



Flamco

Airfix

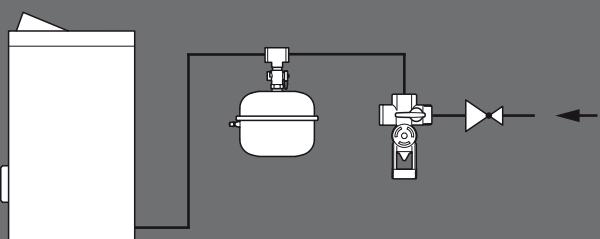
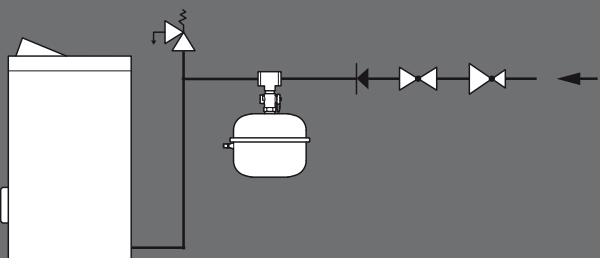
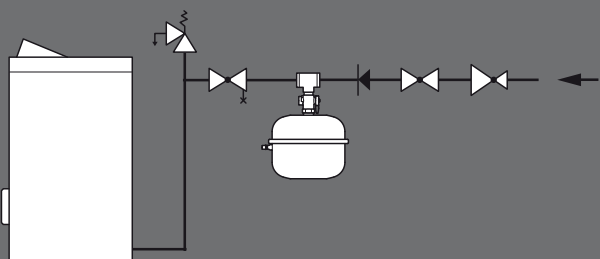
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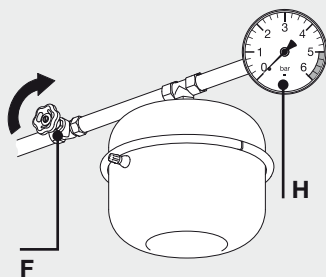
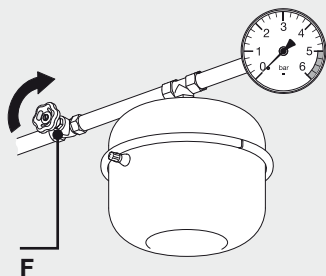
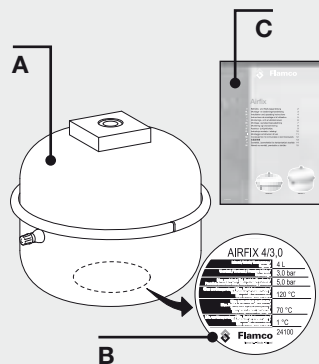
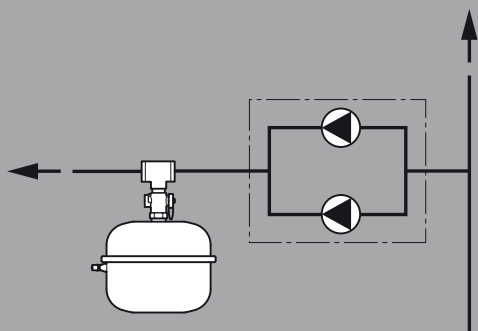
AIRFIX 2

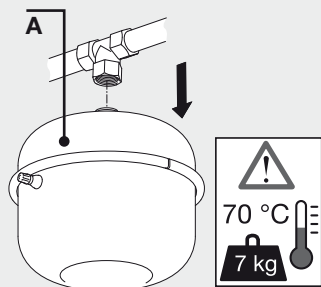
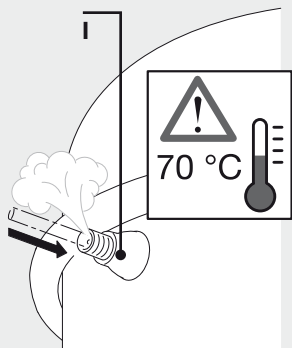
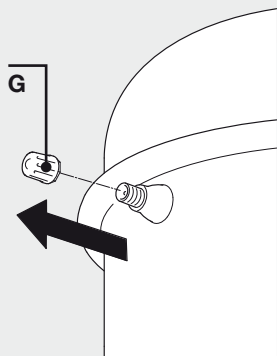
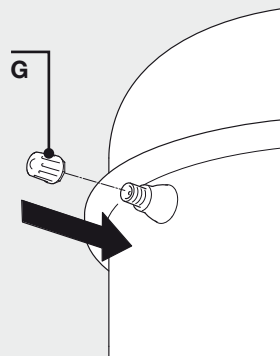
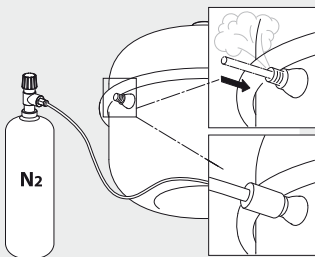
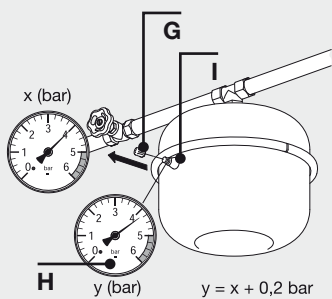
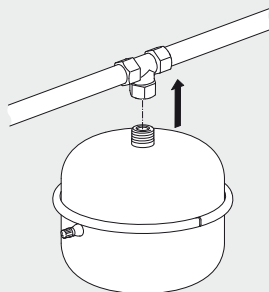
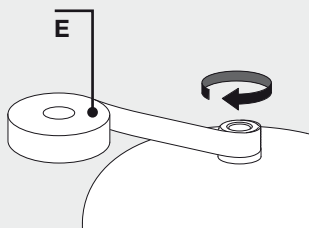
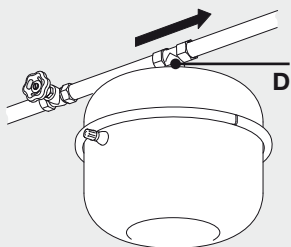


AIRFIX 4



Diese Ausführung ist **nicht** in Deutschland zugelassen!





General 1

This manual is for Airfix expansion vessels with a capacity of 2 and 4 litres.
The package includes an expansion vessel (A) with label (B), and a manual (C). See the label for the maximum permissible working pressure and the pre-charge.

Installation

- Expansion vessels with a capacity of 2 and 4 litres are installed hanging on the water nipple (D).
- If the expansion tank is to work properly, a pressure-reducing valve must be fitted immediately behind the water meter.

Applications

- Use on the cold-water side of drinking water installations in combination with a tank-type boiler system.
- Use in pressurized systems in order to reduce the number of pump strokes.
- Any form of warranty or liability will be voided if used in any other way.

**Safety requirements during installation**

The expansion vessel comes pre-charged: damage may result in serious injuries.

The piping must be able to carry a full expansion vessel.

Safety

- Prevent overpressure in the installation. Install a safety valve (for example Prescor B) or a safety group in the boiler pipes to ensure this.
- Set the opening pressure of the safety valve to a value that is equal to or lower than the maximum pressure shown on the label.
- The connection between the expansion vessel and the boiler must always be open.

Installation 2

The installation must be carried out by approved personnel only.
Observe local regulations.

Do not use hemp.

1. Put Teflon tape (E) on the expansion vessel connection.
2. Screw the expansion vessel onto the T-piece or the expansion pipe.

First use 3

1. Close the water supply (F).
2. Adjust the pre-charge of the expansion vessel to a value of 0.2 bar higher than the minimum cold-water pipe pressure. See the vessel label for the pre-charge.
 - Remove the guard (G).
 - Measure the pressure (H).
 - Push the inner valve (I) lightly if the pressure is too high.
 - Measure the pressure again.
 - Repeat this procedure until the pre-charge is correct.
3. Install the guard.
4. Open the water supply.
5. Examine the seal for leaks.

Maximum water absorption

Consult the Flamco technical documentation for the correct calculation.

Maintenance and service

The pre-charge must be checked annually to make sure that the expansion vessel is in working order.

If water disappears through the safety valve, it is possible that the pre-charge is too low. Check this in the following manner:

1. Close the water supply.
2. Drain the boiler until the pressure is 0 bar.
3. Check the pre-charge (see 'First use').
4. Increase the pre-charge with nitrogen or eventually compressed air.

Make sure that the pre-charge is not higher than the maximum working pressure. If the expansion vessel cannot be pressurized, it is possible that the membrane has a leak. You must then replace the expansion vessel.

De-installation 4

1. Close the water supply (F).
2. Remove the pressure from the system.
3. Remove the guard (G).
4. Push on the inner valve (I) to drain the pressure (H) from the expansion vessel.
5. Unscrew the expansion vessel (A).

**Caution:**

the water in the expansion vessel may be hot.

**Caution:**

a full expansion tank is heavy.

**Environment**

Observe the local regulations when you dispose of the expansion vessel.