

# Advanced Pro Heating Filter 3425

Backwashing filter with magnetic separation for heating systems



## Field of application

The SYR Advanced Pro Heating Filter is used in hot water heating circuits according to BS7953:2019 for filtration, desludging and separation of magnetic sediments. Coarse and fine-grained impurities (e.g. rust sludge), which can lead to malfunctions in

control and regulating devices, are removed by the powerful combination of backwashable heating filter and magnetic separation. The integrated 360° rotatable flange is supplied in 28mm with a 22mm reducing set.

## Design

The heating filter includes a fine 100 micron stainless steel strainer, a backwashing system to clean the strainer mesh without any dismantling of the product, a magnet in a dry pocket, and a 360° de-

gree rotating connection flange. An integral bypass system maintains circulation even if the strainer becomes heavily soiled.

## 3425 Advanced Pro Heating Filter

### Material

The housing and spindle are made of a high-quality, approved brass alloy. The individual parts used are made of high-performance, technical plastics and the seals are made of rubber-elastic EPDM

(resistant to hot water and ageing). In addition, the heating filter can be supplied with pre-formed insulating shells as an accessory.

### Installation

The housing of the heating filter is always installed with the main axis aligned vertically. Preferred installation is in the return, but also possible in the flow of the heating system. The heating filter should only be installed in a dry, frost free area.

To ensure smooth backwashing, at least 400 mm of free space must be maintained below the heating filter. Stagnation must be avoided (supply line max. 10 x DN).

### Technical specifications

Medium:	heating water (max 50% glycol content)
Operating pressure:	min. 1,5 bar; max. 10 bar
Operating temperature:	max. 110 °C
Installation position:	main axis filter body vertical
Nominal size:	28 mm
Flow capacity $\Delta p = 0,18$ :	3,6 m <sup>3</sup> /h
Kvs value:	8,0
Serial no:	3425.25.015

### Mounting

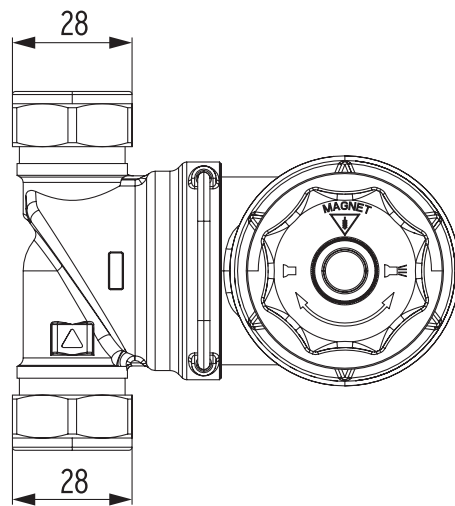
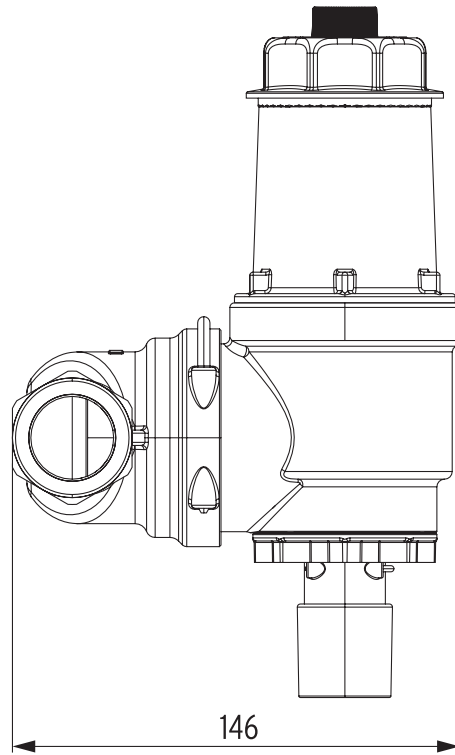
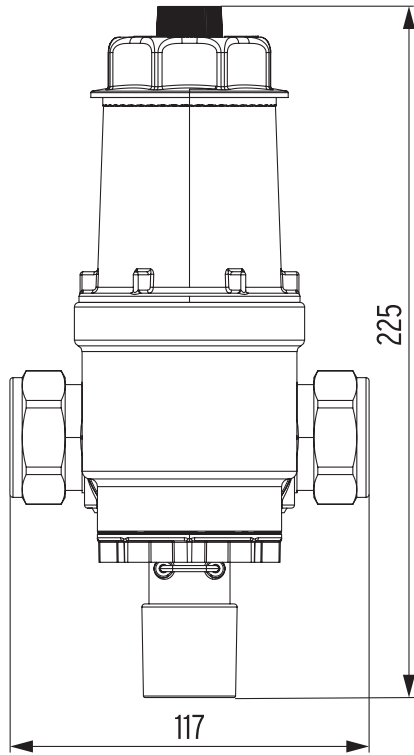
The installation is suitable for both horizontal and vertical pipes due to the rotatable flange. Observing the direction of flow, the heating filter

is installed stress-free in the pipe. The vertical alignment of the main axis must be observed.

### Maintenance

Depending on the degree of contamination, the heating filter should be backwashed in regular cycles. The backwash water (3 litres) should be drained off with a suitable hose or collected in a

bucket. No dismantling of the filter is necessary in order to clean it, the complete backwashing process can be done in less than two minutes.



Dimensions [mm]

## 3425 Advanced Pro Heating Filter

### Components / Order numbers

①  
**Filter unit**  
3425.00.900

②  
**Insulation**  
3425.00.905

