

ECO-MAG MAGNETIC FILTER

Introduction

The Instinct ECO-Mag magnetic central heating filter is the ideal solution to costly and unnecessary system breakdowns caused by both magnetic and non ferrous particulate in fluid based systems. Thanks to its innovative triple action magnetic filtration system, it identifies and retains all types of magnetite and non ferrous debris. The Instinct ECO-Mag can be used on all types of central heating systems and it is recommended, for maximum effect, that the filter be fitted on the return leg of the system, between the last radiator and the boiler. The isolating flat face ball valves provided make maintenance and installation quick and simple. As well as being fitted in conjunction with the installation of a new system, the ECO-Mag magnetic filter is well suited to being retro-fitted to an existing system where the boiler is being replaced; protecting new components and increasing the life span and effectiveness of existing ones.



- Actively filters magnetite and non ferrous debris
- 12000 gauss removable magnet
- 120°C max working temperature
- 6 bar max working pressure
- Manual air bleed
- Installation/servicing date wheel
- Supplied with a full set of spare sealing washers & o rings
- Hard wearing POM non ferrous filter
- Full bore isolating ball valves on inlet and outlet connections
- 360° installation
- Effortless servicing and fitting

Product Range

Description	
Magnetic filter 22mm	TBC
Magnetic filter 28mm	TBC



Through a combination of innovative product design, and a clever use of the laws of physics, water is guided through the components of the inta magnetic filter to achieve maximum filtration with each pass of the circuit. Water enters the filter through our ingenious diverter block and then passes into the 500ml capacity pressure drop chamber. Here, particulate is forced through the non ferrous filter and towards the magnet which is cleverly biased towards the bottom of the filter to ensure the inlet never blocks. Through a process of natural convection, water then circulates back to the top of the filter and back into the system leaving all magnetite and particulate debris captive at the base of the inta filters magnetic core. All system contaminants are then easily removed during servicing; the magnetic core can be removed without having to open the pot, demagnetising the contents. When the drain valve is opened, any captive debris is then flushed from the system.

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▀ Features & benefits

▀ Triple action filter:

Magnetic Filter – increases fuel efficiency, reduces carbon emissions and increases the life span of boiler and system components.

Non Ferrous Filter – decreases risk of unnecessary and expensive breakdowns.

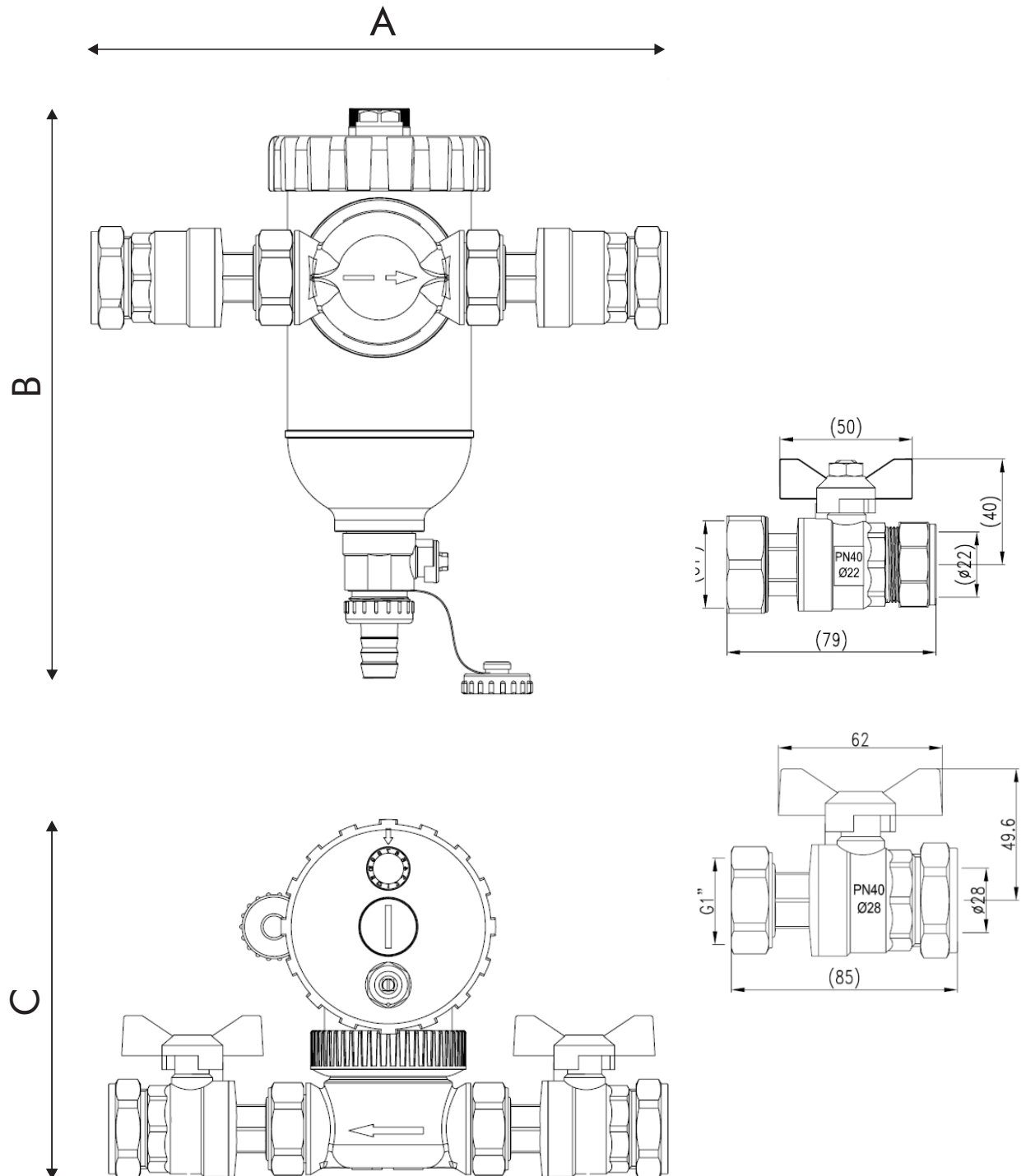
Manual Air Separator – ensures the system remains free of air, helping to reduce noisy pipework and decrease stress on system components

- ▀ Available in 22mm & 28mm – suitable for all types of central heating systems, whatever the specification may be
- ▀ Full bore flat face isolation valves – ensures that full flow is always achieved to maintain system performance. The flat face of the inta magnetic filter's isolation valves provides a slip connection for the diverter body enabling effortless fitting and servicing
- ▀ 360° Installation – can be installed anywhere on any orientation of pipework saving the installer time and money
- ▀ 12000 Gauss Neodymium Magnet – the inta magnetic filter's magnet operates over an intelligently designed surface area to give maximum magnetite capture
- ▀ 500ml dosing capacity – large dosing pot capacity enables installers to quickly dose without having to drain down the whole system
- ▀ Easy clean, easy drain design – effortless service calls for the installer
- ▀ Un-blockable – even if the filter isn't serviced, it will never inhibit system performance as its unique connection, aided by full bore isolation valves, means that it will never block
- ▀ Heavy duty POM filter for non-ferrous material – breaks up and retains non-ferrous debris that can inhibit system performance and cause expensive break downs
- ▀ Date wheel - installers can set the date wheel to the month they install the unit meaning that both end users and installers alike know when the unit needs to be serviced.
- ▀ Spares - supplied with a complete range of spare o rings and sealing washers as well as a brass hose connector which screws on to the bottom of the drain valve.

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▀ Dimensions

	A	B	C
22mm	232mm	242mm	157mm
28mm	245mm	242mm	157mm



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Materials specification

valve body and screw cap	PA66 30% GF
integral non ferrous filter	POM
screw cap, connector pot and drain valve seals	Silicone
ball valve and drain valve o ring seals	EPDM
magnet	Neodymium earth magnets
ball valves, connector block and drain valve	Brass

Flow rate & pressure drop

