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Filling fitting FA/FAM

NOTE!

The product may only be used if you have fully read and understood these operating instructions. The manual is also available on the AFRISO websites in the Internet.

WARNING!



The product may only be installed, commissioned, and dismantled by trained personnel.

Changes and modifications carried out by unauthorised persons may cause danger and are prohibited for safety reasons.

Risk of scalding by hot medium! Perform all installation and maintenance work after the system has cooled down.

APPLICATION

Used in heating systems. Installed at the lowest point of the system. After connecting to the water supply, the fitting automatically fill the system to the set output pressure.

PREDICTABLE INCORRECT APPLICATION

Do not use the filling fitting FA/FAM in the following cases:

- when operating conditions exceed the maximum allowable pressure or temperature of the medium,
- with the following liquids and gases: with the following liquids and gases: a mix of water and glycol with a glycol concentration of more than 50%, water vapour, oil, petrol, water intended for human consumption, other media that damage the valve components or interfere with its operation.

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OPERATING PRINCIPLE

FA/FAM filling fitting enable automatic filling of the heating system to the required pressure.

The desired pressure in the system is set using the adjustment knob at the top of the device, after loosening the locking screw. Use a 17 mm flat-ring or adjustable spanner to change the setting. Turning the knob clockwise increases the outlet pressure, while turning it anticlockwise decreases it.

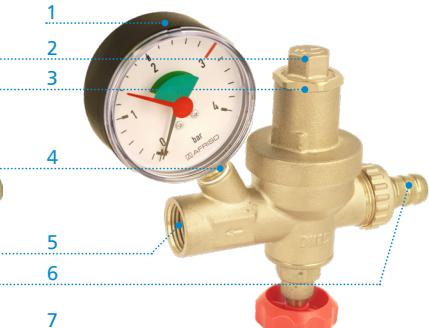
The pressure reducer inside the valves limits the water supply pressure and prevents the required pressure in the heating system from being exceeded.

CONSTRUCTION

FA (Art.No 42 405)



FAM (Art.No 42 406)



1. HZ heating pressure gauge Ø63 0-4 bar (FAM only)
2. Output pressure adjustment knob
3. Locking screw
4. Connection for pressure gauge G 1/4" F
5. Connection to the heating system G 1/2" F
6. Flexible hose connection, size 1/2"
7. Shut-off valve knob

Filling fitting FA/FAM systems consist of a pressure reducer, a non-return valve, a shut-off valve and a pressure gauge (FAM valve only).

2

MOUNTING AND COMMISSIONING

Before installing the filling fitting, thoroughly flush the system, paying particular attention to removing any residues from soldering, pipe cutting, etc.

1. Ensure that the flow direction in the system corresponds to the marking on the fitting body.



2. The installation location of the filling fitting should allow for its subsequent removal and maintenance.
3. The FA/FAM fitting should be installed at the lowest point of the heating system.
4. Use a flexible hose to connect the FA/FAM fitting to the water supply system.
5. Set the required pressure in the system. The FA/FAM fitting is factory set to an outlet pressure of 1.5 bar.
6. After filling the system, disconnect the hose from the FA/FAM fitting.

TECHNICAL DATA

Parameter	Value / material
Heating system connection	G $\frac{1}{2}$ " F
Water supply connection	connection for flexible hose $\frac{1}{2}$ "
Pressure gauge connection	G $\frac{1}{4}$ " F
Inlet pressure	max. 10 bar
Output pressure	adjustable within the range of 0.5-3 bar, factory setting 1.5 bar
Operating temperature	max. 90°C
Glycol concentration	max. 50%
Pressure gauge (FAM valve only)	ø63 mm dial, measuring range 0-4 bar, G $\frac{1}{4}$ " thread, radial connection, class 2.5
Body	brass
Seals	EPDM, NBR
Internal components	stainless steel

TECHNICAL DATA

Note! Maintenance work should only be carried out once the system has cooled down completely. Otherwise, there is a risk of burns from hot media.

Dirt in the system may cause valves to malfunction by blocking the throttling component of the devices. Depending on the quality and degree of water contamination, check regularly whether the valves maintain constant pressure and whether they respond to changes in pressure settings.

APPROVALS, CERTIFICATES AND DECLARATIONS OF CONFORMITY

Filling fitting FA/FAM is subject to the Pressure Directive 2014 /68/EU and is not CE marked in accordance with Article 4.3 (recognised engineering practice).

DECOMMISSIONING, DISPOSAL

1. Dismount the product.
2. Dispose of the product according to local directives and guidelines.

The product is built from recyclable materials.

If you have any questions or problems with disposal, please contact the appropriate distributor or manufacturer's point.

WARRANTY

Product guarantee in accordance with the general conditions of sale and delivery.

CUSTOMER SATISFACTION

For AFRISO customer satisfaction is paramount. If you have any questions, suggestions or product problems, please contact us.