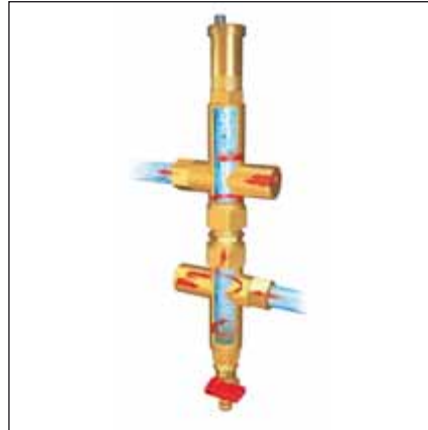


Flow filter/air flow filter



Application

Flow filters and air flow filters remove lime, rust, sludge, dirt and gas from heating systems and ensure clean water and trouble-free operation. Suitable for hot water heating systems, underfloor heating systems, solar systems (special versions, please enquire), fuel cells and renovation of system components (sludge removal). Also suitable for removing lime in the circulation circuit of potable water facilities.

Description

Most advanced heating systems use water for heat transmission. However, this water also transports unwanted substances such as lime, calcium, magnesium, oxide, carbonates as well as larger particles such as welding or soldering residue, metal chips and dirt. These substances may cause malfunctions in fittings and control units. A compact flow filter (particle separator) was developed to remove these particles from the water. The particles settle in the collection chamber of the filter and can be flushed out via a valve with small amounts of water. Clean water ensures trouble-free operation of systems and reduces fuel and maintenance costs.

Clean system components have a better thermal conduction, they ensure quicker warming up and thus contribute to reduced fuel consumption and emission.

The combined air/flow filter was developed for heating systems which are subject to problems caused by oxygen or other gases. The de-aeration valve automatically removes the gases.

In the case of potable water, the flow filter is installed in the circulation circuit. Lime particles settle in the flow filter and can be flushed out. This reduces the deposits in pipes and fittings. Special materials which are suitable for drinking water were used for this application.

Technical specifications

Housing

Brass

Operating pressure

Max. 10 bar

Operating temperature

Max. 95 °C

Dimensions (W x H x D):

Flow filter: 120 x 194 x 60 mm

Air/flow filter: 120 x 394 x 60 mm

Connections

Flow filter: Inlet G³/₄

Outlet G1

Air/flow filter: 2 x G³/₄

Scope of delivery

Flow filters and air/flow filters are delivered with a form-fit insulation.

Advantages

- Suitable for open and sealed systems
- Also suitable for the precipitation of lime in the circulation circuit of potable water systems
- Reliable function principle without filter sieve
- Flushing possible during normal system operation
- Easy and cost effective installation
- Cost savings due to fewer malfunctions and longer service life of the installation
- Energy savings due to improved heat transfer with clean system components

DG: G		PU	Part no.	Price €
Flow filter – heating	28 kW	5	78210	
Flow filter – heating	50 kW	5	78211	
Air/flow filter – heating	28 kW	5	78212	
Air/flow filter – heating	50 kW	5	78213	
Flow filter – non-potable water	---	5	78214	