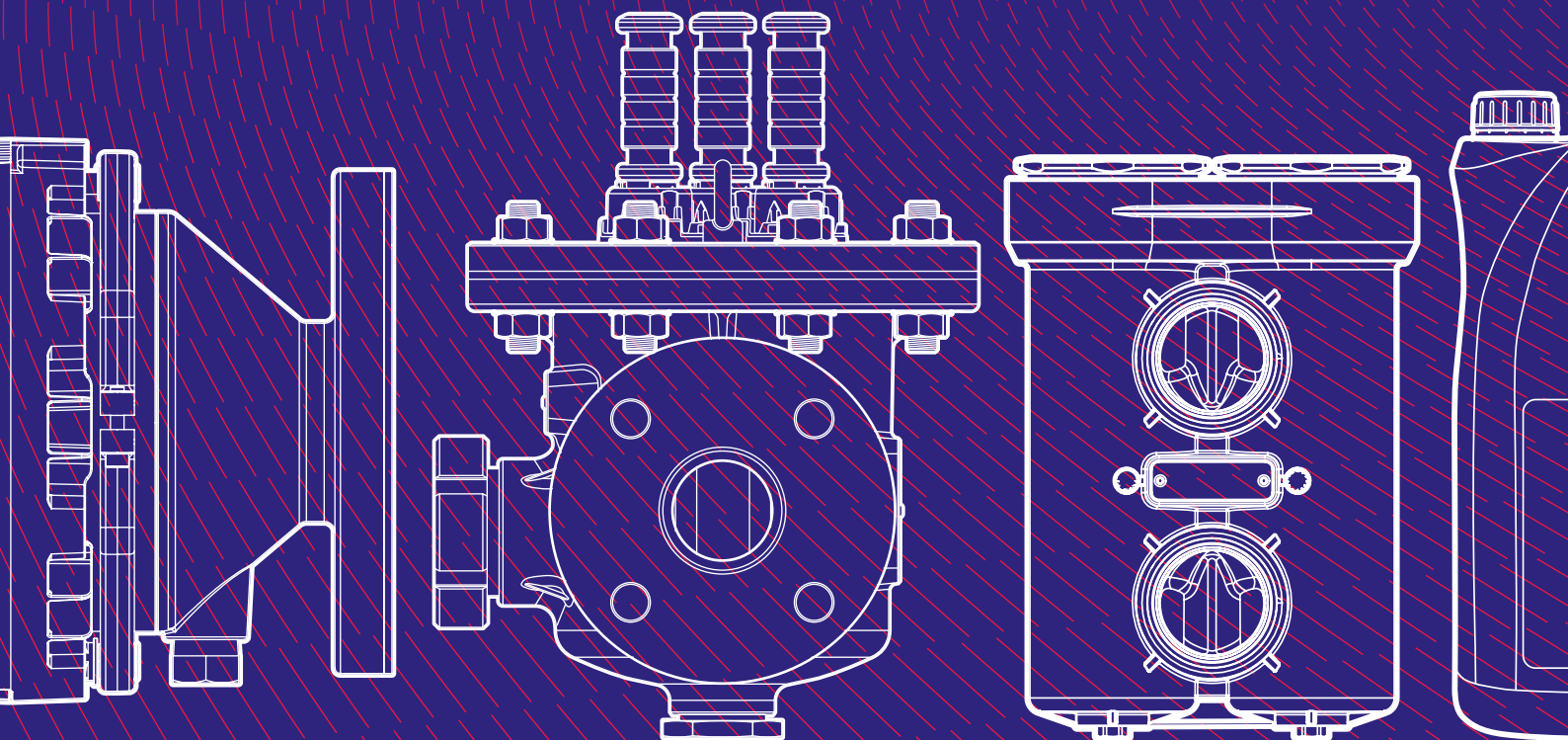




Commercial product range





Whether it's market leading filters or award-winning chemicals, we design and manufacture effective solutions for protecting the nation's heating systems.



Contents

ADEY® Commercial Best Practice	4
Filters	
Commercial filter introduction	6
<i>MagnaClean Commercial®</i>	8
<i>MagnaClean DRX®</i>	16
<i>MagnaClean DualXP®</i>	22
Chemicals	
Commercial chemicals introduction	27
<i>MC1+® Central Heating System PROTECTOR</i>	28
<i>MC3+® Central Heating System CLEANER</i>	29
<i>MC5® RapidFlush System CLEANER</i>	30
<i>MC40+™ Central Heating System CLEANER AND DESCALER</i>	31
<i>MC10+® Central Heating System BIOCIDES</i>	32
<i>MCZERO® Central Heating System ANTI-FREEZE</i>	33
<i>MCZERO+™ Central Heating System Inhibited ANTI-FREEZE</i>	34
Commercial Water Testing	35

ADEY® Commercial Best Practice

ADEY®, the market leaders in domestic heating system maintenance and water treatment, have developed a range of products to help you deliver effective heating system protection. ADEY's Commercial Best Practice approach promotes the process of Clean, MagnaClean®, Protect, Test and Maintain.

ADEY's range of commercial filters includes the MagnaClean DualXP, MagnaClean DRX and the MagnaClean Commercial for light and heavy commercial heating systems to heavy industrial applications.

ADEY's UKAS accredited laboratory sets the highest standards for water testing within the HVAC industry, producing premium reports on water quality.



Clean

ADEY Cleaners remove damaging black iron oxide, debris and scale which would otherwise collect in the system and could lead to system breakdown, reduced efficiency and higher maintenance costs.

MC3+ Central Heating System Cleaner - page 29

MC5 RapidFlush System Cleaner - page 30



MagnaClean

Installation of a MagnaClean removes iron oxide ensuring ongoing system protection, extending the life of the boiler.

MagnaClean Filters - page 6



Protect

The increased strength high performance inhibitor protects against system corrosion and lime scale deposition, maintaining heating efficiency and boiler performance.

MC1+ Central Heating System Protector - page 28



Test

ADEY's commercial water testing service offers customers fast and reliable analysis of chemical and microbiological water samples.

The comprehensive service provides customers with piece of mind that samples are processed efficiently through the laboratory.



Maintain

System maintenance is essential for ongoing heating protection and efficiency. The heating system and the *MagnaClean* filter should be serviced as required. Ensure a water quality analysis is conducted using ADEY's Commercial Water Test Kit, to ensure full system efficiency. For ongoing protection dose with ADEY's *MC1+* Inhibitor.

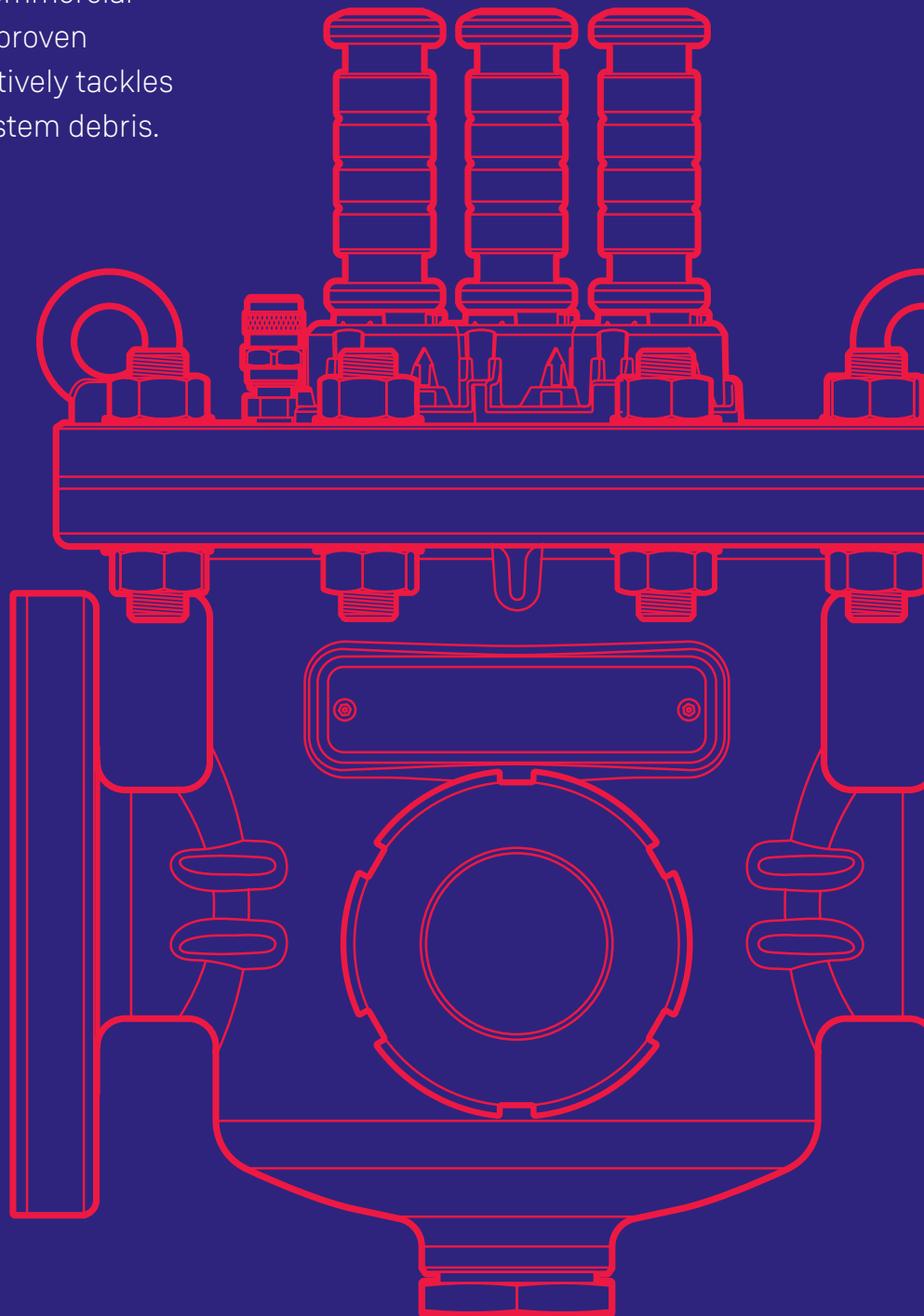


MagnaClean filters

Commercial heating system efficiency is critical and ADEY's range of commercial products delivers results. The proven *MagnaClean* technology effectively tackles black iron oxide sludge and system debris.

Due to the incredibly small particle size of black iron oxide, truly effective filtration can only be achieved by using a strong magnetic core as the primary filtration method. This process will work regardless of the size of particles passing through the heating system.

ADEY recognises that consultants, specifiers and contractors want to offer quality products and peace of mind for any long-term investment. This is why ADEY have a commitment to providing the highest quality components in every product.



Industrial applications

ADEY's commercial products have been developed for light commercial use and heavy industrial applications in the following sectors:

Industrial – factories and production plants

Commercial – office blocks, public and amenity buildings

Residential – high-rise apartments, flats, large houses and estates

Health – hospitals, care centres, practices, etc

Leisure – sports centres, swimming pools, holiday complexes, hotels and cinemas

Education – universities, colleges and schools

Community – municipal buildings

The installation of a magnetic filter is most effective when accompanied by a comprehensive water treatment programme and dosing the system with ADEY's MC chemicals.

Building Information Modelling (BIM)

As part of government legislation to improve costs on build projects, regulation has been introduced that states that all products going into any government funded project should be compliant with 3D BIM models.

ADEY's range of commercial filters are all BIM Level 2 compliant, with the in-depth product information for the commercial range being made available at adey.com/bim-store

Continual Professional Development (CPD)

The ADEY 'Commercial Best Practice' course is supported by The Chartered Institute of Building Services Engineers (CIBSE) for its Commercial CPD. The one-hour seminar looks at the harmful effects of iron oxide on commercial systems and how these can be resolved with effective system maintenance and protection.



MagnaClean[®] Commercial

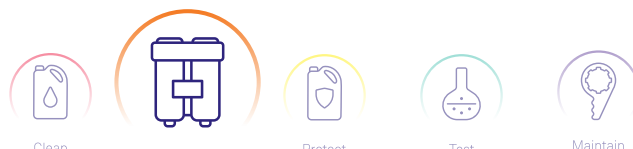
MagnaClean Commercial is a powerful range of magnetic filters designed to protect and maintain demanding light commercial heating systems through to heavy industrial applications. This technology removes black iron oxide sludge and debris which has proven to be an effective way to maintain and protect commercial heating systems.

MagnaClean Commercial is manufactured to EN 13445:2009 in five sizes to meet the demands of a broad cross section of applications.

Engineered to a high specification, the single cast mouldings are readily available in 2", 3", 4", 6" and 8" pipe dimensions with PN16 flanges. The quality of the filter cast bodies is verified by X-ray analysis. The product also comes supplied with EPDM full-flange gaskets for robust sealing at high temperatures.

Technical Benefits

- Exceptional magnetic capture of black iron oxide; up to 80% better when tested against traditional methods
- Helps restore heating system efficiency and performance; up to 30% more efficient
- Ongoing maintenance costs are reduced
- High quality neodymium magnets which can be individually removed to make servicing easier and safer
- Magnets remain attached to the filter during servicing, reducing risk of water ingress
- Construction conforms to Pressure Equipment Directive 97/23/EC
- Easy inspection of debris capture via sight glass
- Collects large and micro particles
- Compatible with all heating systems
- Simple installation and servicing
- Manufactured in the UK



Technical specifications

Commercial 2"

Casing

Material: 304L stainless steel

Drain point: 1¼" BSPP hole, 1¼" BSPT plug

Maximum working pressure: 10 bar

Maximum working temperature: 100°C

Total unit weight

2": 27.7kg

Magnets

High quality neodymium magnets which can be individually removed to make servicing easier and safer

Magnets remain attached to the filter during servicing, reducing risk of water ingress

Material: High power, NdFeB

Pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Flow flange

Size: PN16, supplied with EPDM gasket

Flange thickness: 18 mm

Bolt size: M16

Bolt quantity: 4

Bolt hole PCD: 125

Sight glass

Weld material: DIN1.4404 stainless steel

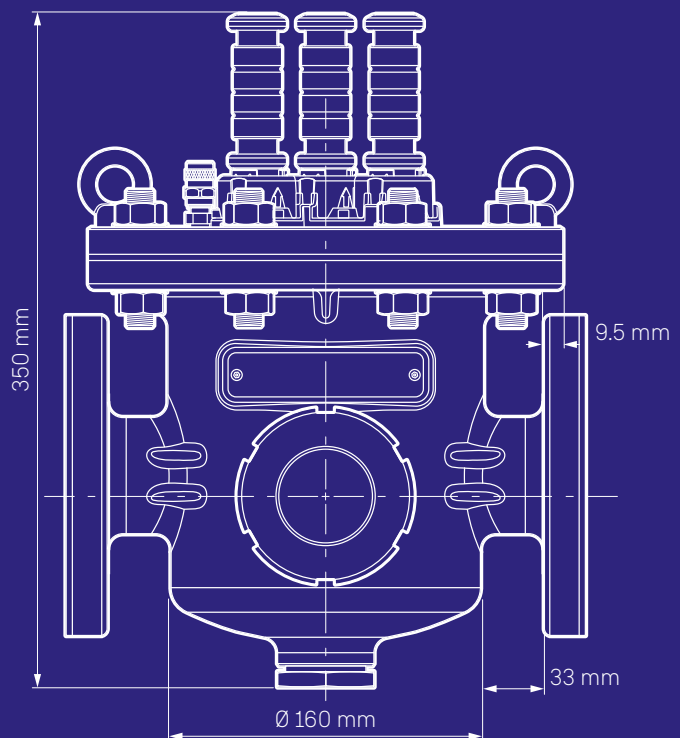
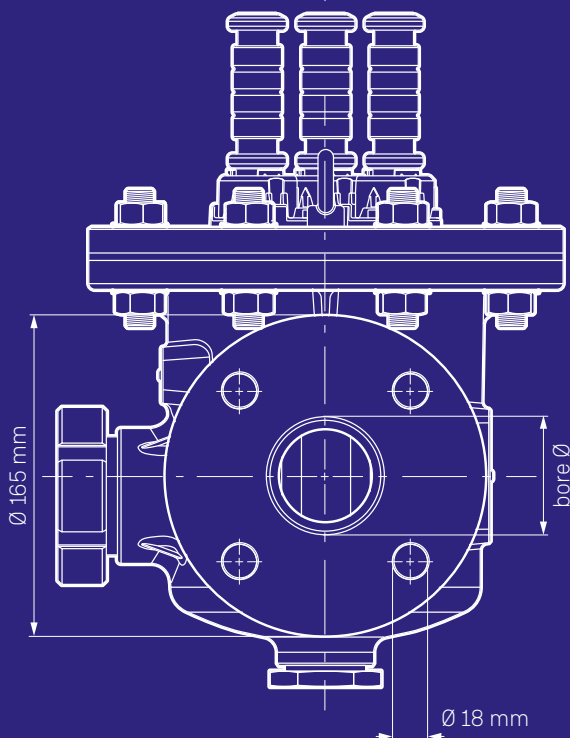
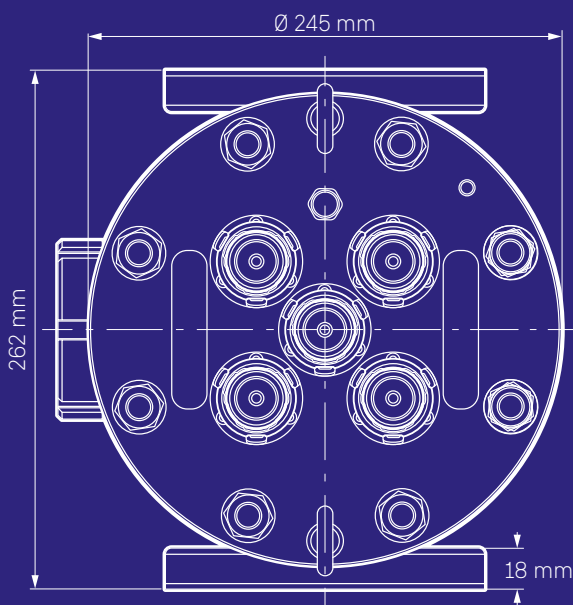
Collar nut: DIN1.4301/DIN1.4307 stainless steel

Glass: Toughened soda lime to BS3463

Product side seal: EPDM

Outer seal: Non-asbestos fibre (KILINGERsil C-4400)

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Technical specifications

Commercial 3"

Casing

Material: 304L stainless steel

Drain point: 1¼" BSPP hole, 1¼" BSPT plug

Maximum working pressure: 10 bar

Maximum working temperature: 100°C

Total unit weight

3": 40.1kg

Magnets

Material: High power, NdFeB

Pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Flow flange

Size: PN16, supplied with EPDM gasket

Flange thickness: 15 mm

Bolt size: M16

Bolt quantity: 8

Bolt hole PCD: 160

Sight glass

Weld material: DIN1.4404 stainless steel

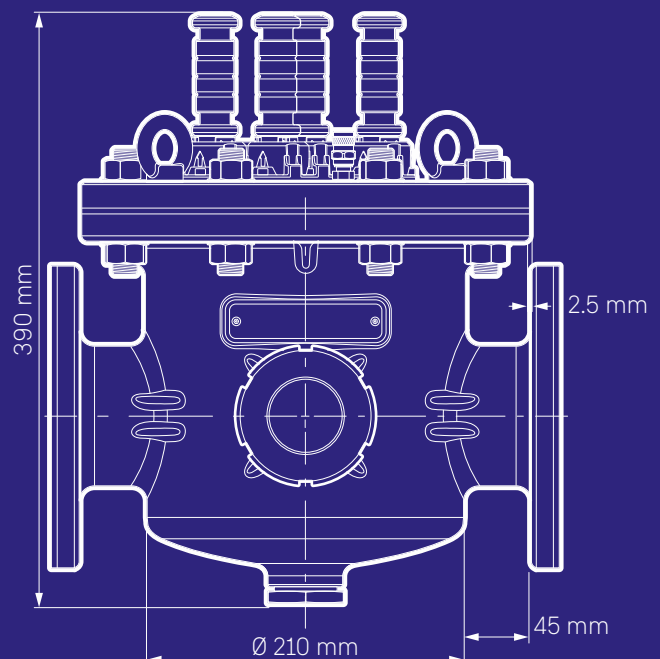
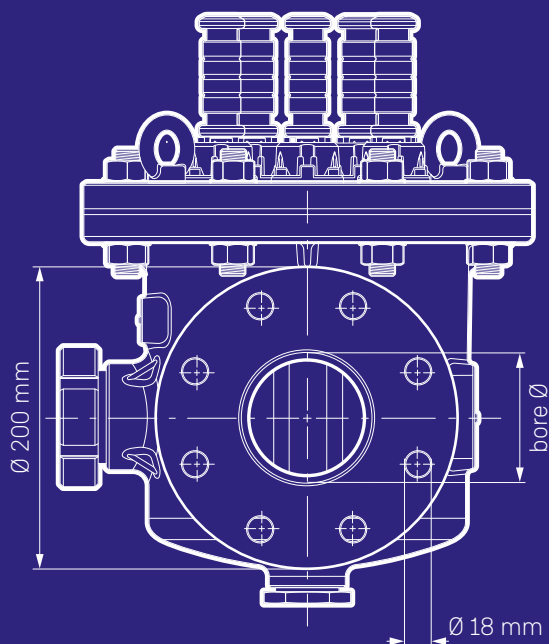
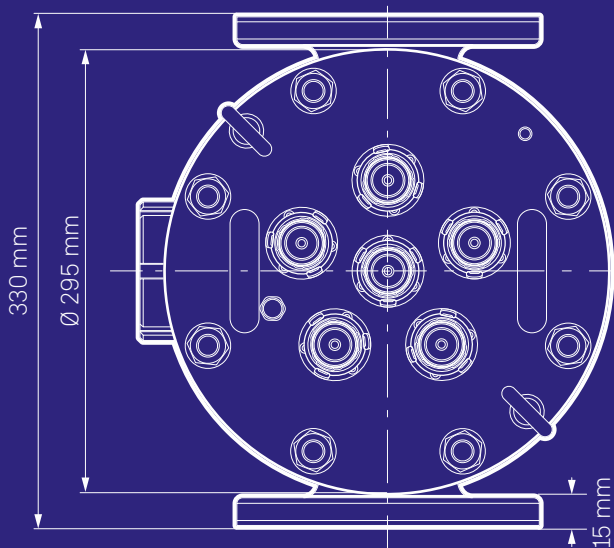
Collar nut: DIN1.4301/DIN1.4307 stainless steel

Glass: Toughened soda lime to BS3463

Product side seal: EPDM

Outer seal: Non-asbestos fibre (KILINGERsil C-4400)

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Technical specifications

Commercial 4"

Casing

Material: 304L stainless steel

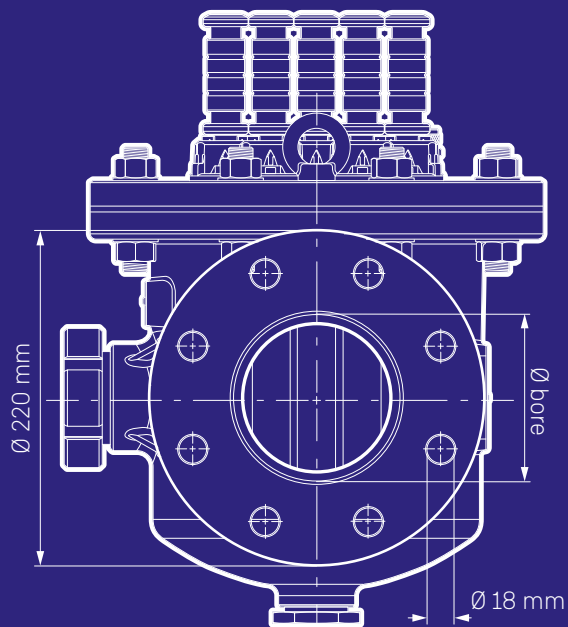
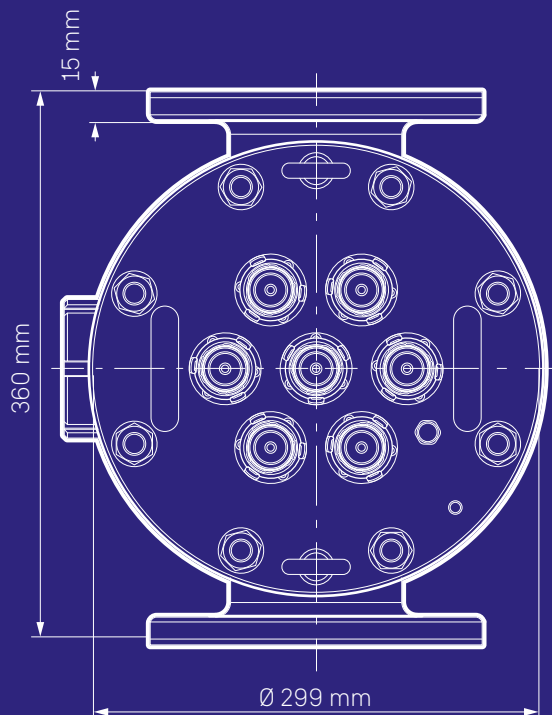
Drain point: 1¼" BSPP hole, 1¼" BSPT plug

Maximum working pressure: 10 bar

Maximum working temperature: 100°C

Total unit weight

4": 43.3kg



Magnets

Material: High power, NdFeB

Pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Flow flange

Size: PN16, supplied with EPDM gasket

Flange thickness: 15 mm

Bolt size: M16

Bolt quantity: 8

Bolt hole PCD: 180

Sight glass

Weld material: DIN1.4404 stainless steel

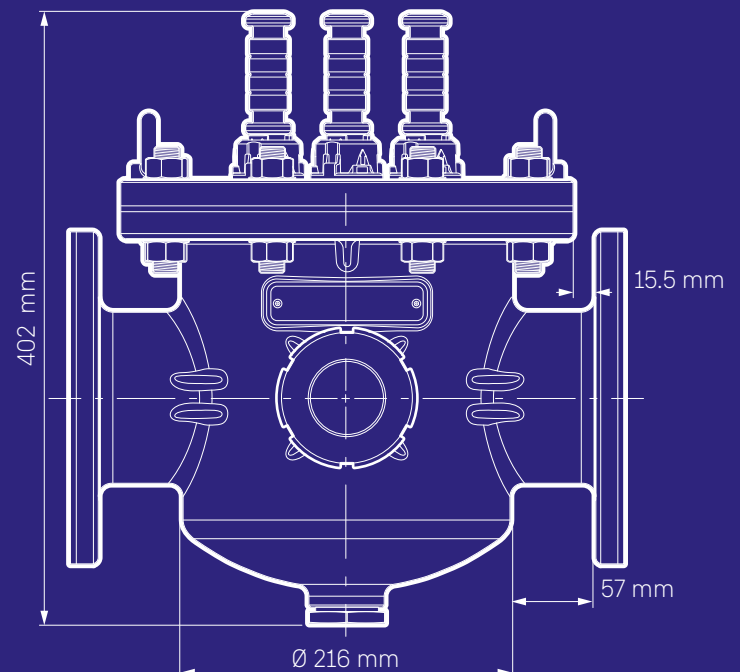
Collar nut: DIN1.4301/DIN1.4307 stainless steel

Glass: Toughened soda lime to BS3463

Product side seal: EPDM

Outer seal: Non-asbestos fibre (KILINGERsil C-4400)

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Technical specifications

Commercial 6"

Casing

Material: 304L stainless steel

Drain point: 1¼" BSPP hole, 1¼" BSPT plug

Maximum working pressure: 10 bar

Maximum working temperature: 100°C

Total unit weight

6": 91.2kg

Magnets

Material: High power, NdFeB

Pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Flow flange

Size: PN16, supplied with EPDM gasket

Flange thickness: 18 mm

Bolt size: M20

Bolt quantity: 8

Bolt hole PCD: 240

Sight glass

Weld material: DIN1.4404 stainless steel

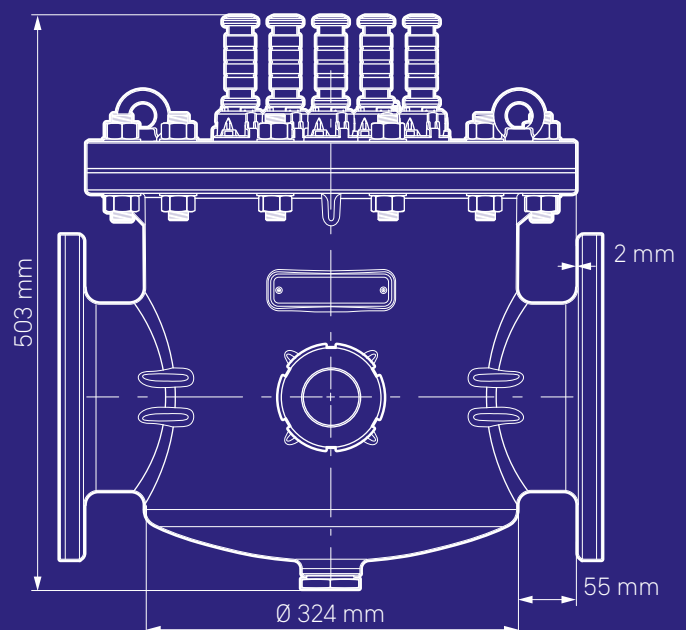
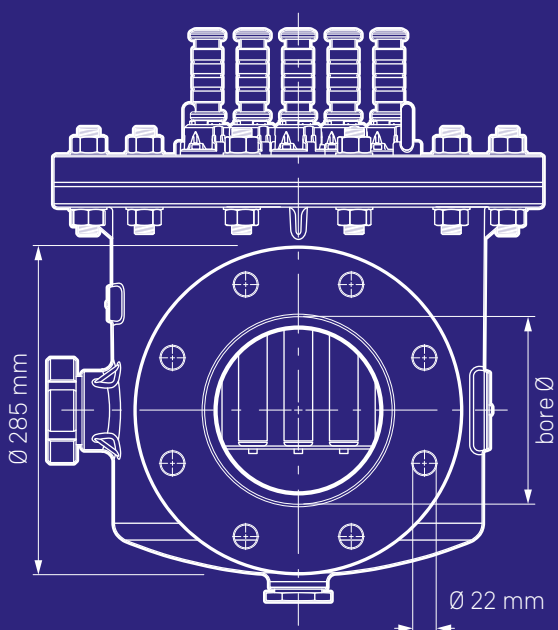
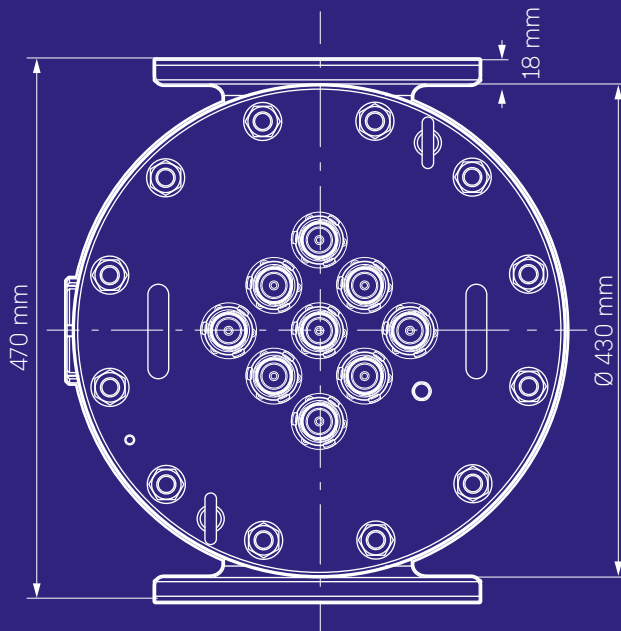
Collar nut: DIN1.4301/DIN1.4307 stainless steel

Glass: Toughened soda lime to BS3463

Product side seal: EPDM

Outer seal: Non-asbestos fibre (KILINGERsil C-4400)

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Technical specifications

Commercial 8"

Casing

Material: 304L stainless steel

Drain point: 1/4" BSPP hole, 1/4" BSPT plug

Maximum working pressure: 10 bar

Maximum working temperature: 100°C

Total unit weight

8": 101.3kg

Magnets

Material: High power, NdFeB

Pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Flow flange

Size: PN16, supplied with EPDM gasket

Flange thickness: 19 mm

Bolt size: M20

Bolt quantity: 12

Bolt hole PCD: 295

Sight glass

Weld material: DIN1.4404 stainless steel

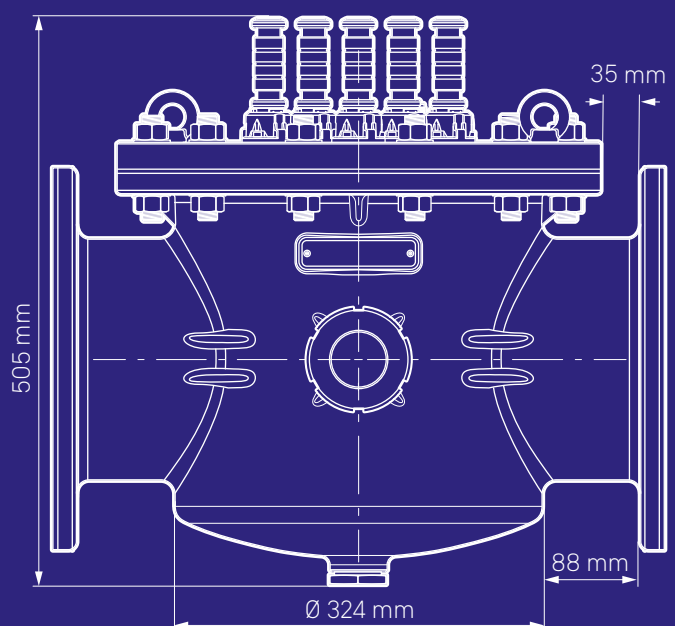
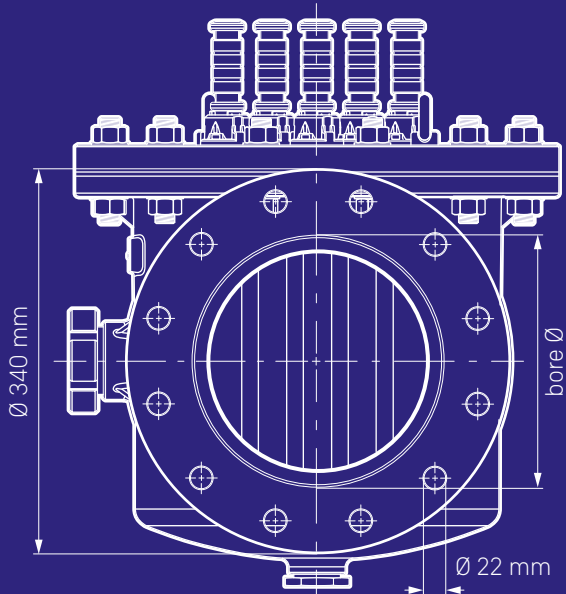
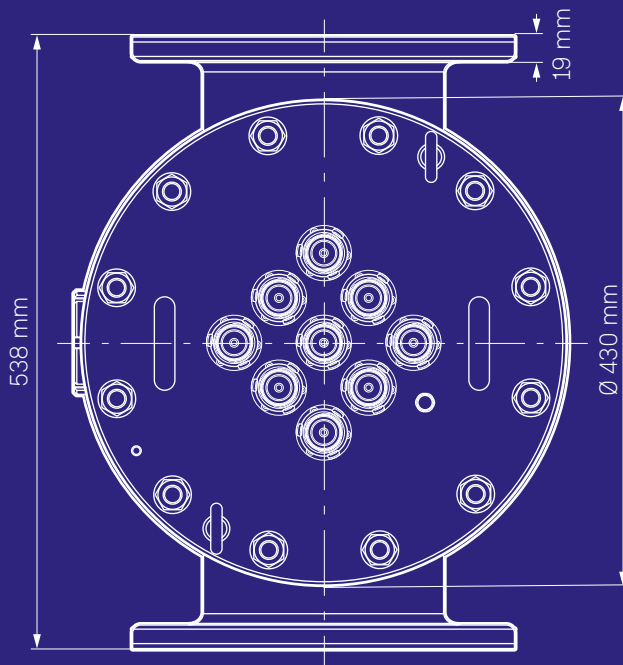
Collar nut: DIN1.4301/DIN1.4307 stainless steel

Glass: Toughened soda lime to BS3463

Product side seal: EPDM

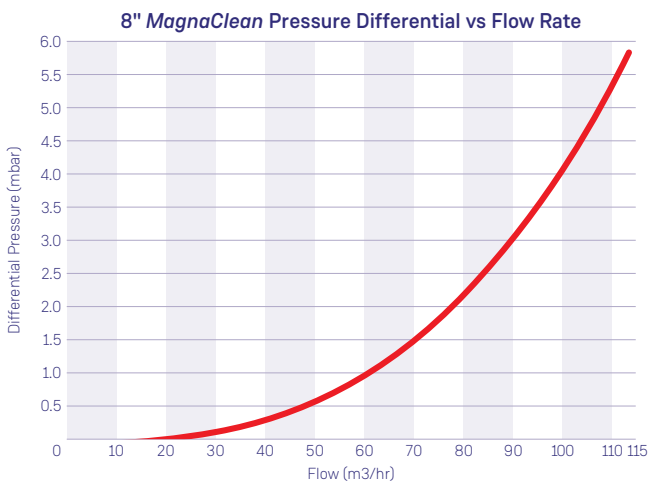
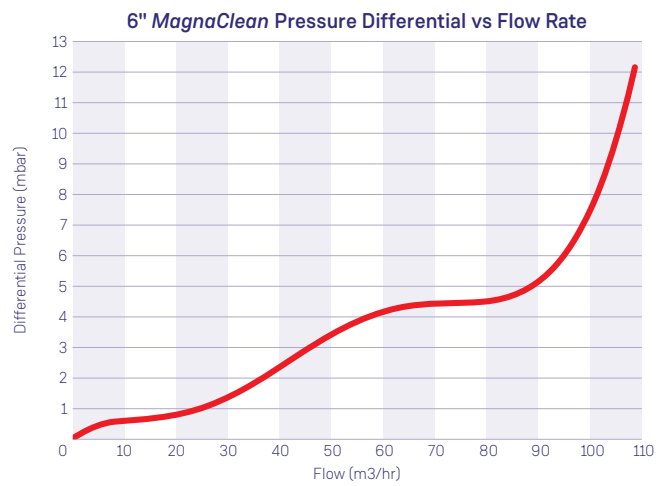
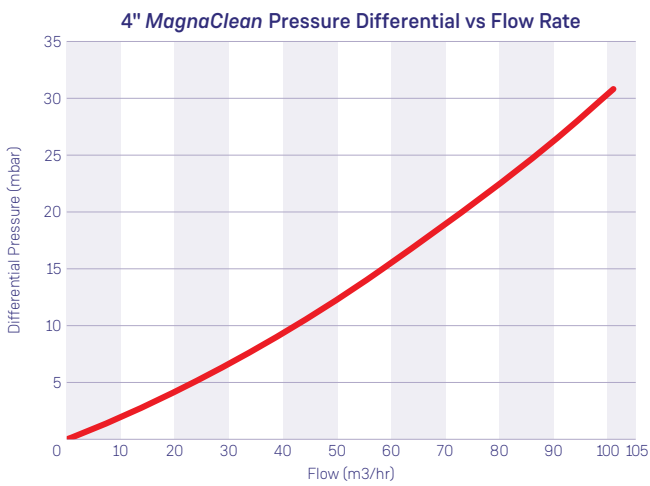
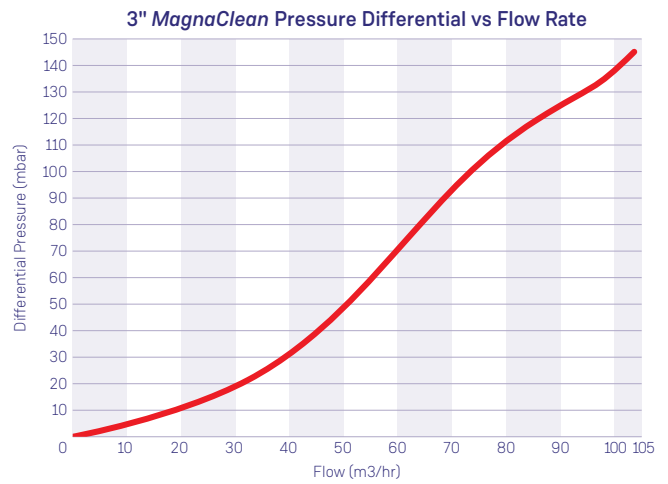
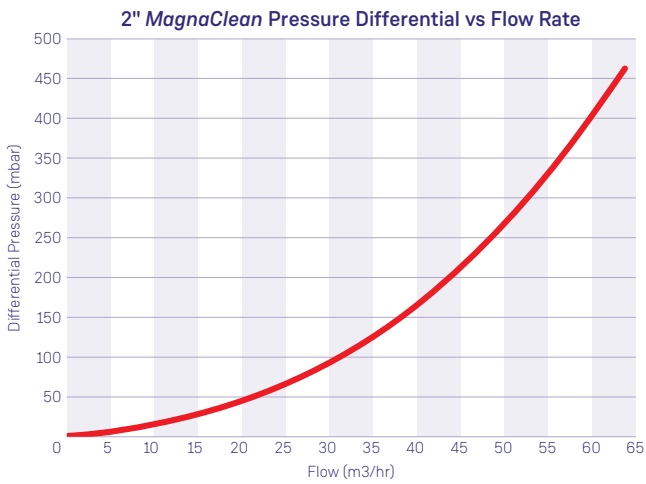
Outer seal: Non-asbestos fibre (KILINGERsil C-4400)

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Pressure drop flow graphs

For the *MagnaClean Commercial* product flow rates, see the graphs below.



Commercial testing

Magnetite, or black iron oxide, is a key contributor to commercial heating system breakdowns which can be avoided through the installation of magnetic filtration products from ADEY. The inevitable build-up of magnetite in a heating system can affect performance resulting in boiler damage and expensive repairs.

Extensive research has shown that magnetic filtration is the most effective means of sludge capture in maintaining and protecting commercial heating systems. Performance testing over a 12-month period by an independent consultant shows significant performance benefits in terms of magnetite capture. Energy savings are also achievable when compared with conventional methods of filtration for commercial systems.

Tests compared *MagnaClean* with a dirt separator and basket filter. Results show *MagnaClean Commercial* is up to 80% more effective in capturing damaging magnetite sludge than these other forms of filtration and at least 30% more energy efficient.

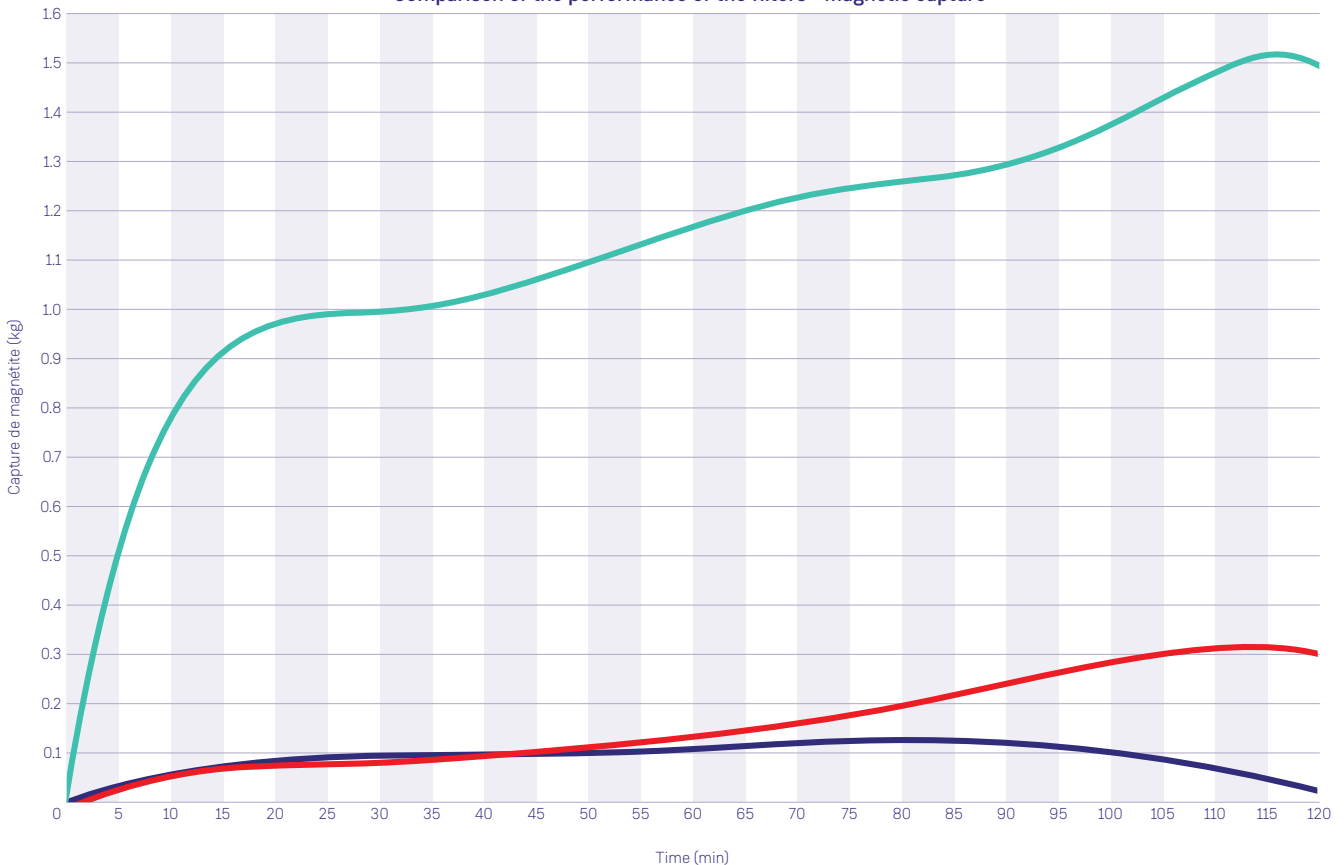
A 2" *MagnaClean* collected 1.52kg of magnetite during a two-hour cycle at a flow rate of 27m³/hr. By comparison, a 2" basket filter with an 80 mesh basket collected just 0.02kg. A comparable dirt separator collected 0.31kg of magnetite under the same flow conditions.

Once collected, the magnetite did not wash off the *MagnaClean* filter even at greater flow rates, reinforcing the case for magnetic filtration over the alternative system protection methods.

In a further highly significant finding, the pressure loss across the fully laden *MagnaClean Commercial* filter was 53.8% and 68.1% more effective than the dirt separator and basket filter respectively.

Among a growing number of high profile customers already benefitting from ADEY's commercial *MagnaClean* technology are multiple local authorities, housing associations, universities, schools, hospitals, hotel, sport, leisure and fitness groups.

Comparison of the performance of the filters - Magnetic capture



Graph shows the amount of magnetite captured by a 2" *MagnaClean Commercial*, a 2" dirt separator and a 2" basket filter.

- Poly (ADEY 2" MagnaClean)
- Poly (2" DIRT SEPARATOR)
- Poly (2" BASKET FILTER)

MagnaClean[®]

DRX



MagnaClean DRX introduces a new, innovative and compact design for protecting heating systems. The filter consists of an innovative magnetic belt, containing high-performing neodymium magnets, wrapped around a precision-engineered stainless-steel canister.

The unique magnetic belt technology makes servicing quick and easy. The belt simply needs to be unclipped to release the magnets so that the black iron oxide sludge can be drained away. Minimal space is required around the filter to complete the service, making the compact design ideal where space is limited.

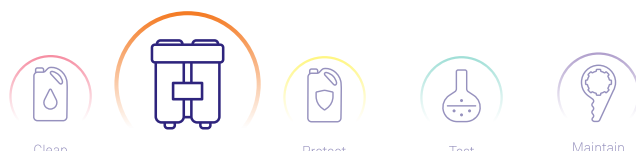
MagnaClean DRX is available in 2", 2½", 3" and 4" pipe dimensions to meet the demands of different applications. The product comes supplied with EDPM full-flange gaskets for robust sealing at high temperatures.

Technical Benefits

- Effective magnetic capture of black iron oxide (sludge)
- Helps restore heating system efficiency and performance
- Suitable for in-line and side stream installations
- Ongoing maintenance costs are reduced
- Collects large and micro particles
- Patented design ensures low pressure loss
- Simple installation and servicing
- Install on vertical and horizontal pipe runs
- Compatible with all heating systems
- Manufactured in the UK

Accessories available:

- Automatic Air Vent
- Thermal Jacket



Clean

MagnaClean

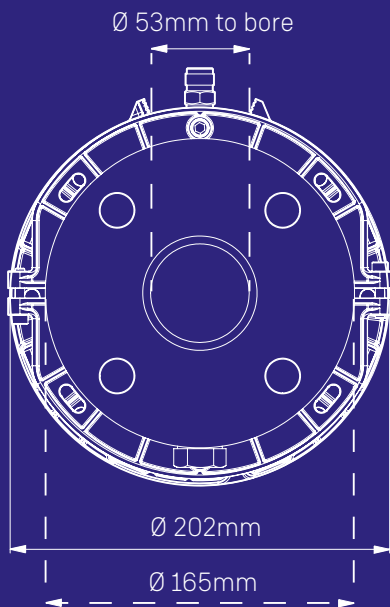
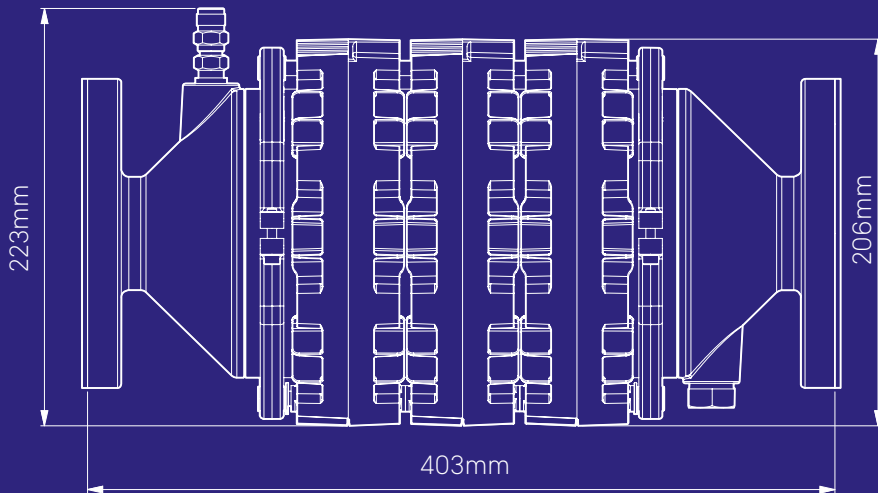
Protect

Test

Maintain

Technical specifications

DRX 2"



Casing

Material: Stainless steel
Volume Litres (approx): 4.97L
Flow Configuration In-line
Seals: EDPM Flange gaskets
Drain point thread: $\frac{3}{4}$ " BSPT
Maximum working pressure: 16 bar
Maximum working temperature: 100°C
Air vent: Manual

Total unit weight

2": 12.0kg

Magnet Assembly

Casing: PA6 Nylon
Magnets - type: Neodymium
Magnets - number of: 48
Magnets - dimensions:
20mm Dia x 10mm Thk

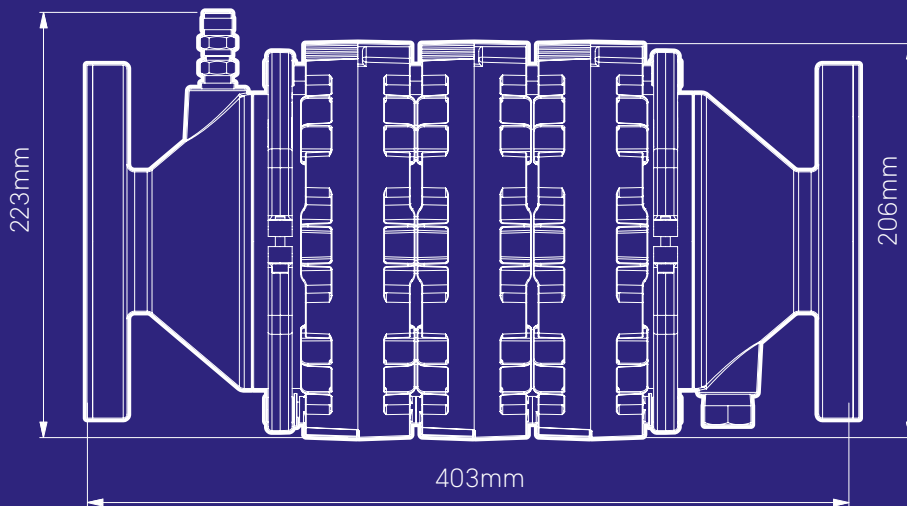
Flow flange PED

Flange diameter: 165mm
Flange thickness: 18 mm
Flange type: PN16 (B16.5 Class 150)
Bolt size: M16
Bolt quality: 4
Bolt hole PCD: 125mm

Full installation instructions are supplied with each filter and are also available to download from adey.com.

Technical specifications

DRX 2½"



Casing

Material: Stainless steel
Volume Litres (approx): 5.12L
Flow Configuration In-line
Seals: EDPM Flange gaskets
Drain point thread: ¾" BSPT
Maximum working pressure: 16 bar
Maximum working temperature: 100°C
Air vent: Manual

Total unit weight

2½": 13.2kg

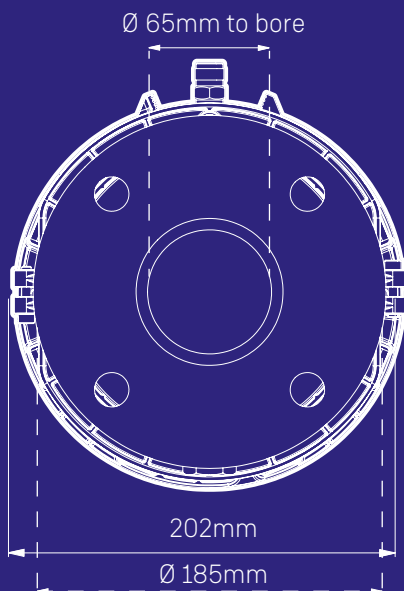
Magnet Assembly

Casing: PA6 Nylon
Magnets - type: Neodymium
Magnets - number of: 48
Magnets - dimensions:
20mm Dia x 10mm Thk

Flow flange PED

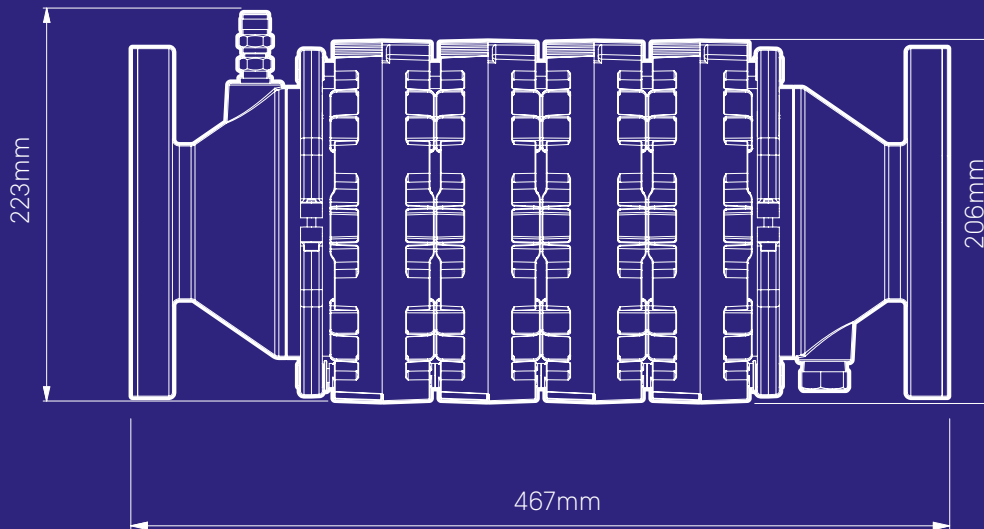
Flange diameter: 185mm
Flange thickness: 18 mm
Flange type: PN16 (B16.5 Class 150)
Bolt size: M16
Bolt quality: 4
Bolt hole PCD: 145mm

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Technical specifications

DRX 3"



Casing

Material: Stainless steel
Volume (PED) Litres (approx):
6.36L stainless steel
Flow Configuration In-line
Seals: EDPM Flange gaskets
Drain point thread: 3/4" BSPT
Maximum working pressure: 16 bar
Maximum working temperature: 100°C
Air vent: Manual

Total unit weight

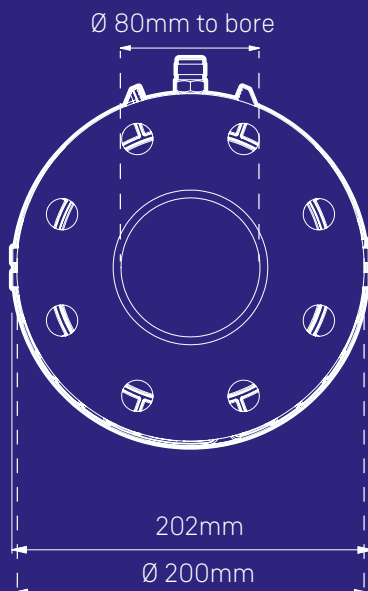
3": 15.7kg

Magnet Assembly

Casing: PA6 Nylon
Magnets - type: Neodymium
Magnets - number of: 64
Magnets - dimensions:
20mm Dia x 10mm Thk

Flow flange PED

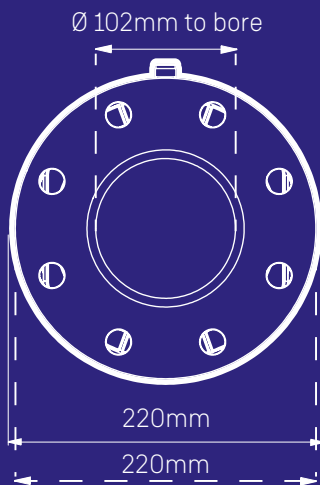
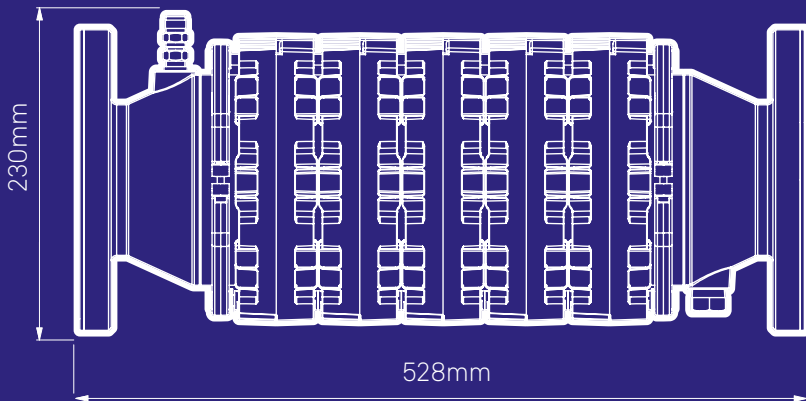
Flange diameter: 200mm
Flange thickness: 15 mm
Flange type: PN16 (B16.5 Class 150)
Bolt size: M16
Bolt quality: 8
Bolt hole PCD: 180mm



Full installation instructions are supplied with each filter and are also available to download from adey.com.

Technical specifications

DRX 4"



Casing

Material: Stainless steel
Volume (PED) Litres (approx): 7.76L stainless steel
Flow Configuration In-line
Seals: EDPM Flange gaskets
Drain point thread: 3/4" BSPT
Maximum working pressure: 16 bar
Maximum working temperature: 100°C
Air vent: Manual

Total unit weight

4": 18.9kg

Magnet Assembly

Casing: PA6 Nylon
Magnets - type: Neodymium
Magnets - number of: 80
Magnets - dimensions: 20mm Dia x 10mm Thk

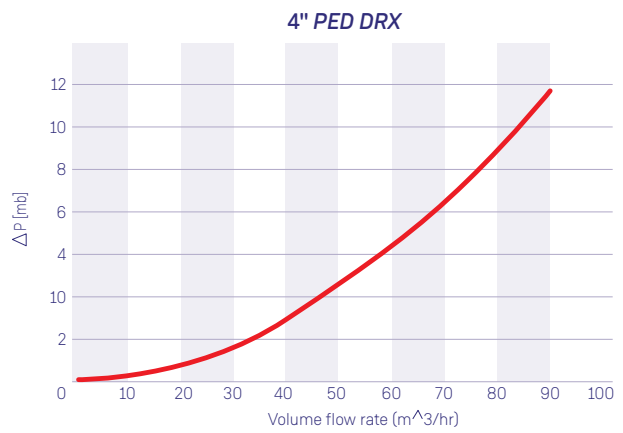
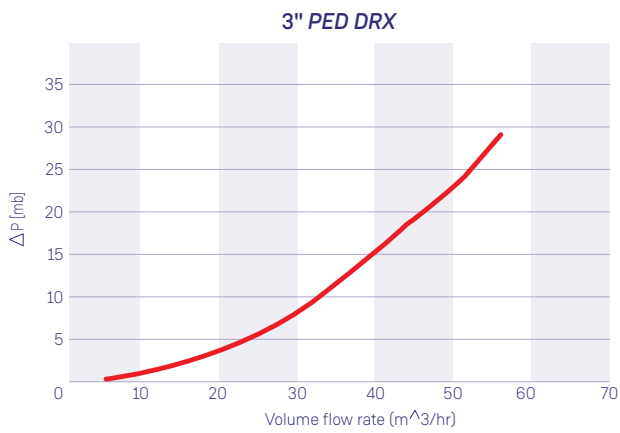
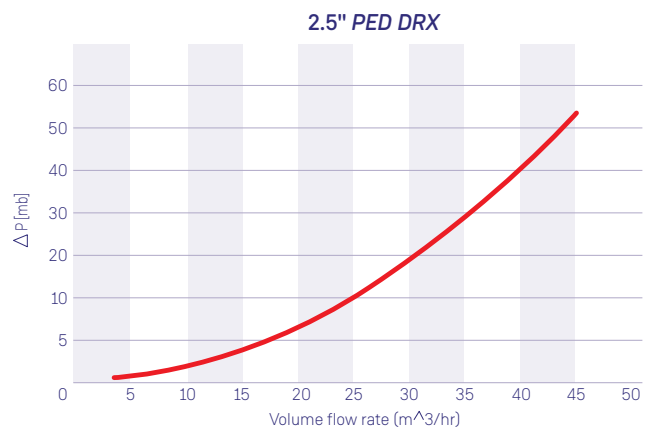
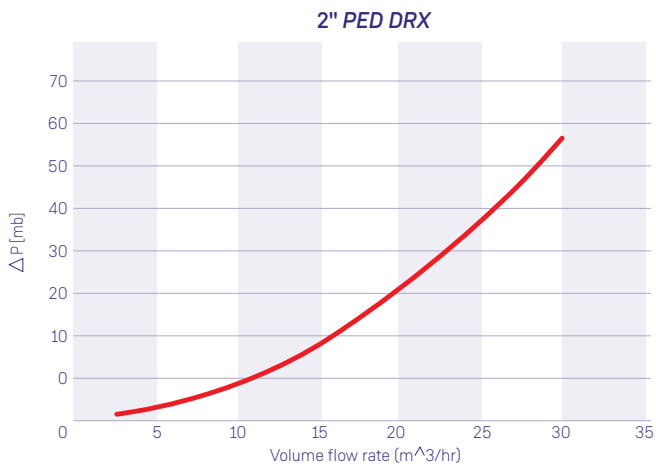
Flow flange PED

Flange diameter: 220mm
Flange thickness: 15 mm
Flange type: PN16 (B16.5 Class 150)
Bolt size: M16
Bolt quality: 8
Bolt hole PCD: 180mm

Full installation instructions are supplied with each filter and are also available to download from adey.com.

Pressure drop flow graphs

For the *MagnaClean DRX* product flow rates, see the graphs below.



MagnaClean®

DualXP



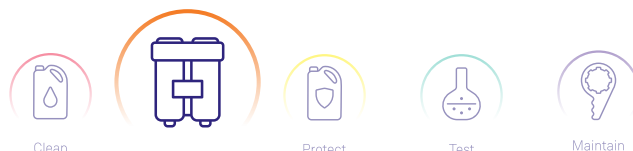
The *MagnaClean DualXP* has two powerful magnetic capture zones to remove greater volumes of iron oxide sludge and is the ideal solution for light commercial systems. The advanced technology bridges the gap between the domestic filter range and the *MagnaClean Commercial* products.

MagnaClean DualXP delivers exceptional protection against the damaging effects of black iron oxide sludge and non-magnetic debris. Each port on the *DualXP* has integral flow diverters to both the magnetic capture zones, ensuring uniform circulation around the length of the magnets.

The *DualXP* includes telescopic connectors with 1 ½" BSP threads. Reducing bushes are also supplied for 1 ¼" pipework. Connectors are adaptable to 42 mm or 35 mm pipework.

Technical Benefits

- Dual magnetic chambers with four non-magnetic capture zones
- Unique 1 ½" BSP telescopic connectors
- Available with reducing bushes to connect to 1 ¼" pipework
- Suitable for in-line and side stream installations
- 360° rotational connectors provide versatile installation options suitable for both horizontal and vertical pipework
- Two low profile drain valves for easy servicing and dosing
- Ultra-thin sheath enhances magnetic particle capture
- Bi-directional flow; either port can be designated as port entry



MagnaClean

Vertical and horizontal installation



Telescopic connectors make installation easier in horizontal or vertical orientations. These versatile connectors also make retro-fitting far more straightforward. For call-outs on existing installations the *MagnaClean DualXP's* inherent retrofit characteristics can make fitting quicker saving time and money.

The introduction of the dual magnetic chambers also enables a much smaller installation envelope making it easier for installers, without compromising filter performance. Another advantage of dual chambers is easier chemical dosing of the system via the filter.

Technical specifications

Canister and Lid

Material: Glass reinforced nylon

Volume: 2.43 litres (when telescopic connectors are retracted)

Thread: Pressure thread

Flow configuration: Bi-directional - any port can be inlet

Main lid seal: EPDM

Total unit weight

8.5kg

Magnets x 2

Housing: Stainless steel

Length: 225 mm

Diameter: 19 mm

Bleed Valves x 2

Body material: Nickel plated brass

Screw: Nickel plated brass

Thread interface: M6

Seals: EPDM

Drain ports x 2

Drain plug material: Nickel plated brass

Drain plug thread: M8

Seals: EPDM

Telescopic connectors x 2

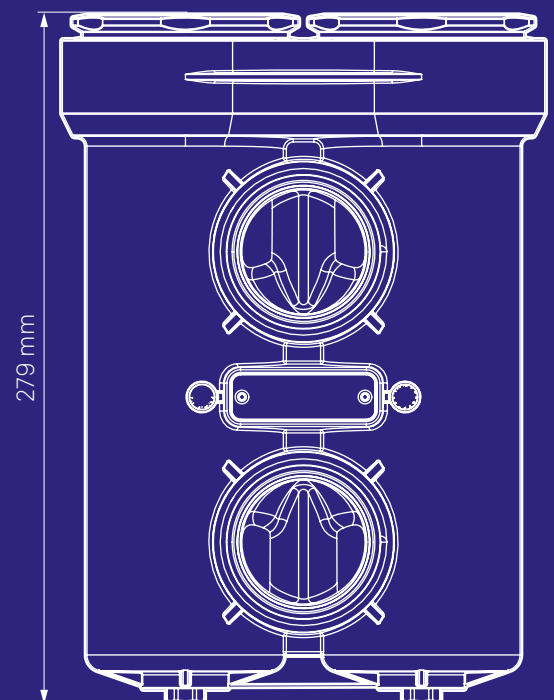
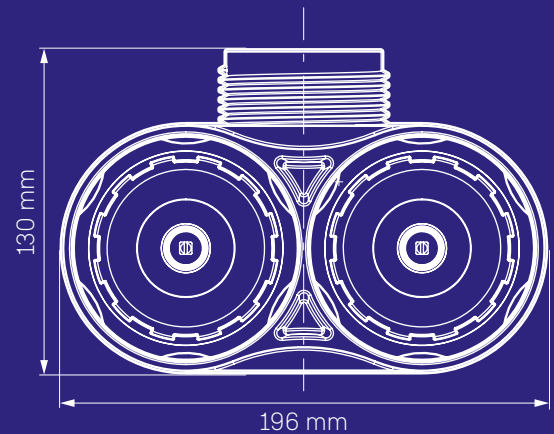
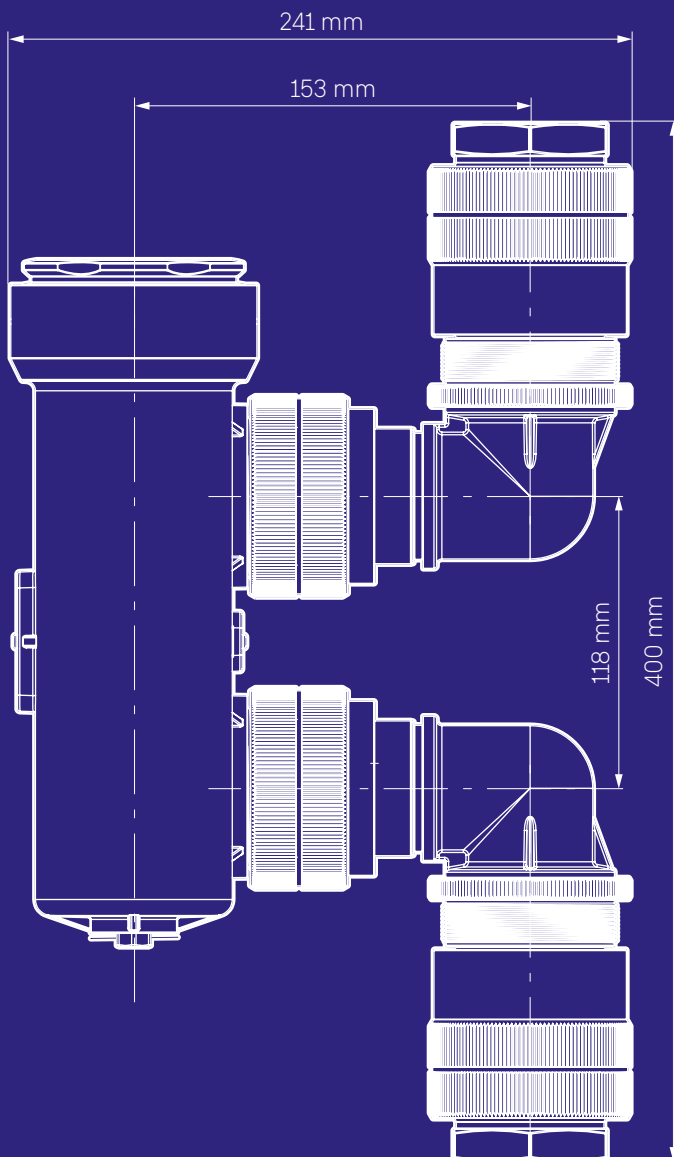
Inlet: 1½" Nominal bore

Outlet: 1½" Nominal bore

Body material: Nickel plated brass

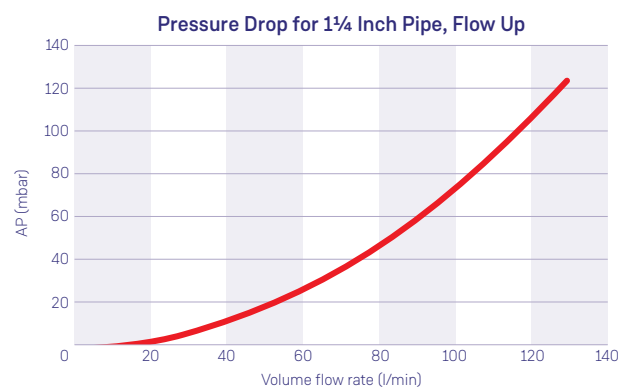
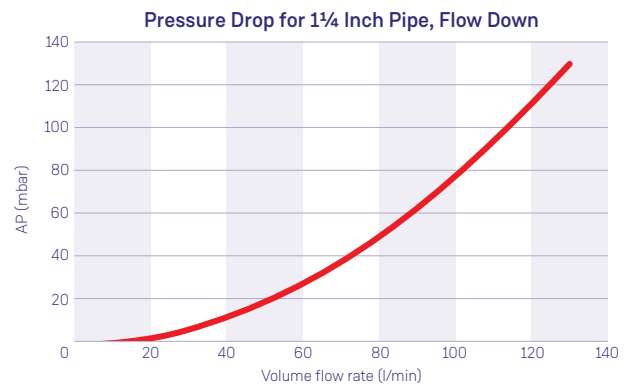
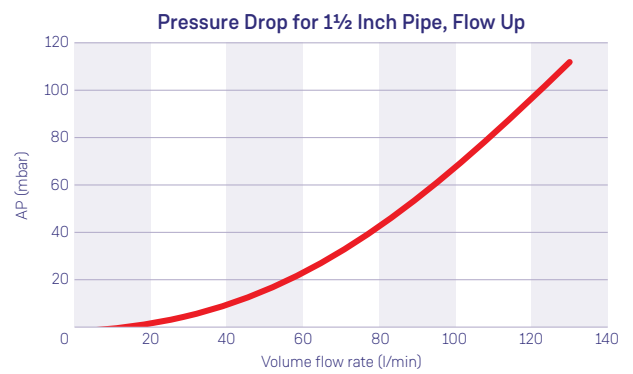
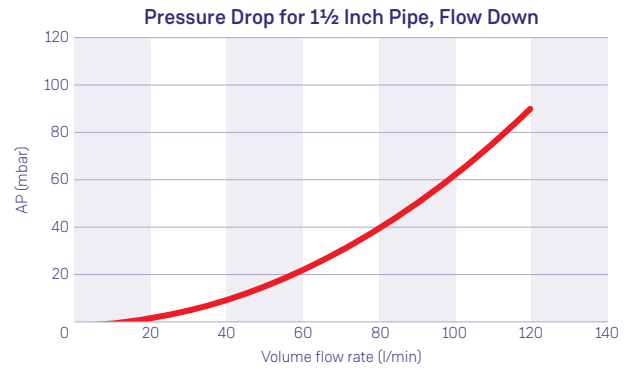
O ring material: EPDM

Full installation instructions are supplied with each filter and are also available to download from adey.com.



Pressure drop graphs

For the *MagnaClean DualXP* product flow rates, see the graphs below.





ON
OFF

K-X

MagnaClean[™]
DualXP
ADEY
adey.com

NEW STRENGTH FORMULA

MC1+[™]

Central Heating System
PROTECTOR

- Protects against corrosion and scale
- Maintains heating efficiency
- 500 ml treats 125 litres
- Helps reduce heating and maintenance bills
- For use in accordance with BS7593:2006



Protect

ADEY



Award winning chemicals

Whether it's market leading filters or award-winning chemicals, we design and manufacture effective solutions for protecting the nation's heating systems.

ADEY's advanced chemical range has been created to provide a solution for the maintenance and protection of heating systems. The *MC+* range has been specifically designed for use by professional installers as part of the Commercial Best Practice approach to heating system protection.

ADEY's pioneering work in maintaining and protecting the nation's central heating systems has been rewarded with a second Queen's Award for Innovation. The award specifically recognises the development of new chemical formulations for the *MC1+ Protector* and *MC3+ Cleaner* range of products, uniquely designed to work in tandem with ADEY's market leading *MagnaClean* filters.

Alongside this, ADEY's UKAS accredited laboratory sets the highest standards for water testing within the HVAC industry, producing premium reports on water quality.



MC1+™

Central Heating System PROTECTOR

High performance *MC1+ Protector* prevents both system corrosion and limescale deposition. It maintains boiler and system efficiency and prevents formation of sludge and scale, contributing to a longer system life.

- Best in class formulation for mild steel protection to prevent magnetite generation
- Every batch of *MC1+* is quality controlled and performance tested to UKAS standards
- Protects against corrosion and scale
- Maintains heating efficiency
- Helps reduce heating costs and maintenance bills
- Suitable for use in both commercial heating and closed cooling systems
- Compatible with all metals using five separate inhibition mechanisms
- Limescale inhibition
- Part L Building Regulation compliant
- Buffered to maintain a neutral pH of system water
- Compatible with all ADEY chemicals
- Doses at 0.4% of system volume – a higher concentration formula than other market products

Compatible with BS7593 and BuildCert NSF, CIAS approved.



Available sizes:

5L	10L	25L	200L	1,000L
----	-----	-----	------	--------



Clean



MagnaClean



Protect



Test



Maintain



kiwa 

Approval number: K84107

MC3+™

Central Heating System CLEANER

MC3+ is a rapid performing and powerful chemical cleaner specifically designed to remove system sludge, debris, greases and fluxes.

MC3+ starts to work as quickly as one hour after application. For maximum flexibility, it can be left in the system for up to 28 days.

- Removes, sludge, debris, fluxes and scale
- Contains inhibitors to protect vulnerable metals during cleaning
- Can remain in the system for 28 days
- Restores heating efficiency
- Helps reduce heating costs and maintenance bills
- Compatible with all ADEY chemicals
- Doses at 0.4% of system volume – a higher concentration than other market products

Available sizes:

5L	10L	25L	200L	1,000L
----	-----	-----	------	--------



Clean



MagnaClean



Protect



Test



Maintain

MC5™

RapidFlush System CLEANER

MC5 is an advanced, high strength cleaner designed to remove system sludge, debris and scale.

MC5 starts to work as quickly as one hour after application and can be left in the system for up to 7 days.

- Advanced strength formula removes sludge, debris and scale
- Restores system efficiency
- Helps reduce heating costs and maintenance bills
- Suitable for all heating systems
- Compatible with all ADEY chemicals
- Doses at 0.5% of system volume

Available sizes:

5L	10L	25L	200L	1,000L
----	-----	-----	------	--------



Clean



MagnaClean



Protect



Test



Maintain

MC40+™

Central Heating System CLEANER AND DESCALER

MC40+ is a fast-acting, citric-based acidic cleaner designed to dissolve limescale and dislodge hardened sludge deposits in commercial heating systems.

MC40+ is a powder chemical which should be dissolved in warm water before addition to the system. It starts to work immediately and should be left in the system for no more than 4 hours. It is important that the chemical is neutralised, before draining down and flushing the system, to remove any remaining acid residues.

- Fast acting cleaner removes limescale, sludge and debris
- Contains a ph indicator which shows the acidity of the system water
- Turns yellow when the product has been neutralised or exhausted
- Restores heating efficiency
- Helps reduce heating costs and maintenance bills
- Suitable for all heating systems
- Doses at 1.5% w/w (e.g. 20kg of MC40+ treats 1,333 litres of water)

Available size:

20kg



Clean



MagnaClean



Protect



Test



Maintain

MC10+™

Underfloor and Central Heating System BIOCIDE

MC10+ is a concentrated dual biocide that prevents the formation and growth of bacterial contamination, algae and micro-organisms in commercial heating, low temperature and closed cooling/chilling circuits.

- Dual biocide containing two separate active ingredients, making it more effective than a single biocidal treatment
- Controls the growth of a broad spectrum of bacteria
- Remains active to maintain system sterility
- Effective against pseudomonas and sulphate/nitrate reducing bacteria (SRB/ NRB) which cause iron corrosion
- Ensures efficient system operation
- Non-corrosive
- Compatible with all ADEY chemicals
- Doses at 0.4% of system volume

Available sizes:

10L	25L	200L	1,000L
-----	-----	------	--------



Clean



MagnaClean



Protect



Test



Maintain

MCTMZero

Central Heating System ANTI-FREEZE

MCZERO is a monopropylene based glycol solution designed to prevent freezing in all types of water. The formulation also contains inhibitor to protect against corrosion and scale formation.

- Prevents freezing
- Prevents corrosion and scale formation
- Best in class formulation for mild steel protection to prevent magnetite generation
- Protection at -11°C at a 25% concentration
- Compatible with all metals
- Buffered to maintain a neutral pH of system water
- Compatible with all ADEY chemicals
- The concentration of MCZERO can be adjusted for lower levels of freeze protection

Dosage guide:

Concentration	25%	30%	35%	40%
Protection	-11°C	-14°C	-17°C	-22°C

Available sizes:

5L	10L	25L	200L	1,000L
----	-----	-----	------	--------



MCZeroTM₊

Central Heating System INHIBITED ANTI-FREEZE

MCZERO+ is a concentrated monopropylene glycol solution designed to prevent freezing in all types of water. The formulation also contains inhibitor to protect against corrosion and scale formation and biocide to prevent bacterial contamination.

The high performance heat transfer fluid is specifically designed to protect low temperature heating and cooling systems, including Heat Pumps and underfloor heating.

- Prevents freezing
- Prevents corrosion, scale formation and microbial growth
- Best in class formulation for mild steel protection to prevent magnetite generation
- Protection at -3°C at a 10% concentration
- Compatible with all metals
- Buffered to maintain a neutral pH of system water
- Compatible with all ADEY chemicals
- The concentration of MCZERO+ can be adjusted for lower levels of freeze protection

Available sizes:

5L	10L	25L	200L	1,000L
----	-----	-----	------	--------

Dosage guide:

Concentration	10%	15%	20%	25%	30%	-35°C	-40°C
Protection	-3°C	-5°C	-6°C	-9°C	-12°C	-15°C	-18°C



Clean



MagnaClean



Protect



Test



Maintain



kiwa

Approval number: K84107

Commercial water testing

From sample drop-off, through refrigerated transport and professional, accredited laboratory analysis to delivering results to your inbox. Our industry leading water testing service provides a 'closed loop' of reliability, convenience, accuracy and speed of response.

Our water treatment expertise also goes deeper than the fail-safe analysis of chemical and microbiological water samples. ADEY's specialist knowledge in the management of heating systems enables us to offer bespoke advice on any remedial action required, as well as general advice on best practice of the management of any water systems.

Chemical and Microbiological Testing

ADEY offers a comprehensive range of testing including BSRIA, water hygiene, swimming pools and domestic systems. Individual parameters can be tested, or bespoke suites can be created, tailored to individual requirements.

Chemistry

A full suite of testing is available including metals, anions, solids, glycols and inhibitors.

Microbiology

A complete range of testing is available including BSRIA, swimming pools, water hygiene and Legionella.

Key benefits

SPEED: There is a 3-day turnaround on chemical testing as standard.* Our consistent rapid service expedites the review of all test results, ensuring prompt reporting to customers. Convenient, secure drop off points provide refrigerated storage of samples. An up to date listing of all our drop off points is available from www.adey.com

QUALITY: UKAS ISO 17025:2005 accredited service for chemical and microbiological analysis with state of the art testing facilities using the latest analysis technology.

SERVICE: Dedicated Customer Liaison Officer ensuring customers have a consistent point of contact supported by industry leading technical knowledge and expertise.



8901



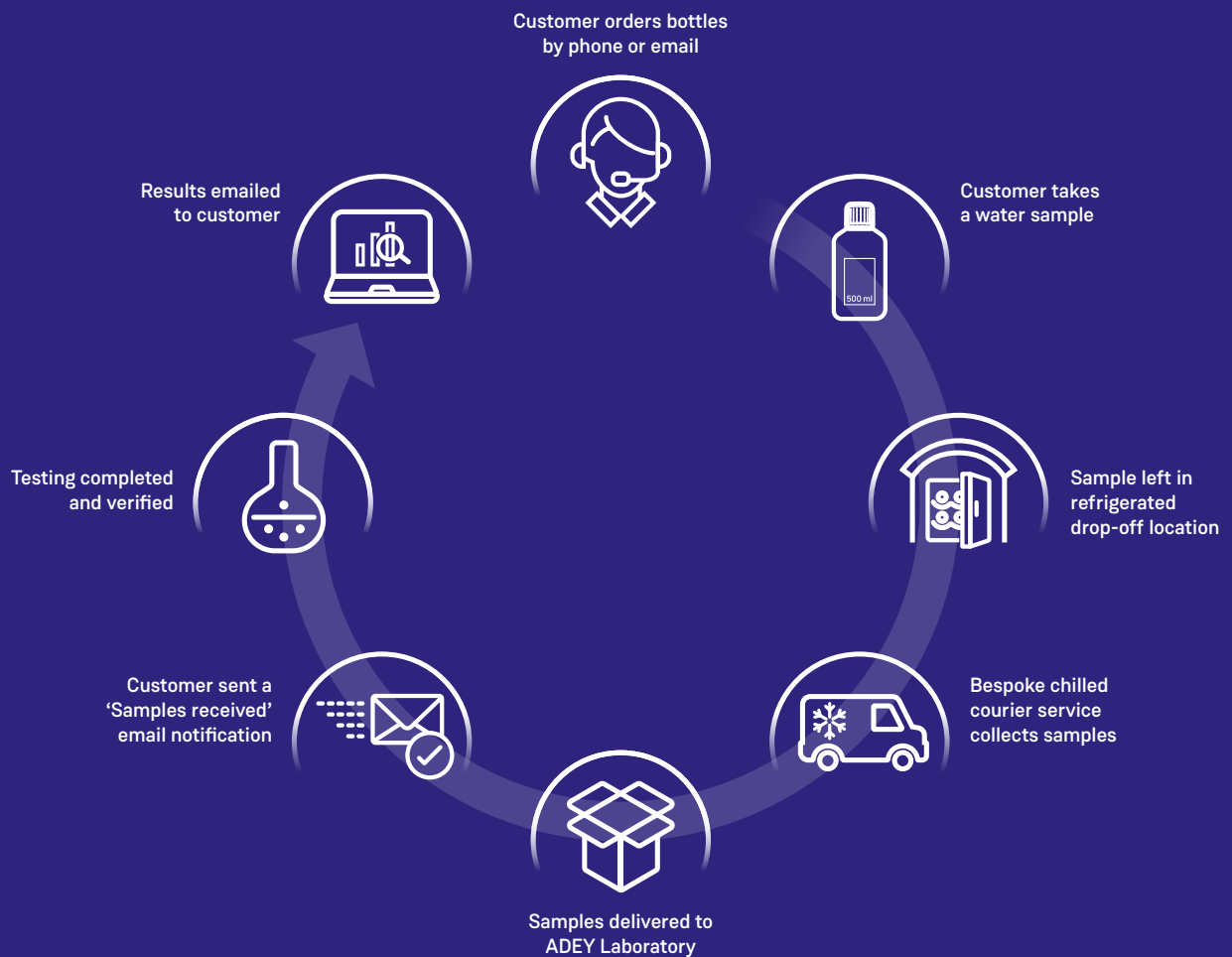
* 3 working days





Efficient trackable service

Our water testing service is convenient and reliable, delivering faster results and making any remedial actions easier and quicker to plan and resource.



ADEY®



KE KELIT®
CLIMATE CONTROL SYSTEMS

KE KELIT NZ Ltd.
0800 4 KE KELIT
0800 4 5353548
climatecontrol@kekelit.co.nz
www.kekelit.co.nz