

INTAKLEAN MAGNETIC FILTER

Introduction

The intaKlean 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 vortex magnetic filtration system, it identifies and retains all types of magnetite and non ferrous debris. The intaKlean can be used on all types of central heating systems and it is recommended, for maximum effect, that the intaKlean be fitted on the return leg of the system, between the last radiator and the boiler. The isolating flat face ball valves, provided with the intaKlean, make maintenance and installation quick and simple. As well as being fitted in conjunction with the installation of a new system, the intaKlean 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
- 360° installation
- Ease of maintenance and fitting
- Full bore isolating ball valves on inlet and outlet connections
- 11000 gauss bi-directional magnet
- Multi functional accessory port
- Full bore isolating valves and manual air vent included
- 90°C max working temperature
- 3 bar max working pressure

Product Range

Description	
IntaKlean magnetic filter 22mm	IKMF22
IntaKlean magnetic filter 28mm	IKMF28



The intaKleans design, which places the magnet at the bottom of the filter, is completely unique. Through a combination of innovative product design and a clever use of the laws of physics, water is guided through the components of the intaKlean to achieve maximum filtration with each pass of the circuit. Water enters the filter through our ingenious diverter block and then passes into the intaKleans 500ml capacity pressure drop chamber. Here, particulate falls through the mesh filter and down towards the magnet. 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 intaKlean. All system contaminants are then easily removed during servicing by isolating the intaKlean from the system and unscrewing the cap at its base. The magnet has a removable sheath to enable quick cleaning and maintenance.

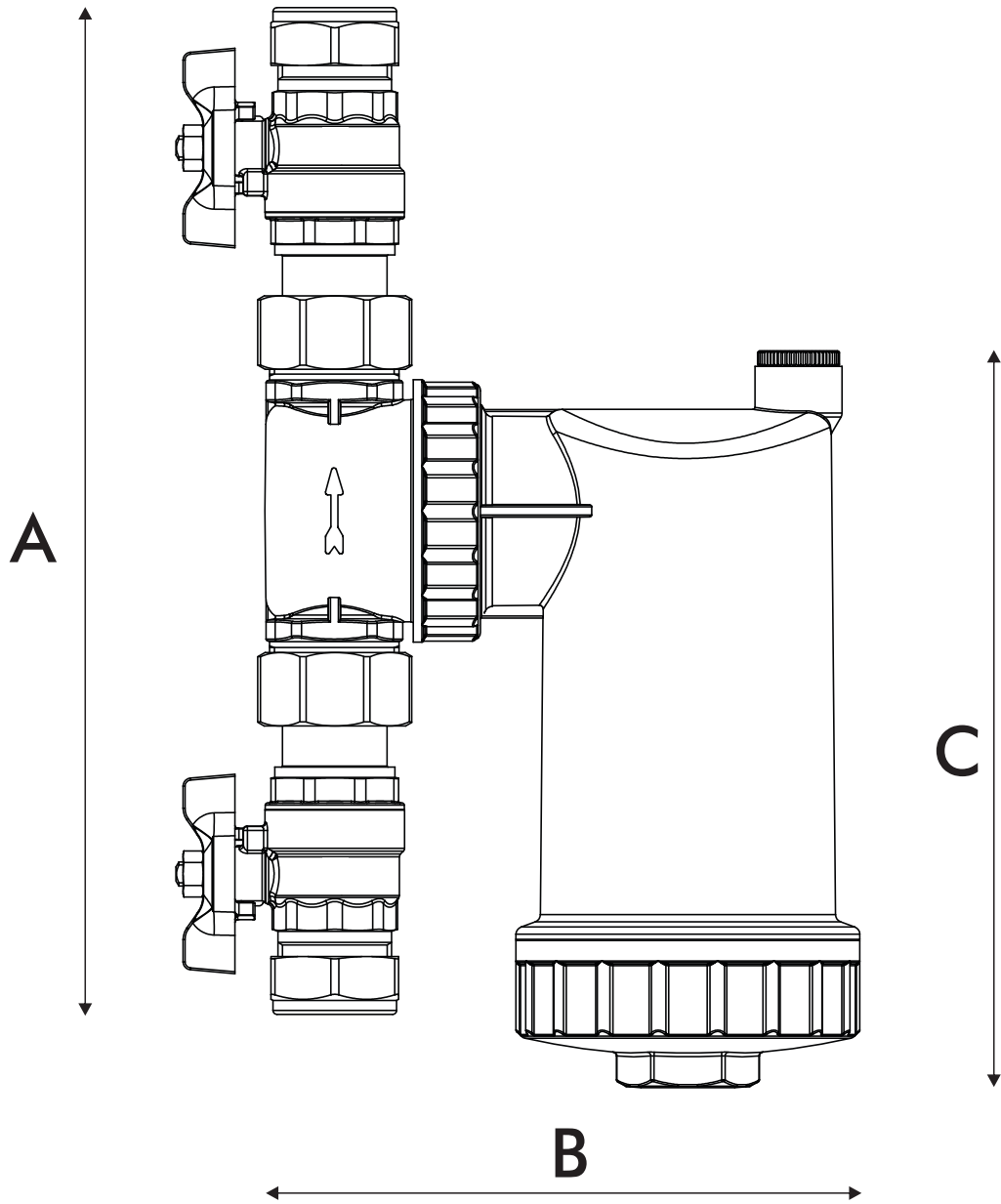
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Features & benefits

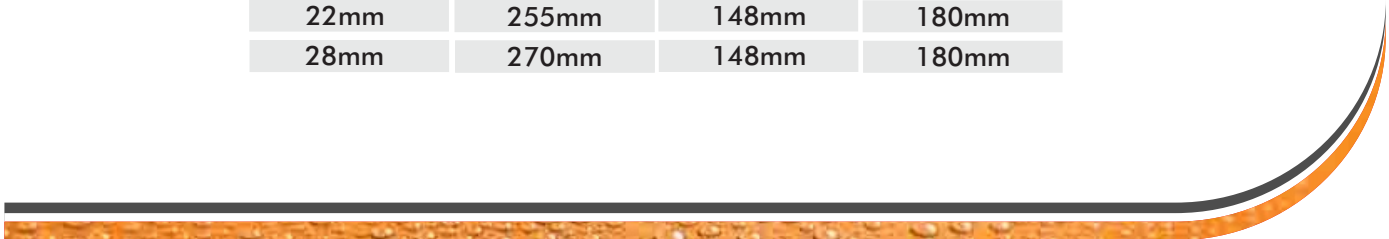
- Triple action filter:
 - Magnetic Filter – increases fuel efficiency, reduces carbon emissions and increases the life span of boiler and system components.
 - Non Magnetic Filter – decreases risk of unnecessary and expensive breakdowns.
 - Air Separator – ensures the system remains free of air, helping 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 IntaKlean'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
- 11,000 Gauss Neodymium Magnet – one of the strongest magnets in its class operating 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 IntaKlean 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
- Features a bi-directional magnet – the IntaKleans magnet is cleverly placed at the bottom of the filter using the power of gravity as well as magnetism to ensure an effective, unblocked filter at all times
- Heavy duty stainless steel filter for non-ferrous material – breaks up and retains non-ferrous debris that can inhibit system performance and cause expensive break downs
- Multi-function accessory port – can act as an air bleed, an automatic air vent, a pressure gauge, a dosing point or a drain valve. The choice is the installers

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▀ Dimensions

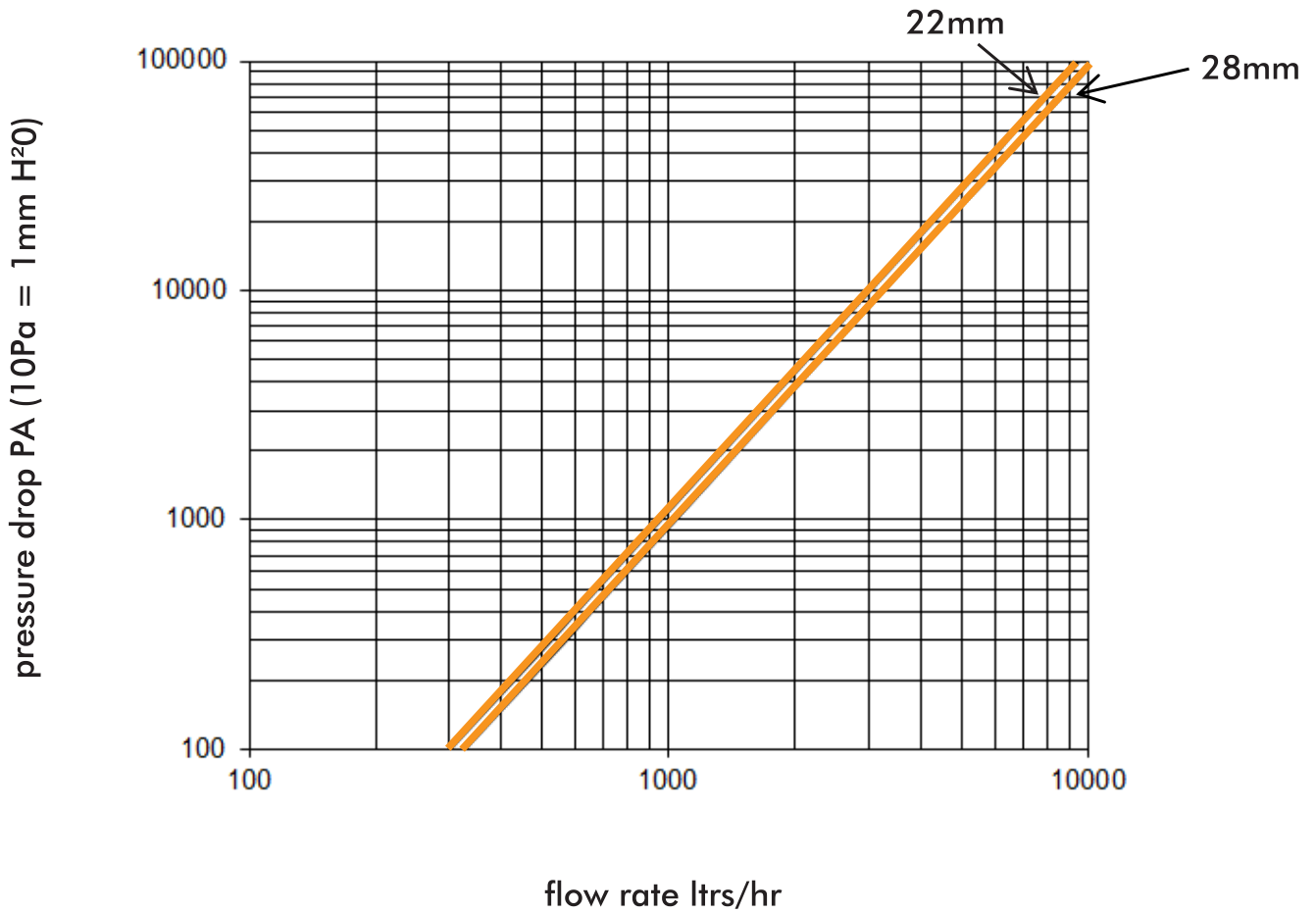


	A	B	C
22mm	255mm	148mm	180mm
28mm	270mm	148mm	180mm



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Pressure Drop Graph



22mm Kw(m³/h) - 9.50

28mm Kw(m³/h) - 10.30