



## **MagnaClean CMX™**

### **Side-Stream Magnetic and Non-Magnetic Filter**

#### **MagnaClean CMX Series 2" NPT**

SUBMITTAL DATA *MagnaClean CMX Maxi™* – ISSUE DATE 05/2022

Job name	Size
Job location	Quantity
Engineer	Approval
Mechanical contractor	Service
Contractor's P.O. No.	Tag No.
Representative	Notes

#### **Application**

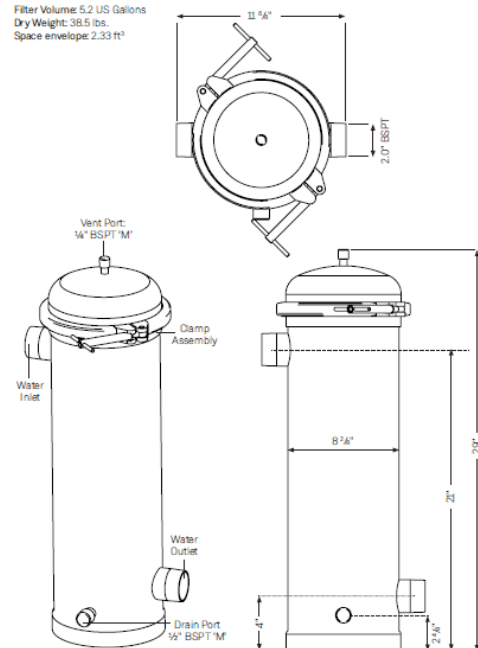
In closed loop heating and chiller systems, the circulation of water contaminants such as copper, chloride, iron, scale, and pH imbalances may result in rapid corrosion, damage, and blockages to components such as pumps, control valves, thermostats, heat exchangers, heat emitters and pipes, resulting in lower thermal efficiency within the system and even component failures. The MagnaClean CMX side-stream filters provide adaptive filtration options - magnetic only or combined, magnetic & non-magnetic dual-filtration, combining powerful, neodymium magnets with superior spun-bonded filter cartridges and needlefelt bag filters, which also help promote air separation from the system water.

Delivering market leading dual-filtration performance, direct chemical dosing capability, improved system efficiencies, reduced maintenance and running costs, the CMX range is an integral part of water management solutions and services for commercial heating and chilled water systems.

#### **Dimensions**

##### ***MagnaClean CMX Maxi***

Filter Volume: 5.2 US Gallons  
Dry Weight: 38.5 lbs.  
Space envelope 2.33 ft³





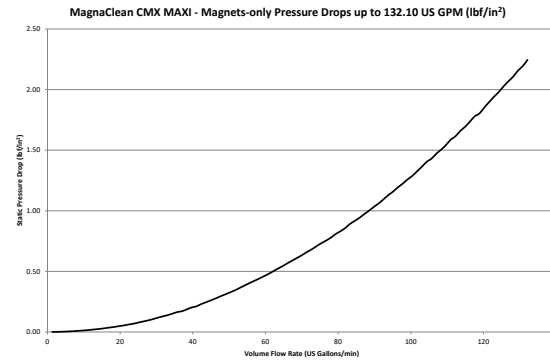
### Typical Specification

Furnish and install on the plans and described herein, an ADEY® *MagnaClean CMX* magnetic and non-magnetic side-stream as manufactured by ADEY. Each filter must be designed with a 316L stainless-steel body with large internal volume, seals in EPDM, blowdown drain port, internal powerful, neodymium magnet assembly with superior spun-bonded filter cartridges and needlefelt bag filters, capturing particles from 50µm to 5µm (0.2 mil), and including magnetite. Each magnetic and non-magnetic filter shall be an ADEY MagnaClean CMX model or approved equal. (See product instructions for specific installation information.)

### Technical Data

**Filter body & lid:** 316L Stainless Steel  
**Body & lid finish:** Polished  
**Gasket seal:** EPDM  
**Basket filter:** 316L Stainless Steel  
**Basket compression plate:** 316L Stainless Steel  
**Inner basket gasket:** EP  
**Clamp:** 304 Stainless Steel  
**Clamp Tee-Bar:** 316L Stainless Steel  
**Blanking caps:** 316L Stainless Steel  
**Magnets (x4):** Neodymium rare-earth  
**Air vent body:** CB754S Brass  
**Air vent float:** PE  
**Air vent spring:** Stainless steel  
**Bag filter 5 - 50 µm (x1):** Polypropylene Needlefelt

### Pressure Drop Data



### Performance

**Suitable fluids:** Water, glycol solution  
**Maximum percentage of glycol:** 50%  
**Maximum working pressure:** 145 psi (10 bar)  
**Temperature range:** 14 - 302°F (-10 - 150°C)  
**Maximum temperature with packaged air vent:** 230°F (110°C)  
**Particle separation capacity:** down to 5 µm (0.2 mil)  
**Inlet & Outlet Connections:** 2" BSPT M with 2" NPT F Adapter  
**Vent port:** ¼" BSPT Male with BSPT Plug  
**Drain port:** ½" BSPT Male with BSPT Plug  
**Flow rate:** 59.4 g/pm with bag filter installed