

Datasheet

RS PRO 22mm heating filter

Stock No: 195-2206



Technical Specifications:

CALMAG HF2 FILTER 22mm

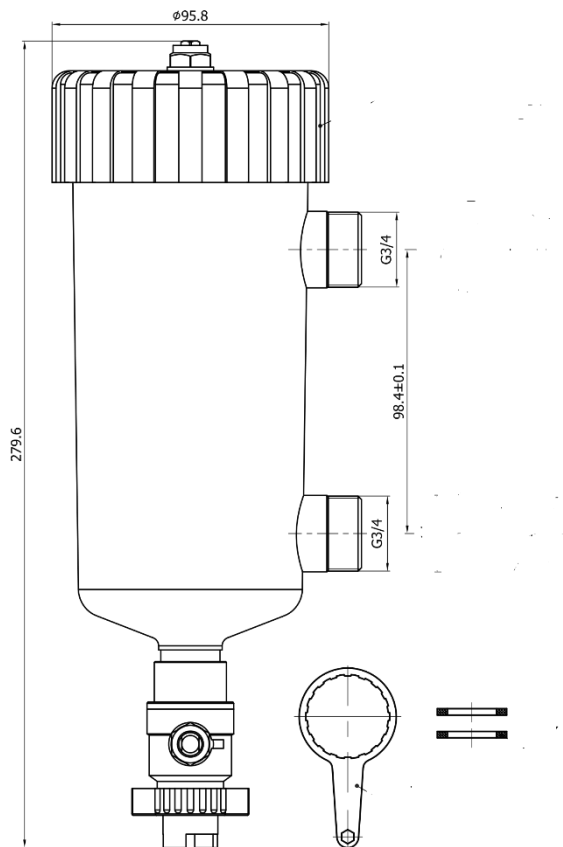
Why fit a CalMag filter? Radiator panels provide the largest surface area of a central heating system where they act as heat emitters. They are usually made of mild steel, which is highly reactive to corrosion. Even with a quality corrosion inhibitor installed, low levels of corrosion can occur. In the absence of air this is usually black magnetite, which is magnetic in nature and which can therefore be captured with a magnet. Although magnetite is seven times heavier than water and quite happy to sit in the bottom of the radiator from whence it came, some particles are dispersed around the system by the flow. If a magnetic filter does not collect these particles, they will surely end up trapped in the next device with electro-magnetic properties; the circulator pump where they will cause premature wear. The magnetic filter can also double as a sampling point to analyse the system water, or become the treatment point for liquid chemical additives. The table below shows some water conditions and suggested remedial action that can be determined from visual inspection of the contents of the filter canister:-

Water Condition	Suggested Remedial Action
Clear water, no magnetite	System appears to be corrosion free - inspect annually. Top up inhibitor every one to three years
Clear water, magnetite build up	System is corroding. Clean filter, add inhibitor, inspect every one to three months
Black water, magnetite build up	System is corroding badly. Clean the system - consider Power Flushing, then add inhibitor on final fill
Orange water, no magnetite	System is corroding due to ingress of air - investigate mechanical fault then clean the system then add inhibitor on final fill
Orange water, magnetite build up	System is corroding due to ingress of air and likely absence of inhibitor. Investigate mechanical fault. Clean the system - consider Power Flushing, then add inhibitor on final fill

Features & Benefits:

- Removes magnetite
- High strength magnet
- Used on all central heating systems
- Improves heating efficiency
- Improves life of boiler
- Conforms to Part L Building Regulations

Line drawing



General – component parts

Heating filter body

12000 guass magnet

Air release vent valve

Drain valve

$\frac{3}{4}$ " – 22mm compression isolating valves

Spanner