



MagnaClean CMX[®]

MIDI Filter & External Magnetic Jacket

Product Specification

MagnaClean CMX Midi® & External Magnetic Jacket

Augmented & accelerated magnetite capture

Our *MagnaClean CMX* range of 316L stainless steel sidestream filters deliver market leading, adaptive system water filtration, offering a highly flexible and bespoke approach to addressing the needs of commercial and industrial heating and chilled water systems.

The *MagnaClean CMX Midi* sidestream filter has been carefully designed and scaled to work on commercial heating and chilled systems up to 93,000 litres in size. Weighing in at just 11.4kg and with a space envelope of just 0.036m³, the *CMX Midi*® filter is a highly compact and flexible plant room solution, offering powerful magnetic and non-magnetic filtration, direct chemical system dosing and passive system deaeration, helping to improve system performance & efficiencies, reduce CO₂ emissions and lower maintenance & running costs.

Whilst commercial heating and chilled systems may contain a multitude of system debris types, ADEY considers magnetite to be one of the most dangerous and damaging to a commercial system. It is this belief that has led to the development of our innovative, external magnetic jacket accessory for the *CMX Midi* filter, designed to augment and accelerate the capture of magnetic debris from heating and chilled systems, whilst also providing high performance thermal insulation for the filter.

The *MagnaClean CMX Midi External Magnetic Jacket* features 32 neodymium magnets which work in tandem with the three powerful internal neodymium magnets to remove as much damaging magnetite from a commercial system as quickly as possible. More than doubling the capture capacity of the *CMX Midi* filter, problem systems are cleaned more efficiently, helping to protect valuable plant room equipment and deliver improved system efficiencies more quickly.

Made from expanded polypropylene, the external magnetic jacket also provides outstanding thermal insulation protection for the *CMX Midi* filter, in addition to providing exceptionally high water and chemical resistance, high-strength to weight ratio and 100% disassembly and recyclability at the end of its life.

ADEY Commercial's *MagnaClean CMX Midi* filter combined with its external magnetic jacket accessory is a highly flexible and powerful plant room solution, helping to deliver improved system performance, operational and environmental efficiencies and reduced maintenance and running costs by helping to clean-up dirty commercial heating and chilled systems as quickly as possible.



Product
Innovation



Product
Customisation



Augmented
Magnetite Capture



Accelerated
Magnetite Capture



Improved
Performance



Improved
Efficiencies

MagnaClean CMX Midi® & External Magnetic Jacket

The *MagnaClean CMX Midi* filter is a hugely powerful yet compact solution, designed for use on commercial systems up to 93,000 litres in size. Offering magnetic & non-magnetic sidestream filtration and passive system deaeration, chemicals can also be easily dosed directly into any heating or chilled system via the *CMX Midi* filter, utilising its 9.3 litre holding capacity.

More than doubling the magnetic capture capacity of the *Midi* filter, the external magnetic jacket creates an extremely powerful and flexible plant room combination, all within a combined footprint of just 0.036m³ and 13.2kg in weight.



Product Innovation



Product Customisation



Augmented Magnetite Capture



Accelerated Magnetite Capture



Improved Performance



Improved Efficiencies



Material Min/Max.
-10C to +110°C

Features & Benefits

- Accelerated magnetite capture accessory, designed to capture and remove magnetic debris as quickly as possible from dirty systems when combined with the *CMX Midi* filter
- Powerful cleaning & protection for valuable plant room equipment, helping to deliver improved system performance & efficiencies more quickly
- A compact and lightweight, (1.8kg) portable accessory which can be moved from filter to filter and/or plant room to plant room, more than doubling the capture capacity of magnetic debris
- Simple servicing & maintenance – jacket is easily removed from the filter via the upper and lower 4mm screw jacks
- Dual-purpose solution offering vastly accelerated magnetite capture and thermal filter insulation
- Can be used in combination with the new *CMX Midi Pro & Pro Assist Monitored Filtration* units
- Designed to help improve system performance and efficiencies, reduce CO₂ emissions and lower maintenance & running costs

MagnaClean CMX[®]

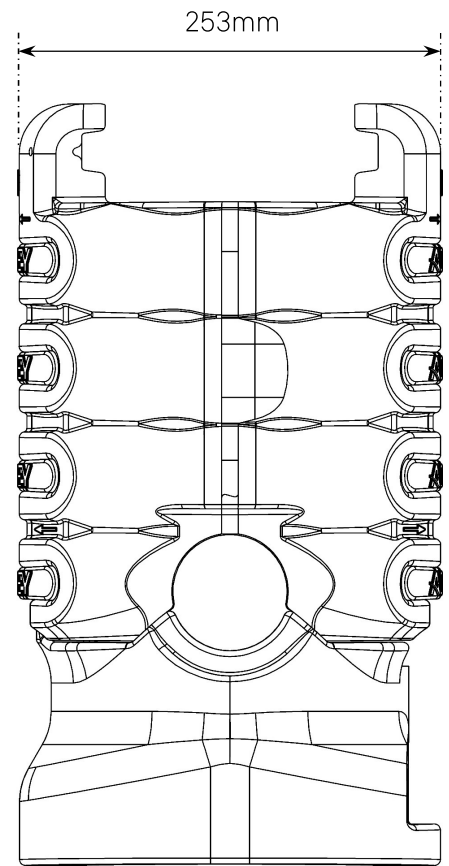
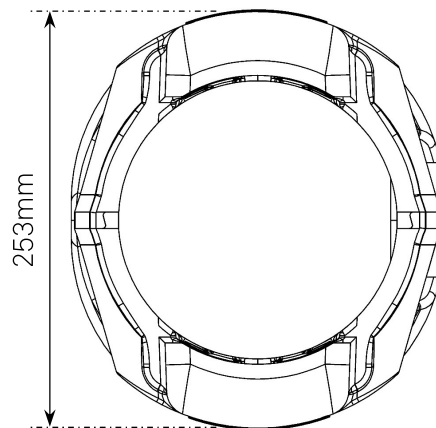
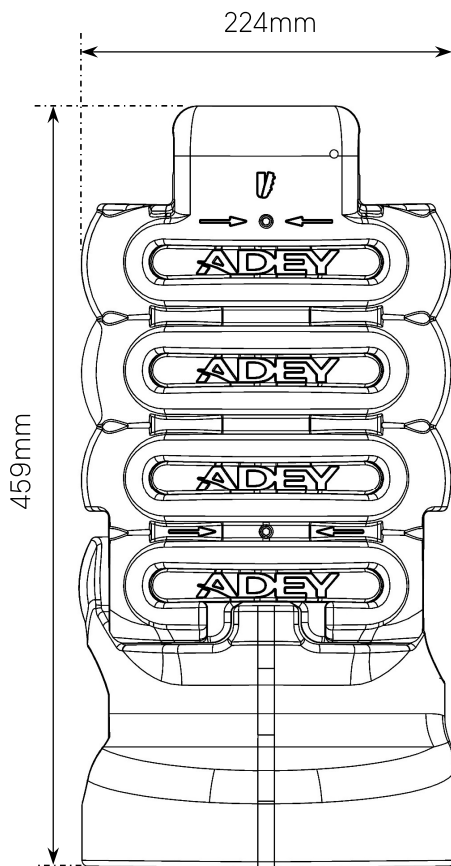
MIDI



ADEY
Commercial[®]

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MIDI



MagnaClean CMX Midi® & External Magnetic Jacket

Technical Specification

Properties	Value	Unit	Directive/Standard
Material	Expanded Polypropylene	-	-
Colour	Anthracite	-	-
Weight	45-50	g/l or kg/m ³	EN 1602
Application Temperature	Maximum Temp: +110	°C	-
Thermal Conductivity +10°C	0.035	W/mK	EN 12667
Building Material Class	B2		DIN 4102
	E		DIN ISO 2768-1

Material resistance to chemicals

Exposure Media: 7 days immersion at 22°C; **Key:** **1** = No change; **2** = Slight swelling

- | | | |
|----------------------------|--------------------------------|----------------------------------|
| - Petrol/Gasoline 2 | - Acetone 2 | - 10% Sulfuric Acid 1 |
| - Gas-Oil 2 | - Ethyl-Alcohol 1 | - 10% Nitric Acid 1 |
| - Kerosene 2 | - n- Heptane 2 | - 10% Hydrochloric Acid 1 |
| - Mineral Oil 2 | - Ethyl-Acetate 1 | - 10% Sodium Hydroxide 1 |
| - Toluene 2 | - Methyl Ethyl Ketone 2 | - Ammonium Solution 1 |

BSRIA Compliance Guidelines

The *MagnaClean CMX* range meets the intent of **BSRIA Guides BG 29/2021 Pre-Commission Cleaning of Pipework Systems** and **BG 50/2021 Water Treatment for Closed Heating & Cooling Systems**, for products providing sidestream filtration and chemical dosing capabilities, as referenced in the following sections of those guides and when installed in accordance with published guidelines:

- Sidestream filtration BG 29/2021; Section 2.3.8 and BG 50/2021; Section 3.4.2
- Chemical dosing facilities – BG29/2021; Section 2.3.8 and BG50/2021; Section 3.4.3
- Corrosion monitoring technology and services BG 29/2021; Section 2.3.8

The additional features of these products are also consistent with the descriptions in BG 50 including:

- Magnetic filtration BG 50/2021; Section 5.3.2
- Disposable media filters BG 50/2021; Section 5.3.3
- Passive deaeration BG 50/2021; Section 5.4.1
- Chemical water treatment BG 50/2021; Section 5.1
- Real-time monitoring of system parameters BG50/2021; Section 2.10

MagnaClean CMX Midi® & External Magnetic Jacket

Technical Specification

Product Code		FL1-03-06703 / FL1-03-06703-EU
General		
Guarantee		2 years
Product assembly		Four-piece construction
Method of connection		Push-fit
Construction		
Material type		Expanded Polypropylene (EPP)
Magnet Specification		
Quantity		32
Type		Neodymium
Dimensions		20mm diameter x 10mm thick
Physical		
Width		224mm
Depth		253mm
Height		459mm
Weight		1.8 Kg



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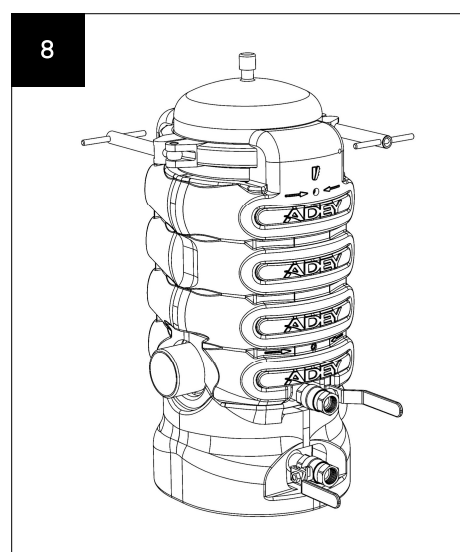
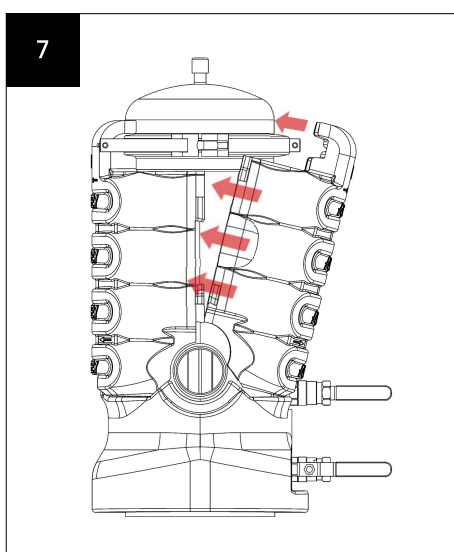
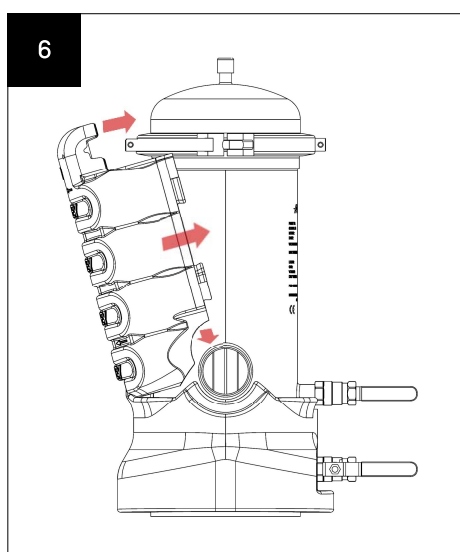
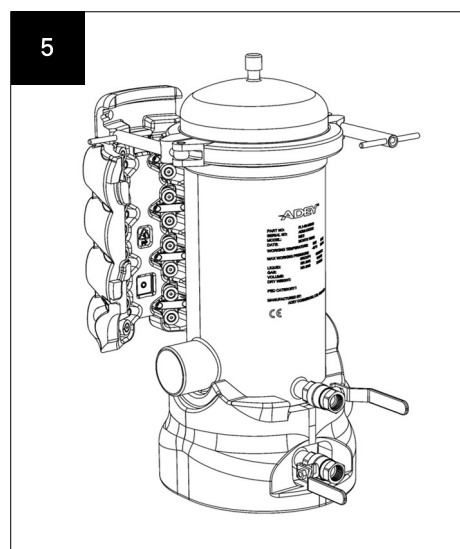
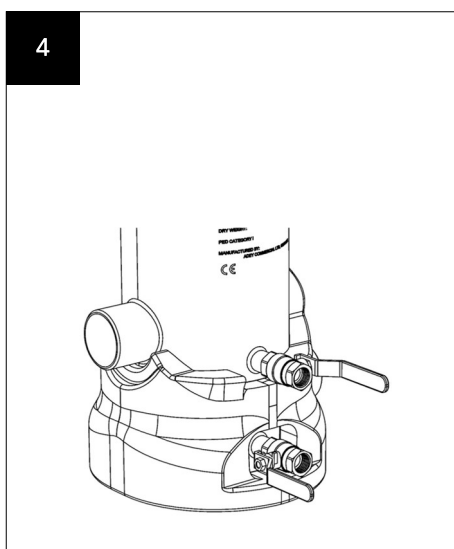
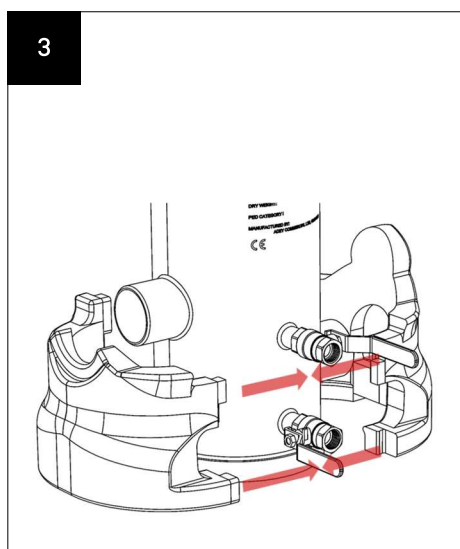
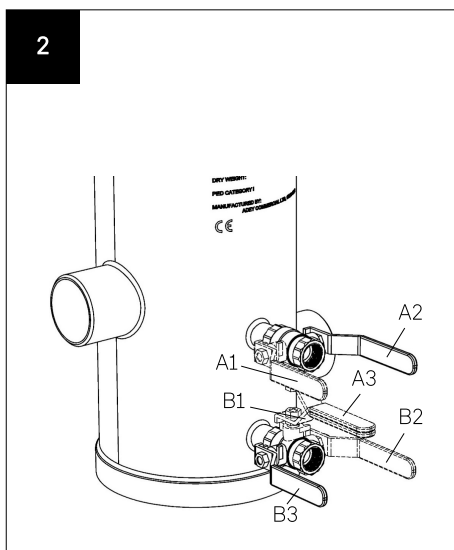
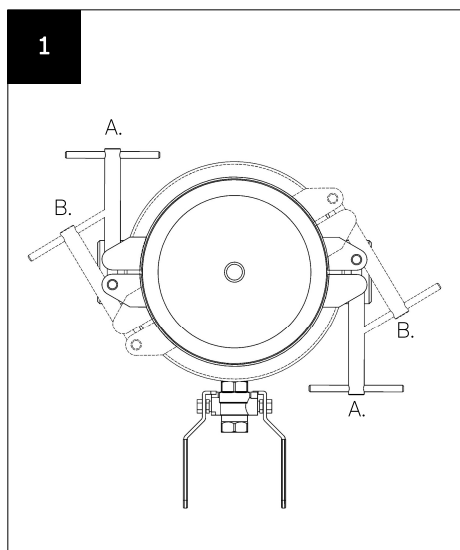
Improved
Performance



Improved
Efficiencies

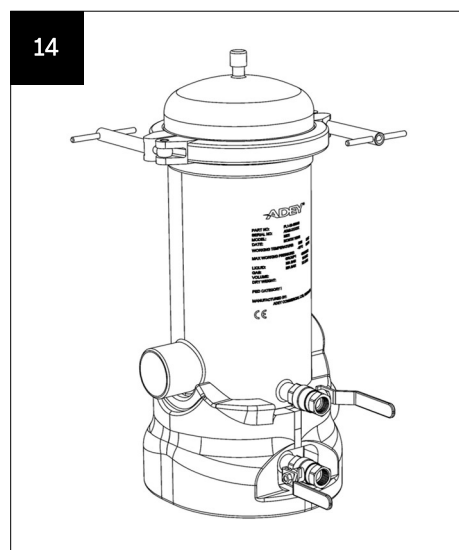
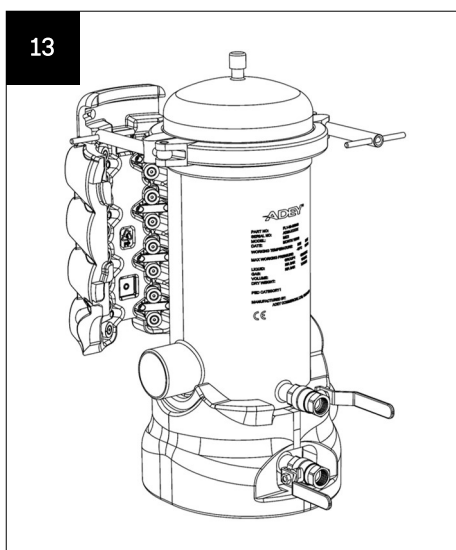
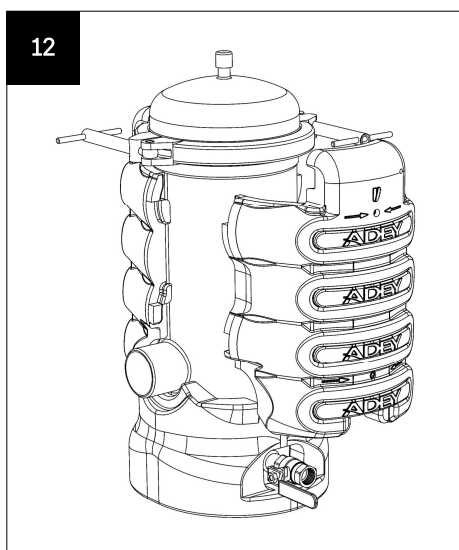
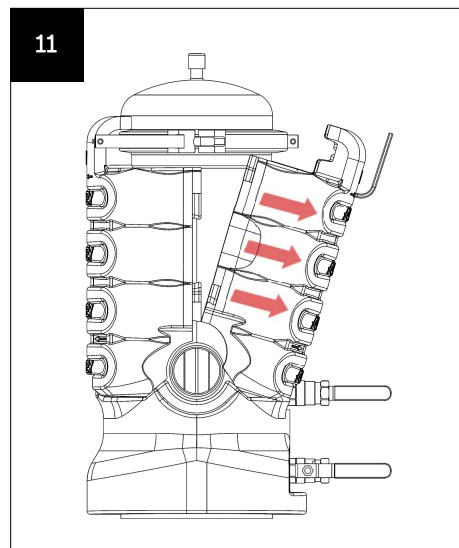
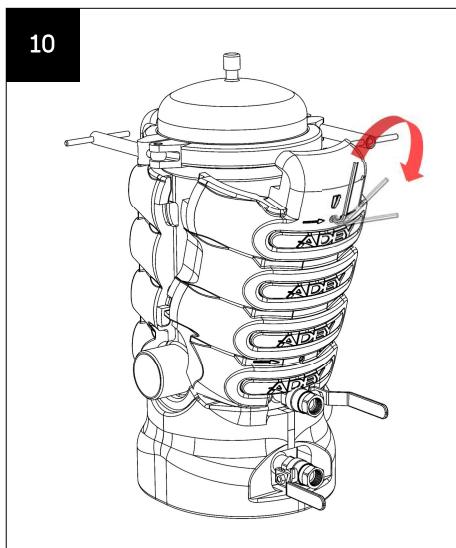
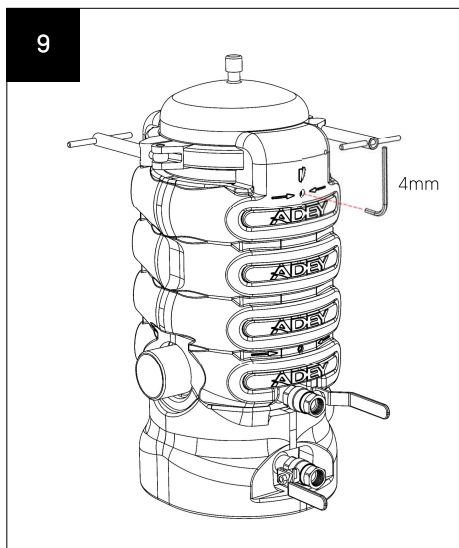
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Installation/Installasjon/Installatie/Kurulum/Instalacja

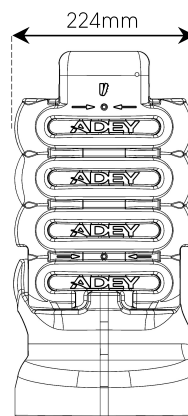
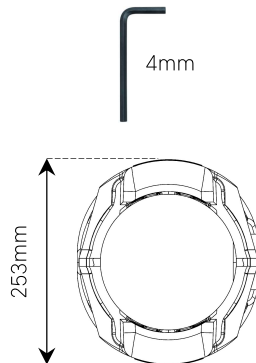
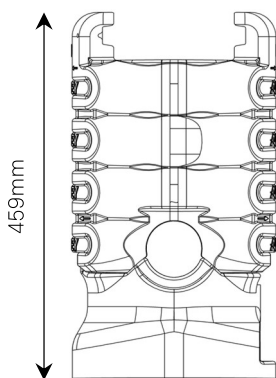


Attention/Merk følgende/Opmærksomhed/Uppmärksamhet/
Aandacht/Dikkat/Aufmerksamkeit/Uwaga





Always remove magnetic jacket parts before servicing filter/Fjern altid magnetiske kappedeler før service på filteret/Fjern altid magnetiske kappedele før servicering af filteret/Ta alltid bort magnetiska manteldelar innan du servar filtret/Verwijder altijd de onderdelen van de magnetische mantel voordat u onderhoud pleegt aan het filter/Filtreye bakım yapmadan önce her zaman manyetik kılıf parçalarını çıkarın/Zawsze usuwaj części płaszcza magnetycznego przed serwisowaniem filtra/Entfernen Sie immer magnetische Mantelteile, bevor Sie den Filter warten/Retirez toujours les pièces de la gaine magnétique avant d'entretenir le filtre.





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