

# Water Treatment

Section	Page No.
<b>Scale Inhibitors</b>	
Magnetic Scale Inhibitor	87
Electrolytic Scale Inhibitor	87
Trade Magnetic Scale Inhibitor	87
<b>Water Softeners</b>	
Electric	88
Non-Electric	89
<b>Chemicals</b>	
Heating System Chemicals	91
Miscellaneous Chemicals	94
Powder Chemicals	96
<b>Magnetic Filters</b>	
22mm + 28mm Magnetic Filter (Isolation Valves)	98
Fernox TF1 Sigma UB Filter 22mm	99
Fernox TF1 Sigma Mini 22mm	99

## Our frequently ordered Water Treatment products...



**Best Seller**

**IN-100 Concentrate Corrosion Inhibitor**  
Page 92



**Smaller Bottle Size**

**IN-300 Concentrate System Cleaner**  
Page 92

### Water Treatment Features

There are many features in our Instinct Pro Water Treatment range. Use the icons to help choose the right option for you.

 Manufactured in Great Britain	 Manufactured Using Patented Technologies	 Easy to Install and Maintain	 Cost Saving Product	 Dosing Amount – Up to 100 Litres
 Dosing Amount – Up to 10 Radiators	 Prevents Limescale + Corrosion	 Dissolves Limescale	 Removes Debris Suspended in Water	 Seals Leaks + Weeping Joints
 Improves Heat Transfer	 Prevents Bacterial + Fungal Growth	 Use with Power Flushing Machines	 Non-Hazardous Formulation	 Bottle Made from 50% Recycled Plastic
 App Control via Mobile Device	 Minimum Operating Pressure	 Maximum Operating Pressure	 Minimum Operating Temperature	 Maximum Operating Temperature



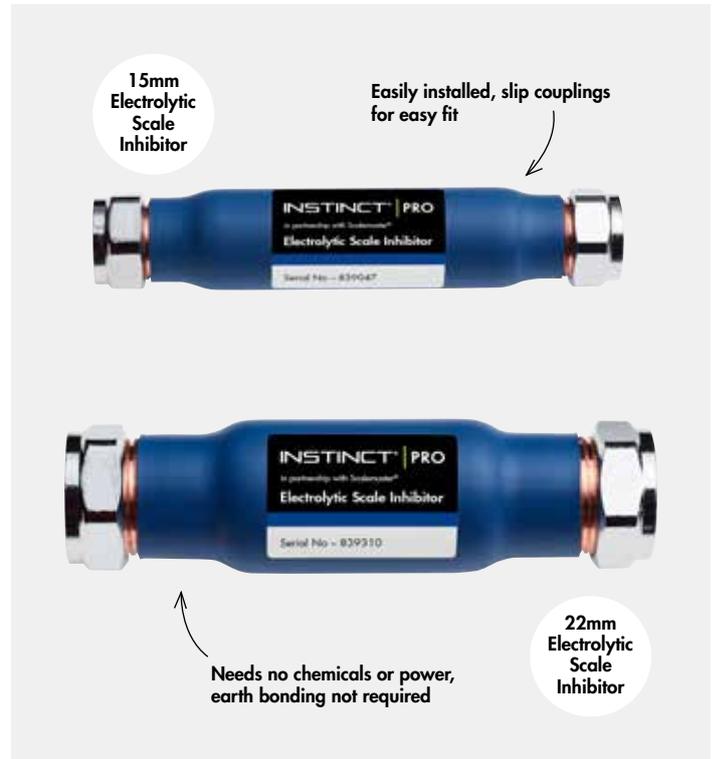
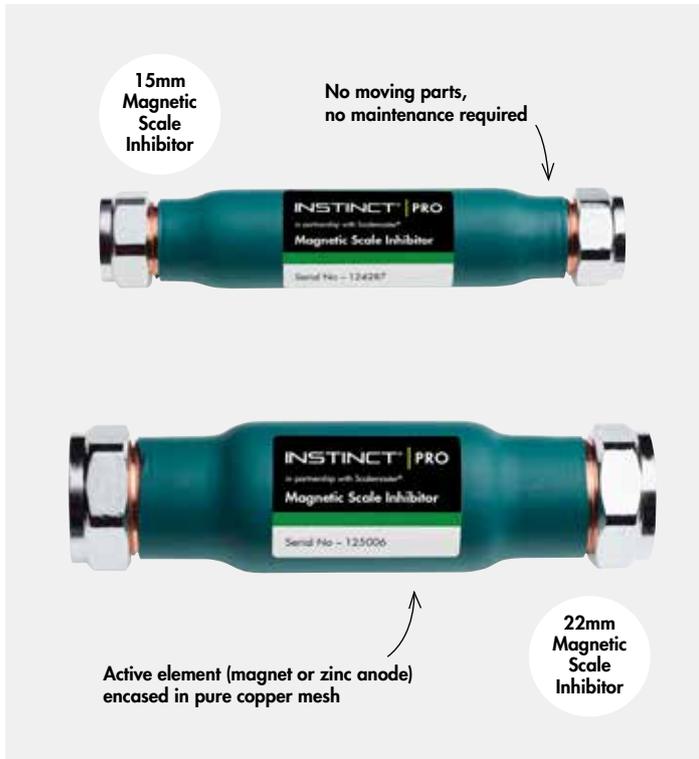
**Cost Saving Filter**

**22mm + 28mm Magnetic Filter (Isolation Valves)**  
Page 98

**Guarantees**

**2** Years on Scale Inhibitors      **1** Year on Trade Scale Inhibitor

# Scale Inhibitors



### Magnetic Scale Inhibitors

The range of Instinct Pro Scale Inhibitors are manufactured by Scalemaster® in the UK and incorporate the original Scalemaster® patented technology.

**Copper Mesh Enhances Limescale Inhibitor Performance**

Instinct Pro and Scalemaster® in-line limescale inhibitors incorporate an active element (magnet or zinc anode) encased in pure copper mesh. The mesh increases the surface area of copper in contact with the water passing through the unit which enhances the electrochemical effect (removal of dissolved oxygen and treatment to prevent limescale precipitation). Only Scalemaster® products use this technology (Patent No. 2285936) which has been proven in independent tests (by British Gas R&D) to extend boiler life typically by 50% by preventing scale build up in hard water areas. The copper mesh – zinc/magnet anode pair reduces the water flow rate through the unit by less than 1%.

**Features + Benefits**

- Easily installed**, slip couplings for easy fit
- No moving parts, **no maintenance required**
- Needs no chemicals or power**, earth bonding not required
- Made in the UK with Scalemaster® patented technology**

Single appliance protection

**Saves on energy costs**

Finish – Green  
 Dimensions –  
 130(l) x 28(d) mm (403328)  
 136(l) x 35(d) mm (403335)



**403328** 15mm Magnetic Scale Inhibitor  
**403335** 22mm Magnetic Scale Inhibitor

### Electrolytic Scale Inhibitors

The range of Instinct Pro Scale Inhibitors are manufactured by Scalemaster® in the UK and incorporate the original Scalemaster® patented technology.

**Copper Mesh Enhances Limescale Inhibitor Performance**

Instinct Pro and Scalemaster® in-line limescale inhibitors incorporate an active element (magnet or zinc anode) encased in pure copper mesh. The mesh increases the surface area of copper in contact with the water passing through the unit which enhances the electrochemical effect (removal of dissolved oxygen and treatment to prevent limescale precipitation). Only Scalemaster® products use this technology (Patent No. 2285936) which has been proven in independent tests (by British Gas R&D) to extend boiler life typically by 50% by preventing scale build up in hard water areas. The copper mesh – zinc/magnet anode pair reduces the water flow rate through the unit by less than 1%.

**Features + Benefits**

- Easily installed**, slip couplings for easy fit
- No moving parts, **no maintenance required**
- Needs no chemicals or power**, earth bonding not required
- Made in the UK with Scalemaster® patented technology**

Whole house protection

**Saves on energy costs**

Finish – Blue  
 Dimensions –  
 130(l) x 28(d) mm (403342)  
 136(l) x 32(d) mm (403359)



**403342** 15mm Electrolytic Scale Inhibitor  
**403359** 22mm Electrolytic Scale Inhibitor



### Trade Magnetic Scale Inhibitor

Finish – White  
 Dimensions –  
 120(l) x 20(d) mm (without connections)  
 160(l) x 20(d) mm (with connections)



**403274** 15mm Trade Magnetic Scale Inhibitor

# Water Softeners (Electric)

## Guarantees

**5** Years Parts    **3** Years Labour on BWT Softlux Water Softeners    **1** Year on BWT Bon Aqua Water Softeners

### Softlux Water Softeners



#### BWT Softlux 10 Litre Water Softener

##### Features + Benefits

For homes up to 4 people where space is at a premium

Electronic control system, softener adapts to your Lifestyle, **Tablet or Block Salt\* can be used (\*SL10P only)**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 532(h) x 270(w) x 480(d) mm

Water used per regeneration – <75Litres



**SL10** With 15mm Install Kit

**SL10P** With 22mm Install Kit (with 22mm Hi-Flow Hoses)



#### BWT Softlux 20 Litre Water Softener

##### Features + Benefits

For larger homes up to 8 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet Salt can be used**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 804(h) x 270(w) x 480(d) mm

Water used per regeneration – <125Litres



**SL20** With 15mm Install Kit



#### BWT Softlux 14 Litre Water Softener

##### Features + Benefits

For homes up to 6 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet or Block Salt\* can be used (\*SL14P only)**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 602(h) x 270(w) x 480(d) mm

Water used per regeneration – <80Litres



**SL14** With 15mm Install Kit

**SL14P** With 22mm Install Kit (with 22mm Hi-Flow Hoses)



#### BWT Softlux 25 Litre Water Softener

##### Features + Benefits

For larger homes up to 10 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet Salt can be used**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 804(h) x 270(w) x 480(d) mm

Water used per regeneration – <145Litres



**SL25** With 15mm Install Kit

### Bon Aqua Water Softeners



#### BWT Bon Aqua 10 Litre Water Softener

##### Features + Benefits

For homes up to 4 people with multiple bathrooms

Meter controlled, **Tablet Salt can be used**

Finish – Orange + Black

Dimensions – 532(h) x 270(w) x 480(d) mm

Water used per regeneration – <75Litres



**CILSOFT45** With 15mm Install Kit

**CILSOFT45-NK** Without 15mm Install Kit



#### BWT Bon Aqua 15 Litre Water Softener

##### Features + Benefits

For homes up to 6 people with multiple bathrooms

Meter controlled, **Tablet Salt can be used**

Finish – Orange + Black

Dimensions – 602(h) x 270(w) x 480(d) mm

Water used per regeneration – <80Litres



**CILSOFT55** With 15mm Install Kit

**CILSOFT55-NK** Without 15mm Install Kit

**Guarantees**

**2** Years  
on Scalemaster® Water Softeners

# Water Softeners (Non-Electric)

**Scalemaster® Water Softeners**



**Scalemaster® Softline SL-S Water Softener**

**Features + Benefits**

For homes up to 2 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Black + Blue

Dimensions – 492(h) x 235(w) x 425(d) mm

Water used per regeneration – <25Litres



**900292** Single Tank



**Scalemaster® Softline SL-150 Water Softener**

**Features + Benefits**

For homes up to 2 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No electricity or separate installation kit required

Finish – Black + Blue

Dimensions – 470(h) x 240(w) x 483(d) mm

Water used per regeneration – <18Litres



**900100** Single Tank (15mm Standard)  
**900131** Single Tank (22mm Hi-Flow)



**Scalemaster® Softline SL-Twin Water Softener**

**Features + Benefits**

Twin Tank design gives continuous, uninterrupted soft water

For homes up to 3 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Grey + Black

Dimensions – 495(h) x 205(w) x 475(d) mm

Water used per regeneration – <23Litres



**900322** Twin Tank



**Scalemaster® Softline SL-X Water Softener**

**Features + Benefits**

For homes up to 4 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Black + Blue

Dimensions – 576(h) x 343(w) x 547(d) mm

Water used per regeneration – <25Litres



**900308** Single Tank



**Scalemaster® 15mm Standard Installation Kit**

Finish – White + Black

Dimensions – 323(h) x 137(w) x 315(d) mm

**900803** 15mm Standard Installation Kit



**Scalemaster® 22mm Hi-Flow Installation Kit**

Finish – Blue + Black

Dimensions – 323(h) x 137(w) x 315(d) mm

**900810** 22mm Hi-Flow Installation Kit

# INSTINCT® | PRO

in partnership with Scalemaster®

Complete  
Range  
Available

## The perfect concentration for reliable results



[www.instinctproducts.co.uk](http://www.instinctproducts.co.uk)

# Chemicals

## Introducing the range

Alongside Scalemaster®, a leading supplier of quality water treatment products for over 30 years, Instinct Pro has continued its commitment to product innovation, energy efficiency and the environment with a range of chemical solutions for heating systems.

All 250ml bottles are manufactured from 50% recycled High Density Polyethylene (HDPE)

All 250ml bottles are fully recyclable due to the white caps & security rings

All 250ml bottles will treat a 100 Litre (10 Rad) system

All 250ml bottles are Non-Hazardous formulations

250ml IN-100 Corrosion Inhibitor is NSF CIAS Approved

Ideal for dosing through a system filter

IN-100 in box quantities of 20, all other 250ml products in the range in mixed boxes of 20



Bottles Made from 50% Recycled Plastic



Manufactured in Great Britain



scan me



**IN-100 Concentrate Corrosion Inhibitor**



scan me



**IN-200 Concentrate Boiler Noise Silencer**



scan me



**IN-300 Concentrate System Cleaner**



scan me



**IN-400 Concentrate Sludge Remover**



scan me



**IN-500 Concentrate Leak Sealer**



scan me



**IN-600 Concentrate Heat Optimiser**



scan me



**IN-700 Concentrate System Biocide**



scan me



**IN-800 Concentrate Power Cleaner**

# Chemicals

## Heating System Chemicals

### IN-100 Corrosion Inhibitor

**Features + Benefits**

Prevents corrosion, hard water limescale precipitation

Essential for protecting hot water heating systems and maintaining operational efficiency

The 5 Litre Bottle (504582) is concentrated and will dose 2000 Litres

**Dimensions –**

250(h) x 55(w) x 55(d) mm (504513)

137(h) x 72(w) x 49(d) mm (504223)

275(h) x 175(w) x 125(d) mm (504582)



504513	300ml Aerosol
504223	250ml Bottle
504582	5 Litre Bottle (Concentrated)



### i-Test

**Features + Benefits**

Provides full annual testing compliance with BS7593:2019 in under 5 minutes.

Works with all chemical inhibitors

Dimensions – 108(h) x 145(w) x 50(d) mm

506104	Kit
506111	10 Replacement Probes
506128	50 Replacement Probes



### Rapid Inhibitor Test Strips

**Features + Benefits**

Rapid testing of central heating inhibitor concentration

Works with Instinct inhibitors and all other Nitrate based inhibitors

Dimensions – 85(h) x 45(w) x 40(d) mm

504803	50 Test Strips
--------	----------------

## Environmentally Friendly

All Instinct Pro Heating System Chemicals are manufactured in the UK by Scalemaster® in a concentrate form, minimising shipping.

All 250ml bottles are manufactured from 50% recycled High Density Polyethylene (HDPE) and are fully recyclable due to the white caps and security rings.

### IN-300 System Cleaner

**Features + Benefits**

For commissioning new heating systems

Removes installation foulants, flux, grease and debris suspended in water by flushing.

Should be left in system minimum 2 hours, maximum 2 weeks

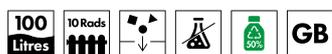
The 5 Litre Bottle (504599) is concentrated and will dose 2000 Litres

**Dimensions –**

250(h) x 55(w) x 55(d) mm (504520)

137(h) x 72(w) x 49(d) mm (504247)

275(h) x 175(w) x 125(d) mm (504599)



504520	300ml Aerosol
504247	250ml Bottle
504599	5 Litre Bottle (Concentrated)



# Chemicals

## Heating System Chemicals

### IN-500 Leak Sealer

**Features + Benefits**

For the internal sealing of inaccessible leaks and weeping joints

**Forms a soft seal within 24 hours**

Will not cause blockages in circulatory pumps or air vents

Dimensions –  
250(h) x 55(w) x 55(d) mm (504537)  
137(h) x 72(w) x 49(d) mm (504261)



504537 300ml Aerosol

504261 250ml Bottle



### Leak Sealer Paste

Dimensions – 140(h) x 35(w) x 25(d) mm

504384 50g



### IN-200 Boiler Noise Silencer

Dimensions – 137(h) x 72(w) x 49(d) mm

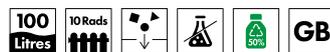


504230 250ml Bottle



### IN-400 Sludge Remover

Dimensions – 137(h) x 72(w) x 49(d) mm



504254 250ml Bottle



### IN-600 Heat Optimiser

Dimensions – 137(h) x 72(w) x 49(d) mm



504278 250ml Bottle



### IN-700 System Biocide

Dimensions – 137(h) x 72(w) x 49(d) mm



504285 250ml Bottle



### IN-800 Power Cleaner

Dimensions – 137(h) x 72(w) x 49(d) mm



504292 250ml Bottle



### Chemical Filling Kit

**Features + Benefits**

For use with 250mm x 5 litre bottles, fits all 38mm (38/23) neck bottles

**Allows visual checks on flow of liquid**

Acute tube bend radius prevents kinks and allows use in tight spaces

Dimensions – 144(h) x 42(w) x 42(d) mm

701332

# Chemicals

## Miscellaneous Chemicals



### Heavy Duty Drain Cleaner

#### Features + Benefits

Strong solution which **clears drains of grease, oils, fat and hair rapidly**

Can be used in domestic and commercial applications

Dimensions – 248(h) x 84(w) x 84(d) mm



504780

1 Litre Bottle



### Drain + Toilet Cleaner (Enzyme Based)

#### Features + Benefits

Effective enzyme-based treatment to **clean and eliminate unwanted odours**

**Non-acidic, non-caustic, non-bleach and biodegradable**

Dimensions – 261(h) x 95(w) x 60(d) mm



504636

750ml Bottle



### Sink + Drain Unblocker (Enzyme Based)

#### Features + Benefits

Effective enzyme-based treatment for **unblocking sinks and drains**

**Non-acidic, non-caustic, non-bleach and biodegradable**

Dimensions – 248(h) x 84(w) x 84(d) mm



504629

1 Litre Bottle



### General Purpose Descaler

#### Features + Benefits

Multi-purpose, biodegradable, phosphate-free, rapid action de-scaler, no nasty odours

**Saves energy**

Dimensions – 143(h) x 55(w) x 55(d) mm



504612

250ml Bottle



### Inhibited Antifreeze (Concentrated)

#### Features + Benefits

Long term **protection against corrosion and limescale**

Use in central heating systems, underfloor heating, heat pumps and solar panels

Dimensions –  
275(h) x 175(w) x 125(d) mm (504742)  
440(h) x 275(w) x 235(d) mm (504759)



504711

5 Litre Bottle

504728

25 Litre Bottle



### Towel Rail Antifreeze (Pre-Mixed)

#### Features + Benefits

Protects against burst pipes down to **-29°C**

Includes added corrosion and limescale inhibitors

Dimensions – 248(h) x 84(w) x 84(d) mm



504773

1 Litre Bottle



Works with  
all chemical  
inhibitors

# Real-time measurement of corrosion inhibitor protection, on-site, in under 5 minutes!

(For annual testing compliance with BS7593:2019)



Take a closer look at the  
i-Test features video,  
scan to find out more



Phone not included.

# Powder Chemicals

## Guarantees

**1** Year  
 on BWT Power Crystals

**new**
**3 Sachets  
 = 1 Dose**


### BWT Power Crystals Cleaner

BWT Power Crystals are a quick and effective cleaner for all types of wet central heating systems. They offer the power of a liquid in an easy to carry sachet of crystals. Their powerful formula make them ideal for quick and more intensive cleaning when required. They have been developed to remove all debris, sludge, and scale from new and existing closed loop systems. A cleaner system will help restore your heating systems efficiency and reduce boiler noise.

#### Features + Benefits

Suitable for closed loop, wet central heating systems

Reduced risk from manual handling and reduced risk of contamination from spills (compared to similar liquid products)

#### Resistant to high and low temperatures

1 dose treats heating systems up to 150 litres

#### Descales, deoxidises and removes sludge

#### Fast, clean and convenient to use

#### Easy to transport, carry, and store

Perfect for new and existing systems

Less plastic, packaging and carbon foot print (per treatment)

Up to 50% more cleaning capacity per pack\*

Slow and fast clean in one



#### POWERCRYSTALSCLEANER

Power Crystals Cleaner (3 Sachets Per Pack)

\*based on the size of system to be treated when compared to similar products

**new**
**Prevents  
 Limescale**


### BWT Power Crystals Protector

BWT Power Crystals are a quick and effective inhibitor and system protector suitable for all types of wet central heating systems. They offer the protection power of a liquid in an easy to carry sachet of crystals. Their powerful formula make them ideal for systems up to 150 litres from a single dose. They have been developed to protect new and existing closed loop systems from scale and corrosion. A cleaner system will help maintain your heating systems efficiency and reduce system noise giving you peace of mind and a warmer home.

#### Features + Benefits

Suitable for closed loop, wet central heating systems

Reduced risk from manual handling and reduced risk of contamination from spills (compared to similar liquid products)

#### Helps prevent limescale, corrosion and sludge

#### Fast, clean and convenient to use

#### Easy to transport, carry, and store

Perfect for new and existing systems

Less plastic, packaging and carbon foot print (per treatment)

Up to 50% more volume protection per pack\*

No risk of messy spills



#### POWERCRYSTALPROTECTOR

Power Crystals Protector

\* based on the size of system to be treated when compared to similar products

# Switch things up. Isolate the mains with the flick of a switch.



**surestop**®

Solution for vulnerable tenants  
and people with reduced mobility

Easy to install. No electrical  
supply required

**[surestop.co.uk](http://surestop.co.uk)**

# Magnetic Filters



## 22mm + 28mm Magnetic Filter (Isolation Valves)

The Instinct ECO-Mag magnetic central heating filter is the ideal solution to help combat against costly and unnecessary system breakdowns caused by both magnetic and non ferrous particulate in fluid based systems. 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.

### Features + Benefits

Magnetic filter, non ferrous filter and manual air separator **actively filters magnetite and non ferrous debris**

12000 gauss removable magnet

500ml large dosing pot capacity enables installers to **quickly dose without having to drain down the whole system**

Manual air bleed, 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

Supplied with a full set of spare sealing washers and O-rings

Full bore isolating ball valves on inlet and outlet connections ensures that full flow is always achieved to maintain system performance

**Can be installed anywhere, in any orientation on the pipework saving the installer time and money**

Finish – Black

Dimensions –

242(h) x 232(w) x 157(d) mm (INMAG22)

242(h) x 245(w) x 157(d) mm (INMAG28)



INMAG22 22mm Magnetic Filter (Isolation Valves)

INMAG28 28mm Magnetic Filter (Isolation Valves)

MAGFILTOOL Spanner for INMAG Magnetic Filters

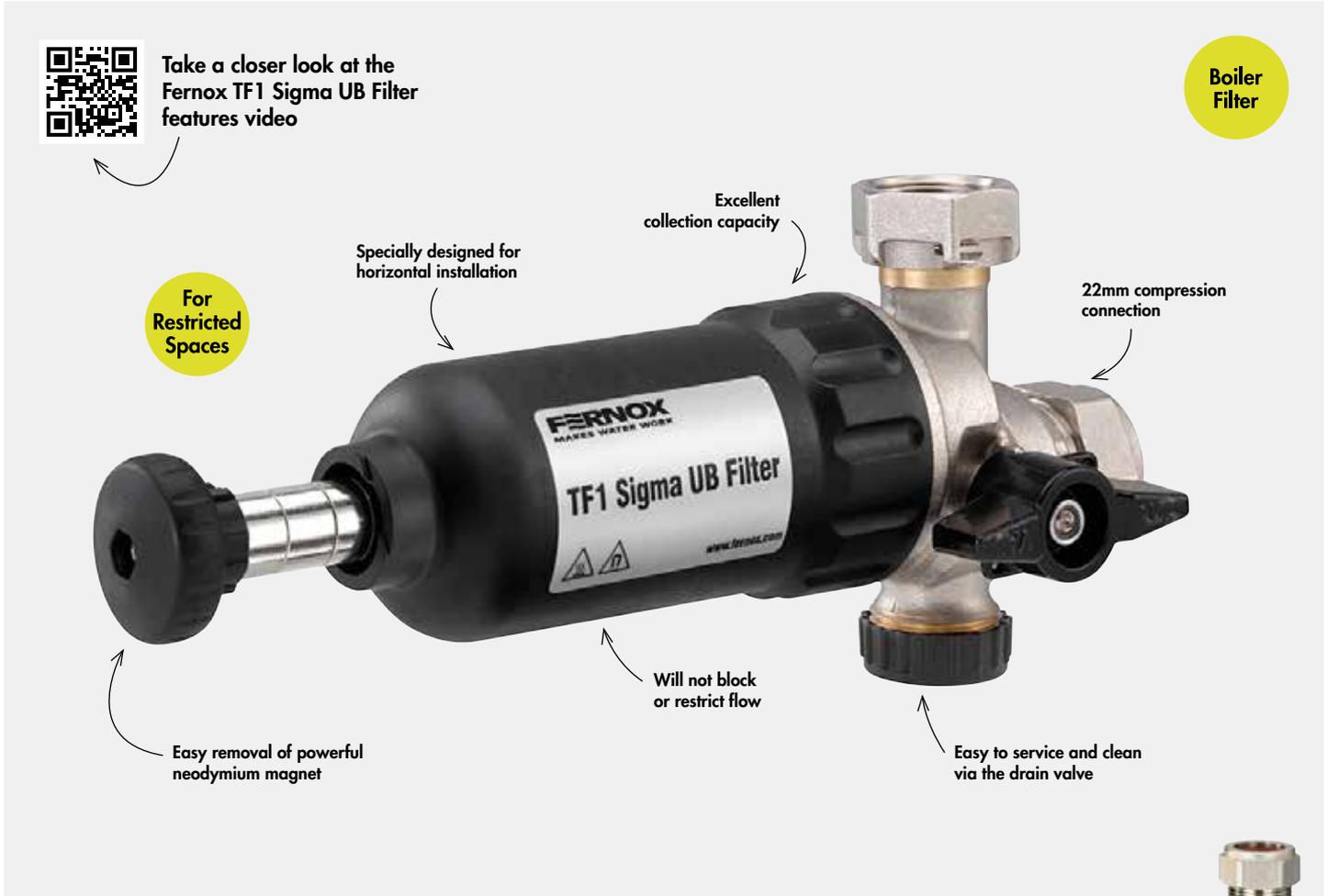


Water is guided through the components of the Inta magnetic filter to achieve maximum filtration with each pass of the circuit.

**Guarantees**

**10** Years on Fernox Magnetic Filter

# Magnetic Filters



**Fernox TF1 Sigma UB Filter (Suitable with Ideal Instinct<sup>2</sup> Combi Boilers)**

Composite under boiler system filter with a brass manifold designed for easy installation in small, restricted areas and with concealed pipework. This high-performance filter can be installed directly under the boiler or in restricted spaces due to the compact, versatile design. The TF1 Sigma UB Filter offers the ultimate in installer choice and provides high efficiency protection against the build-up of system debris.

The Filter has been designed to ensure there is minimal pressure loss in addition to maintaining a high collection efficiency. The filter has been designed to capture a range of system contaminants, whilst also ensuring it cannot block, reduce flow through pipework or impact the performance of the heating system.

The TF1 Sigma UB Filter utilises a range of high-quality component parts that ensure the filter offers optimum performance. The three-way ball valve has been designed to allow users to easily operate by hand, whilst also providing a reliable serving procedure. The filter manifold includes a secure connection to the system and a robust service point allowing the filter to be drained and cleaned. The magnet is made using premium grade neodymium, enabling a high efficiency capture rate, as well as a robust filtration medium that will ensure a continued and consistent level of collection.

**Features + Benefits**

A high capacity, **compact design**

**Ideal for use in restricted spaces**

Integrated three way valve with filter isolation and cleaning functionality

**Durable and robust construction**, made from a high-quality glass reinforced engineering polymer, and non-porous forged brass

Will not block or restrict flow

Can replace return valve if required for ease of maintenance

Finish – Black

Dimensions – 88(h) x 189(w) x 73(d) mm



62631

Fernox TF1 Sigma UB Filter 22mm



**Fernox TF1 Sigma Mini Filter (Suitable with Ideal Instinct<sup>2</sup> Combi Boilers)**

The TF1 Sigma Mini is a compact high-performance system filter that utilises a powerful neodymium magnet to protect your system against the damaging effects of corrosion. The TF1 Sigma Mini has one of the smallest footprints of any filter in the marketplace, which means it can be easily installed directly below a boiler or in restricted spaces on horizontal or vertical pipework.

**Features + Benefits**

**One of the most compact filters in the market, specifically designed for restricted spaces with as little as 105mm clearance**

**Easy and quick to install**

Designed to ensure there is minimal pressure head loss in addition to maintaining a high collection efficiency, whilst ensuring the filter cannot block

**Mess-free, fast and easy servicing** via the filter drain point, without the need to dismantle component parts

Finish – Black

Dimensions – 75(h) x 173(w) x 128(d) mm



62708

Fernox TF1 Sigma Mini 22mm