





A name you can trust



A World Leader in Magnetic Technology

- 100 years of manufacturing excellence
- Pioneers in advanced magnet technology
- The worldwide benchmark for magnet design and quality
- Worldwide service and distribution network
- Part of the world renowned Spear & Jackson Group

A HISTORY OF MAGNETIC INNOVATION

| 1889 | 1914 | 1934 | 1948 | 1960 | 1990 | 2005 | 2012 |
|--|---|--|--|--|--|---|---|
| Founded as part of James Neill Steel Company | Produced first magnet as part of WW1 effort | Invented world's first magnetic workholding system | World famous Eclipse "Red" magnet range launched | World leading "Premier" chuck range launched | Eclipse magnetics separation systems revolutionise food production hygiene | The world's most advanced magnetic filtration system sets new standards in steel processing | Boilermag high performance magnetic filter launched |



Magnetic Innovation

We supply critical equipment to the world's most demanding industries including aerospace, automotive, medical, pharmaceutical and food.

Our client base is testament to our quality, working with prestigious names such as:-

Honda, Ford, BMW, Yamaha, Toyota, Bosch, BP, NSK, JCB, Caterpillar, Pepsi, Warburtons, Nestle, British Sugar, Pfizer, Siemens, BAE Systems, Bombardier, Hoffman, Cromwell, Sainsbury's, Premier Foods, Kelloggs...

- Our magnets ensure over 22,000 tons of crystal sugar every day are protected from ferrous contamination
- Our magnets protect over 5 million loaves of bread each day from ferrous contamination
- Our magnets operate critical equipment on the world's most advanced combat aircraft
- Our magnets are used in over a 1000 UK supermarkets
- Our magnets ensure ultra-efficiency of millions of litres of aviation fuel each week
- We offer 127 different grades of Neodymium Iron Boron (NdFeB) magnetic material



More than just a supplier...

We provide the full range of in-house services

Design

Our technical application team set high standards in magnetic design – working on innovative projects for demanding markets.

Manufacture

With in-house manufacturing and 100 years of expertise we can directly control quality, lead times and costs.

Testing

Pre-testing facilities ensure 100% performance guarantee.





IT'S GOT A GRUDGE AGAINST SLUDGE

Domestic
System
Filter



Installs in minutes, protects for years

The Dual Flow Heating System Filter



Combining high performance with ease of installation and servicing, Boilermag's patented magnetic technology removes virtually 100% of all ferrous oxide or magnetite from the system on the first pass through the filter.

- Installed/cleaned in minutes
- Fits standard 22/28mm pipework
- In-line installation with 360° adjustment
- Unique dual flow
- Guaranteed no block
- Non-block mesh filter
- Also captures non-magnetic material
- Allows access for chemical dosing
- Servicing tools included

Homeowner Benefits

- Reduced energy bills
- Significantly increased boiler/system life
- Lower maintenance costs
- Zero running costs
- 3 year warranty

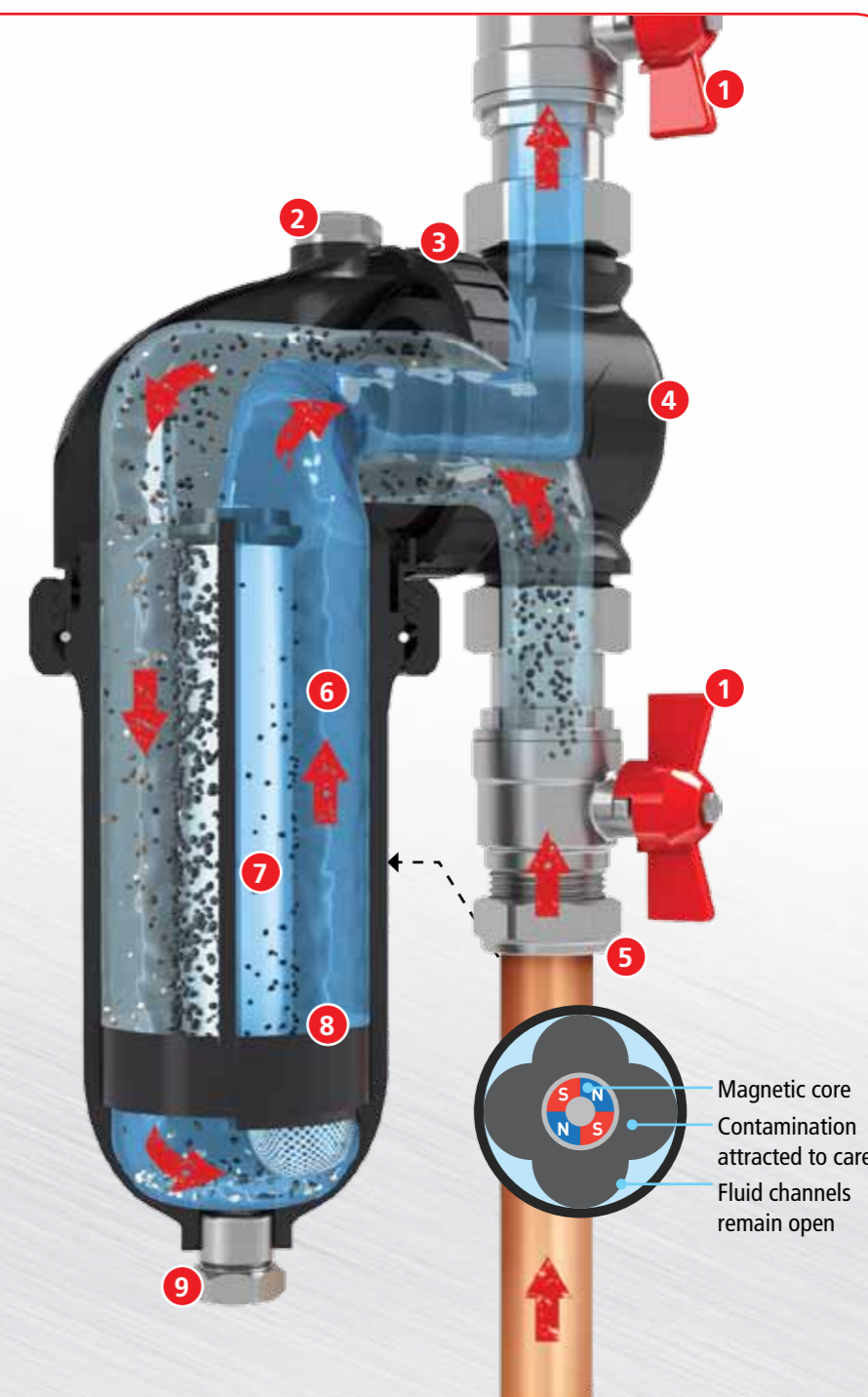


Dual Flow Heating System Filter

Boilermag uses patented dual flow technology that effectively filters the water twice on a single pass. It ensures that ferrous oxide is exposed to the magnet for longer whilst maintaining flow.

This is combined with a mesh filter that captures non-magnetic contamination, leaving a clean, efficient system.

- 1 High quality isolation valves included
- 2 Air vent/dosing point
- 3 Adjustable collar allows 360° pipe orientation
- 4 In-line installation
- 5 Easy fit for flush attachment*
- 6 Dual flow technology ensures virtually 100% ferrous oxide removal
- 7 Patented magnetic core
- 8 No block mesh filter removes scale and other non-magnetic debris
- 9 Drain valve



Unit does not block even when fully loaded with contamination

Magnetic core
Contamination attracted to core
Fluid channels remain open

Our big magnet delivers big performance

Compare the size of our magnet with other brands and see that with a capacity of 60.8cm³ Boilermag will attract and collect more system clogging debris with the added benefit of our clever guaranteed no-block system.

Outstanding collection efficiency and capacity

Boilermag's patented free-flow design double filters at up to 60 litres per minute. Fast, efficient flow means the heating system operates at its peak performance on either a single pass or on multiple passes.

The large holding capacity of the Boilermag unit means the unit will continue to operate at peak performance without affecting the capability of the heating system.

Peace of mind with a three year warranty

You can trust the world leaders in magnetic filtration systems, and our warranty gives you complete confidence in Boilermag.



Dual Flow System Filter

Key features

| | |
|---------------------|------------------------|
| Install orientation | 360° |
| Magnet type | Patented internal core |
| Magnet volume | 60.8cm ³ |
| Maximum flow rate | 60 ltrs/min |
| NF filtration | Non block mesh |
| Warranty | 3 years |



Whatever the installation, we've got the solution

Backed by 100 years of magnetic design and manufacture, Boilermag is the only brand to offer a full range of dedicated system filters for domestic, commercial and industrial applications all backed with a 3 year warranty to give you peace of mind.

BOILERMAG
3 YEAR
WARRANTY

BoilerMag^{XT}
Dual Flow System Filter

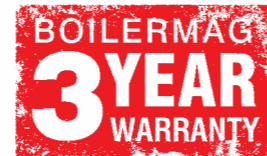


BoilerMag
Dual Flow System Filter



BoilerMag^{XL}
Dual Flow System Filter





Commercial

A cost effective option for heating efficiency and boiler protection

BoilerMagXL is a cost effective option for medium sized, commercial, retail or large residential properties.

Compatible with 1½" fittings and pressures up to 6 bar, the BoilerMagXL is easy to install and maintain.

| Performance | |
|---------------------|--|
| Volume | 1.4 litres |
| Pressure | 6 bar (operating pressure) |
| Collection Capacity | 1 kg |
| Temperature | 5°C to 150°C |
| Construction | |
| Magnet material | Rare earth neodymium iron boron |
| Magnet grade | N42SH high intensity |
| Mesh filter | 1mm, quick release mesh (for cleaning) |
| Housing | 304 stainless steel |
| Cartridge | 304 stainless steel |
| Fasteners | Lid 4x M8 domed nuts Drain plug 1/2" BSP |
| Surface Finish | Powder coated |
| Ports | 1½" BSP (1½" NPT on request) |
| O Ring Seal | Viton BS244 |
| Warranty | Industry leading 3 years |
| Options | 1½" NPT |

Multifunctional cleaning tool / spanner included



Industrial

High performance protection for large heating and cooling systems

BoilerMagXT is specially designed to remove ferrous oxide from large industrial heating systems where system efficiency and reliability are critical.

With models available to suit 2" to 6" fittings, BoilerMag is suitable for up to 12 bar pressure systems.



| Part No. | Inlet / Outlet Dia. A | Filter Dia. B | Flange spacing C | Height D | No. magnetic rods | Flow rate cubic metres/hour | Flange type |
|-----------|-----------------------|---------------|------------------|----------|-------------------|-----------------------------|-------------|
| BMXT150/2 | 2" | 170mm | 260mm | 225mm | 5 | 20 | PN16 |
| BMXT200/3 | 3" | 220mm | 360mm | 280mm | 7 | 55 | PN16 |
| BMXT200/4 | 4" | 220mm | 360mm | 280mm | 7 | 85 | PN16 |
| BMXT300/6 | 6" | 325mm | 470mm | 365mm | 9 | 110 | PN16 |

| Performance | |
|----------------------|--|
| Magnetic performance | 9,000 Gauss high strength |
| Performance reading | On tube surface |
| Magnetic material | Rare earth neodymium iron boron |
| Magnet grade | N42SH – inspected and confirmed by hystergaph prior to use |
| Temperature | 5° to 150°C |
| Operating pressure | 12 bar |
| Materials | |
| Housing | 304 grade stainless steel |
| Tube cartridge | 316 grade stainless steel – aerospace quality |
| Other parts | 304 grade stainless steel |
| Surface finish | Internal - bead blast External - powder coated, black |
| Sealing | Viton o-ring, brown |
| Warranty | Industry leading 3 years |
| Options | High temperature samarium cobalt magnetic material +250° C |



High performance system treatment range



A great brand

with exciting new opportunities

As well as our high performance dual flow system filters we now offer a comprehensive water treatment range. All backed by the same high quality service and support.

Chemical Cleaner & Protector

We offer two fantastic chemical products to help maintain and protect heating systems. BM1 is a build cert approved corrosion and scale inhibitor. The formula has been used in over a million UK households. BM3 removes sludge, scale and other debris from the heating system, protecting against scale and corrosion and helping maintain heating efficiency.



Electrolytic Scale Reducer (ESR)

The Boilermag ESR provides high performance protection against the build-up limescale. Part L compliant, the Boilermag ESR is a major contribution to improving efficiency and boiler protection.



Box clever

To make it easy to comply with Part L of the latest Building Regulations we offer convenient, cost effective chemical treatment packs.

The packs include:

- A Boilermag dual flow heating system filter
- 500ml of BM3 Cleaner
- 500ml of BM1 Protector
- Boilermag Electrolytic Scale Reducer (only included in Part L pack)



Supporting our brand... Supporting our customers

With Boilermag you don't just buy a product you get a full package of support and the benefits of dealing with a large organisation including:

- **Commercial Sense** – Boilermag is a premium product which gives the stockist excellent profit margins, in addition we can offer attractive promotional deals to support our clients.
- **Marketing Support** – we provide POS materials and customers benefit from our national press coverage, advertising and trade show activity.
- **Sales & Technical Support** – our team are available for technical support and on-site training/promotional events.
- **First Class Customer Service** – our dedicated national team is available to manage your order.
- **Delivery from Stock** – product can be with you in less than 24 hours.



We're only a call away

If you have any more questions or would like to become a Boilermag stockist please contact us on

0114 225 0624 or e-mail service@boilermag.com

"We were very impressed by Boilermag's ease of fit, the magnet performance compares favourably against other types of filter we have used. It also removed a load of non-magnetic stuff from the system"

Wayne Fowler, Heating Engineer, Samtech Mechanical Services

"Boilermag is a crucial element in maintaining our optimum heating efficiency, it also provides excellent protection for our heating system components"

Engineering Manager - Sheffield Northern General Hospital

"Boilermag is easy to fit – all the connections are included and it only took 20 minutes to fit, it certainly works – after just 45 minutes it had removed a load of magnetite and this was from a supposedly clean system"

Dale Hague , Gastec approved installer

"The results clearly speak for themselves, thanks to Boilermag we now have a system which is running efficiently with improved water flow to areas of the hotel which were previously a problem"

Vince Mann, Operations Manager , IAC Services –
(responsible for Holiday Inn hotels)



