MagnaClean Commercial®
Magnetic Filter

***MagnaClean Commercial* Series 8"**
SUBMITTAL DATA *MagnaClean Commercial* 8"
ISSUE DATE 12/2022

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 ASME and CRN approved *MagnaClean Commercial* magnetic filter provides in-line, maximum performance for commercial and industrial closed loop heating and cooling applications. The filter's 9 individual magnetic rods sit directly in the flow of water when in service to maximum capture performance, offering a quicker clean for applications with known issues, failures, or evidence of black water in the system. These unique magnetic rods also make servicing quick, easy and mess-free.

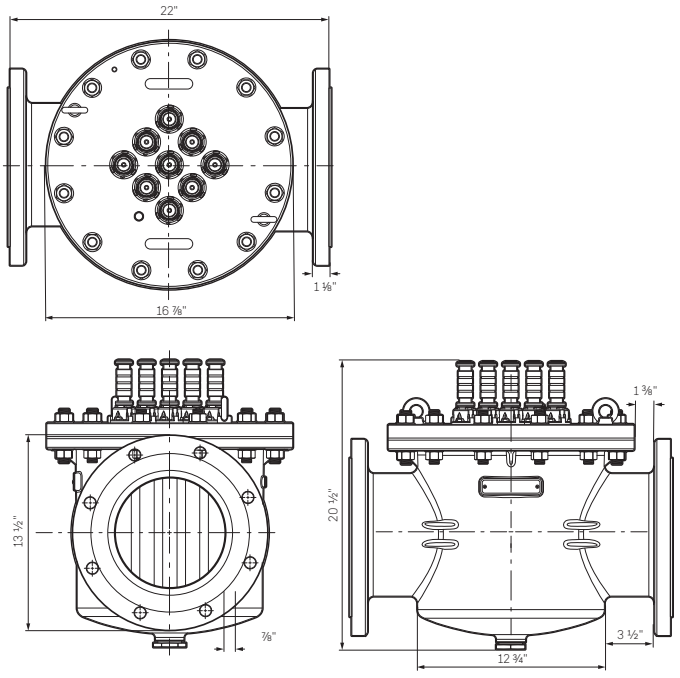
Delivering a market leading and easy-to-service capabilities, improved system efficiencies, reduced maintenance and running costs, the *Commercial* range is an integral part of water management solutions and services for commercial heating and chilled water systems.

Dimensions

MagnaClean Commercial 8"

Filter flow rate: 1300gpm

Dry weight: 241.4 lbs



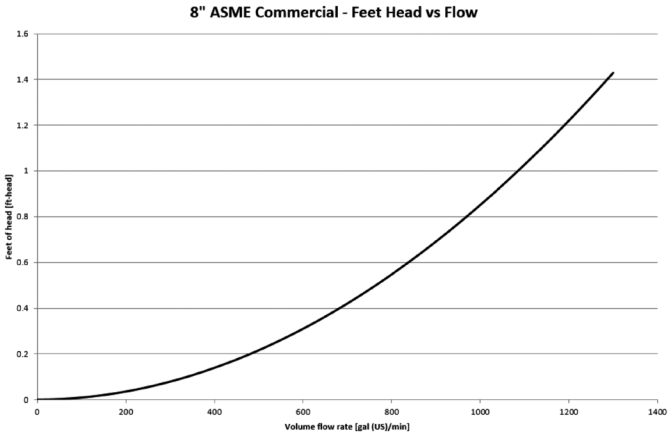
Typical Specification

Furnish and install on the plans and described herein, an ADEY® *MagnaClean Commercial* magnetic filter as manufactured by ADEY. Each filter must be designed with a 304L stainless-steel one-cast-mold body with large internal volume, seals in EPDM, blowdown drain port, air vent, 9 individual neodymium magnetic rods that sit directly in flow of water when in service and lift into place during servicing.

Each magnetic filter shall be an ADEY *MagnaClean Commercial* model or approved equal.

(See product instructions for specific installation information.)

Pressure Drop Data



Technical Data

Filter body: 304L Stainless Steel

Magnets (x9): Neodymium rare-earth

Magnet pocket sleeves: 304L Stainless steel

Lid seal: EPDM

Drain point thread: 1-1/4" NPT hole & plug

Air vent body: CB754S Brass

Air vent float: PE

Air vent spring: Stainless steel

Flow flange: ANSI

Flange type: PN16 with EPDM gasket

Flange thickness: ¾"

Bolt size: M20

Bolt quantity: 12

Bolt hole PCD: 295

Performance

Suitable fluids: Water, glycol solution

Maximum percentage of glycol: 50%

Maximum working pressure: 145 psi (10 bar)

Maximum working temperature: 212°F (100°C)

Particle separation capacity: down to 5 µm (0.2 mil)

Inlet & Outlet: 8" flanged

Flow rate: 1300 g/pm