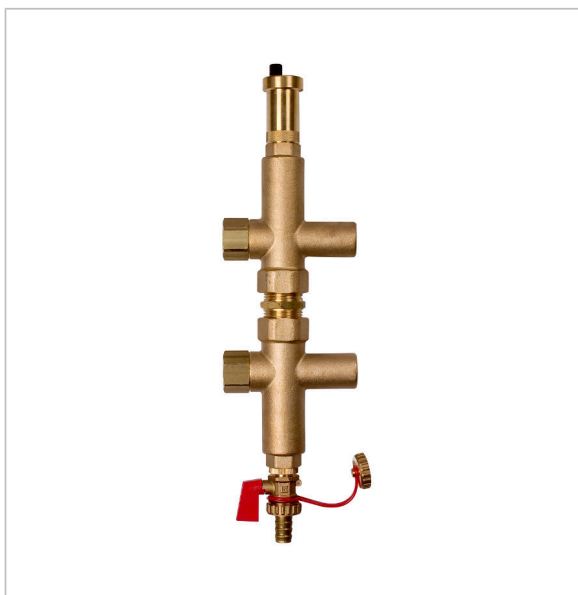


Flow filters, combined air/flow filters



Benefits

- Dirt particle separator
- Suitable for open and sealed circuits
- Flushing possible during operation of the system
- Cost savings due to fewer malfunctions and longer service life of the system
- Energy savings due to improved heat transfer at clean system components

Application

Flow filters and combined air/flow filters remove lime, rust, sludge, dirt and gas from heating systems to provide 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 drinking water facilities.

Versions

	Part no.
Combined air/flow filters - heating 28 kW	78212
Combined air/flow filters - heating 50 kW	78213
Flow filters - heating 28 kW	78210
Flow filters - heating 50 kW	78211

Blue part no. = in-stock items

Description

Most advanced heating systems use water for heat transmission. This water may also transport 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) removes 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 supports trouble-free operation of systems and reduces the fuel and maintenance costs.

Clean system components have better thermal conduction, they provide for faster heating up and thus contribute to reduced fuel consumption and emissions.

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

In the case of drinking water systems, 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 are used for this application.



Technical specifications

Housing

Brass

Insulation

Polypropylene EPP

Operating pressure

Max. 10 bar

Operating temperature range

Medium: Max. 95 °C

Dimensions (W x H x D)

Combined air/flow filters - heating:

120 x 394 x 60 mm

Flow filters - heating: 120 x 194 x 60 mm

Connections

Inlet x outlet

Combined air/flow filters - heating:

G $\frac{3}{4}$ x G $\frac{3}{4}$

Flow filters - heating: G $\frac{3}{4}$ x G1