

Magnetic Filter

For Central Heating

Systems 22 & 28mm Isoltion Valve Compression
connection

Maximum Pressure 12 bar at 120 °C

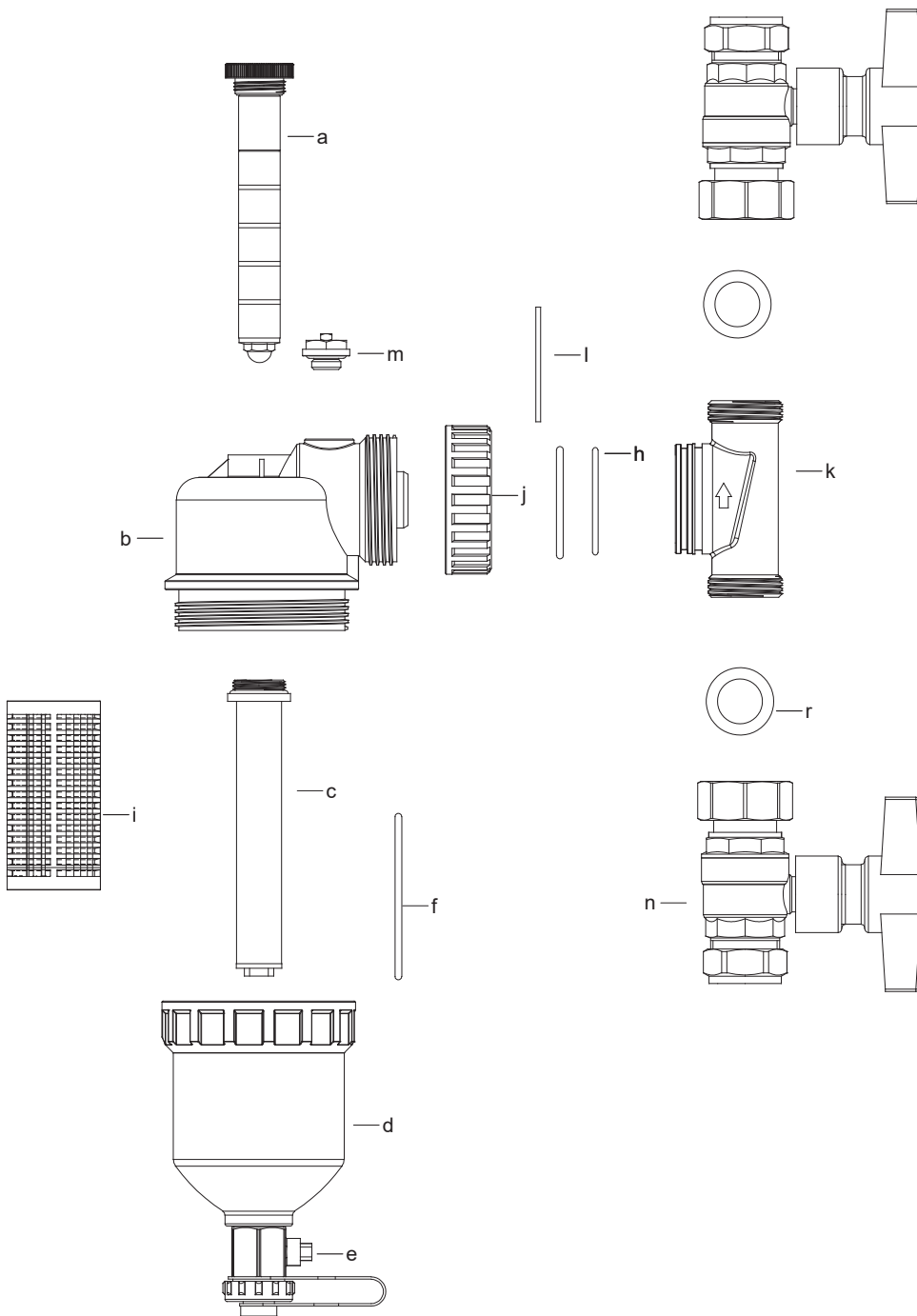
Instruction Manual

Please retain for future reference.

Important Information:

1. Installation should be carried out by a qualified professional or other fully competent person.
2. Please check that all components are present. If there are any missing or damaged parts, please contact your supplier immediately.

Component parts:

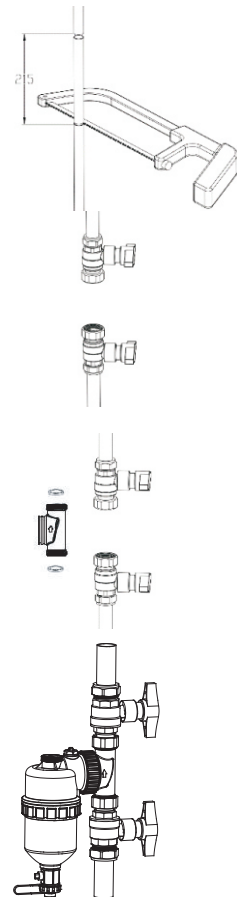


a	magnetic bar	b	filter body	c	cleaning cover
d	filter body	e	drain-off valve	f	O ring
j	color cap	h	O ring	i	plastic filter
k	rotating joint	l	snap ring	m	air-vent
n	22 & 28mm isolation valve	r	shim		

Installation Instructions:

Only a competent person such as a qualified heating engineer should install the device.

1. Locate a suitable site for the filter to allow access and servicing. Return pipe is recommended, do not fit it between the boiler and the overflow on the open vented systems.
2. Release and drain the heating system pressure.
3. Mark the pipe, using a suitable tool to cut out the marked section and remove burrs.
4. Fit the isolating valves provided onto both inlet and outlet pipes.
5. Introduce the diverter, ensuring the arrow direction follows the heating system flow. Fit the diverter using the provided flat washers, and tighten the inner nuts fully. After that, tighten the outer compression nuts on valves to ensure a watertight seal.
6. Fit the filter body to the diverter with enough strength, and hand tightening the locking collar (Do not over tighten). Filter body must be installed vertically. This filter's magnetic bar is removeable.
7. Open the isolation valves and turn on heating system.
8. Vent as required by using the Top Air Bleed Valve.



Annual Servicing Requirement:

To maintain optimum efficiency, annually cleaning is recommended.

1. Isolate the heating system and close both of the two isolating valves. Prepare a suitable bucket to collect spillage.
2. Loosen the between diverter and filter body, rotate the filter body by 180° degrees. Using a standard 1"thread nut spanner to unscrew and remove the filter cap.
3. Remove the magnet shield and wash using hot soapy water.

4. Remove the plastic filter and clean it with water.
5. Remove another 180° degree to drain off the inner dirty water to a bucket.
6. Replace both the magnet shield and stainless steel strainer after cleaning. Tighten the filter cap by hand. Rotate the filter body back to the correct position with the air bleed valve at the top. Fully tighten the diverter / filter body connection, slightly open the inlet valve and the bleed valve until all air is removed. Close bleed valve then open fully both inlet and outlet valve and check for any leaks.
7. Start the heating system.

WARNING: Please observe the safety instructions provided in this documents. This filter contains a strong magnets. Care and attention should be taken at all times during installation and servicing. Do not place the magnetic core on any ferrous surfaces or near ferrous items.

Chemical dosing:

1. Isolate the boiler and close both isolating valves. Release air pressure by opening the Top Air Bleed valve.
2. Drain the filter fully: rotate the filter through 180° degrees, remove the filter cap by loosening the nut between diverter and filter body. Place bucket to collect the water and undo the bleed valve. Once the water has been drained replace the bleed valve.
3. Dose chemicals through the open filter top once complete then hand tighten the filter top.
4. Rotate the filter body back to the correct position with the air bleed valve at the top. Tighten the diverter / filter body connection, slightly open the inlet valve and the bleed valve until all air is removed. Close bleed valve then open fully both inlet and outlet valve and check for any leaks.
5. Turn on heating system to flush, vent system is required.

Attention: Do not allow chemicals to remain static in the filter for long periods.

Trouble shooting and problem solving:

Problem 1: Water is leaking from the filter

Solution: Turn off the system, close the isolating valves. Perform the following checks:

- a. Check all seals for location and condition.
- b. Check the isolating valve nuts to ensure they are fully tightened.
- c. Check the converter locking collar is firmly tightened and not cross threaded.

Problem 2: Poor flow through filter

Solution: Clean the filter when reduced flow is noted.