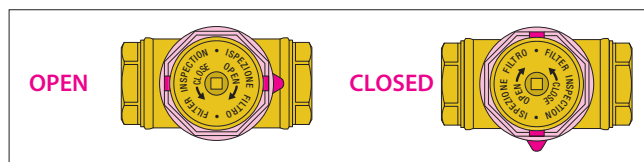
Installation

The strainer can be installed in any position, observing the flow direction indicated by the arrows on the valve body.

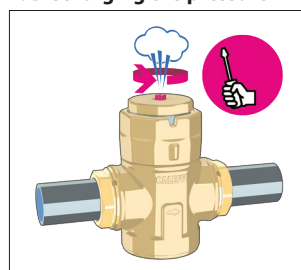


Maintenance

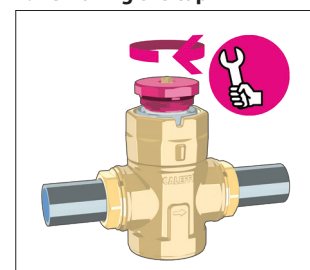
The strainer can be cleaned in a few simple steps after it has been isolated using the dedicated ball valve. The filter cartridge can be washed with running water.



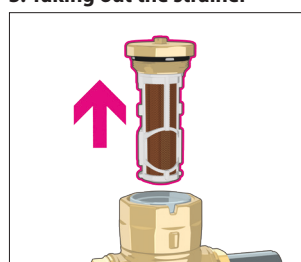
1. Discharging the pressure



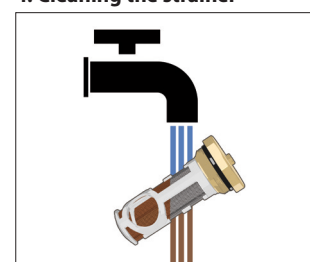
2. Removing the cap



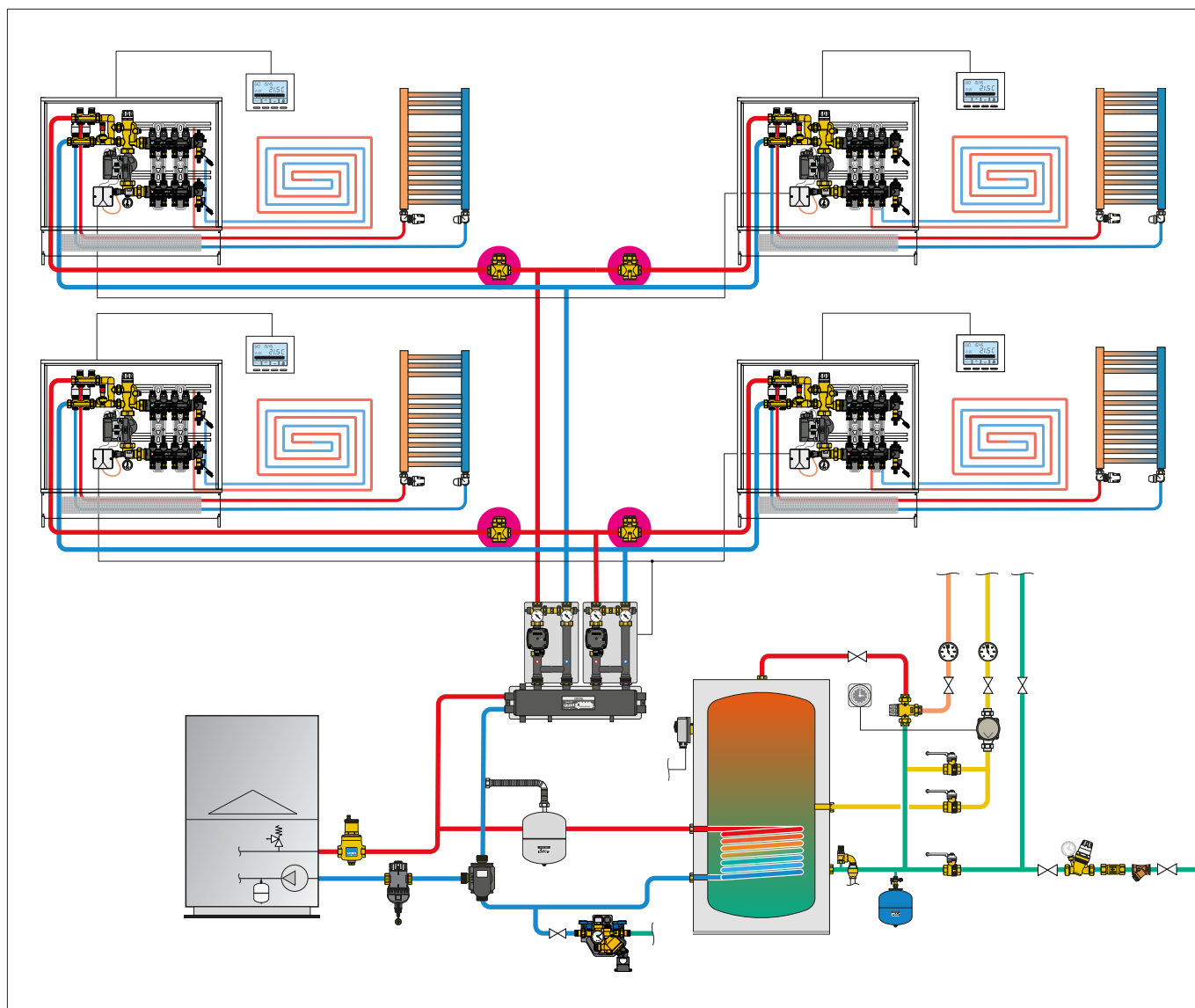
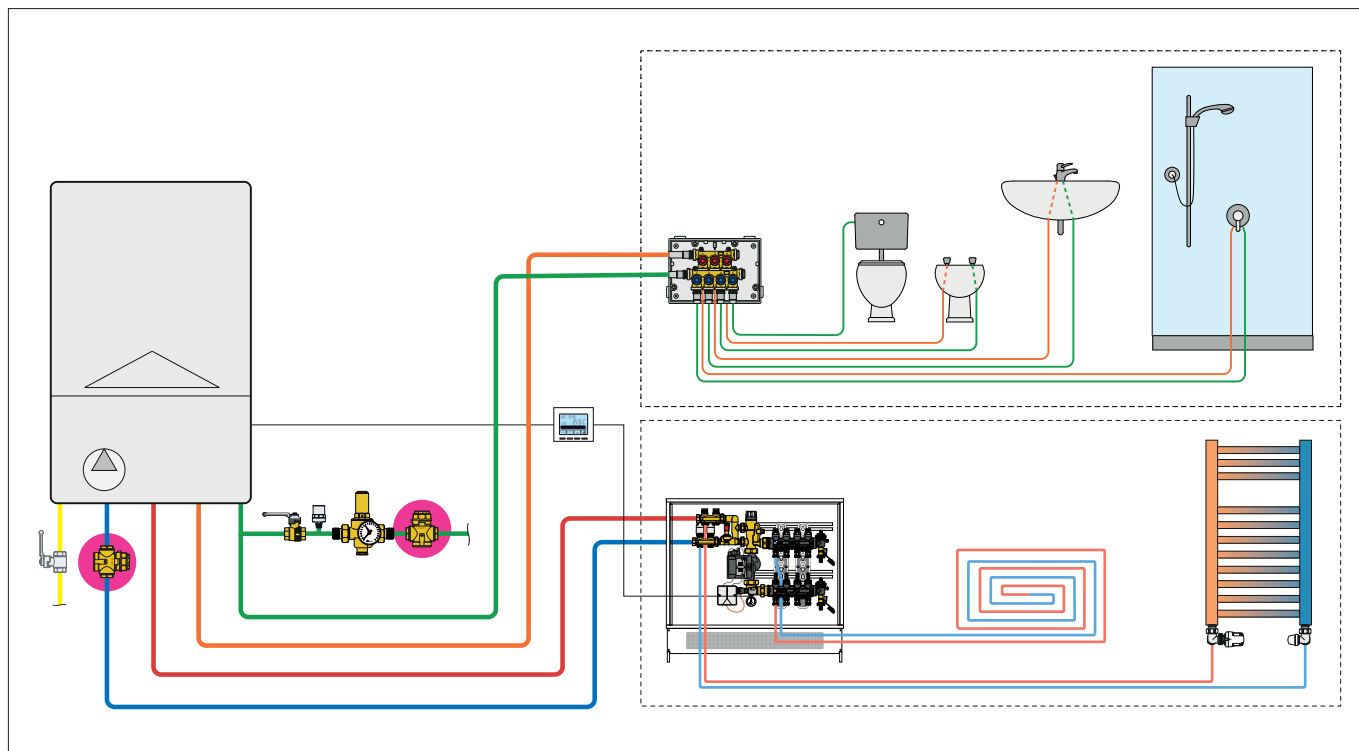
3. Taking out the strainer



4. Cleaning the strainer



Application diagrams



SPECIFICATION SUMMARY

5771 series

Inspectable strainer with shut-off.

Brass body EN 12165 CW617N. Ball made of chrome plated brass EN 12165 CW617N. Connections 3/4" F (ISO 228-1) or 1" F (ISO 228-1). EPDM hydraulic seals. Filter housing made of POMG25. Strainer made of stainless steel EN 10088-2 (AISI 304). Strainer mesh size: 160 µm. Kv: 7,2 m³/h.

USAGE WITH TECHNICAL WATER: Maximum working pressure: 10 bar. Medium temperature range: 0–90 °C. Max. percentage of glycol: 30 %. Medium: water, glycol solutions.

USAGE WITH DOMESTIC WATER: Maximum working pressure: 16 bar. Medium temperature range: 5–40 °C.

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