



CALEFFI XF

Semi-automatic self-cleaning magnetic filter

577 series

www.caleffi.com



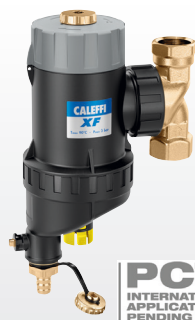
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- **EXtra** Filtering device; the combined action of the filter and the dirt separator ensures maximum efficiency when it comes to the separation of impurities within the system, from the very first passage.
- Eliminates magnetite in the closed circuit, preserving the magnetic rotors of the circulators.
- Extremely quick and efficient maintenance, thanks to the internal brush mechanism.
- Can be installed on both horizontal and vertical pipes, thanks to the adjustable connection.
- Its large filtration surface and impurity separation upstream of the filter minimise the problem of mesh clogging.



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PRODUCT RANGE



CODE	CONNECTION	Kv
577500	3/4"	10,3
577600	1"	10,7
577700	1 1/4"	10,7
577200	Ø 22	9,0
577300	Ø 28	10,5

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CODE	CONNECTION	Kv 100 %	Kv 50 %
577800	1 1/2"	23	40
577900	2"	23	40

Complete with by-pass

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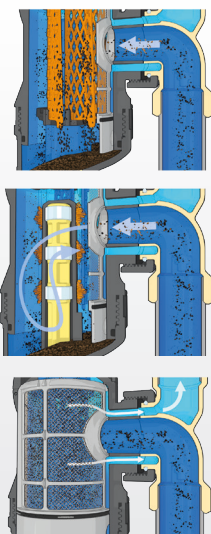
TECHNICAL SPECIFICATIONS

Working temperature range	0–90 °C
Max. working pressure	3 bar
Medium	water, glycol solutions
Filter mesh size	160 µm
Ring system magnetic induction	3 x 0,475 T

OPERATION

Water treatment in the system takes place in three separate stages:

1. The water enters the device centrally and comes into contact with the internal element where, on striking these surfaces the impurities in the water are separated out, dropping into the bottom of the body.
2. There is a magnetic probe in the central zone which captures the smallest particles of magnetite and ferrous impurities.
3. On exiting the treatment chamber, the medium passes through a filter, which mechanically blocks all remaining impurities in the medium.



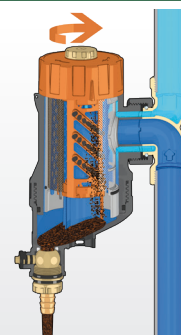
CONSTRUCTION DETAILS

The large filter mesh surface with a mesh size of 160 µm makes the device less prone to clogging.



MAINTENANCE

No component disassembly is required for cleaning; simply turn the knob at the top of the device to clean the filter mesh using the internal brush mechanism.



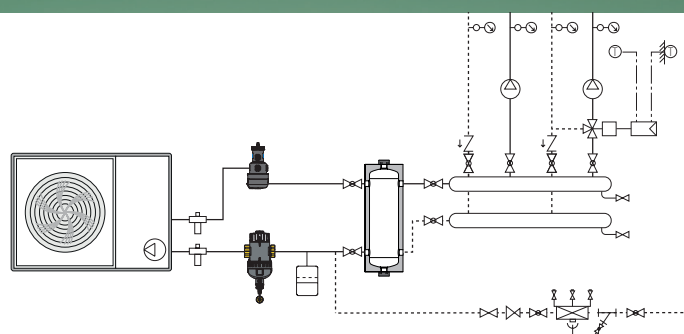
ADJUSTABLE BY-PASS

Sizes DN 40 (code 577800, 1 1/2") and DN 50 (code 577900, 2") are equipped with a by-pass to restrict the flow rate passing through the device and thereby increase the Kv value.

We recommend 100 % filtration during commissioning and for the first few weeks of system operation. Then, during the "constant" phase, the device can be set to operate with by-pass to achieve a higher Kv.



APPLICATION DIAGRAM



REFERENCE DOCUMENTATION

577 series

- Tech. broch. 01391

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