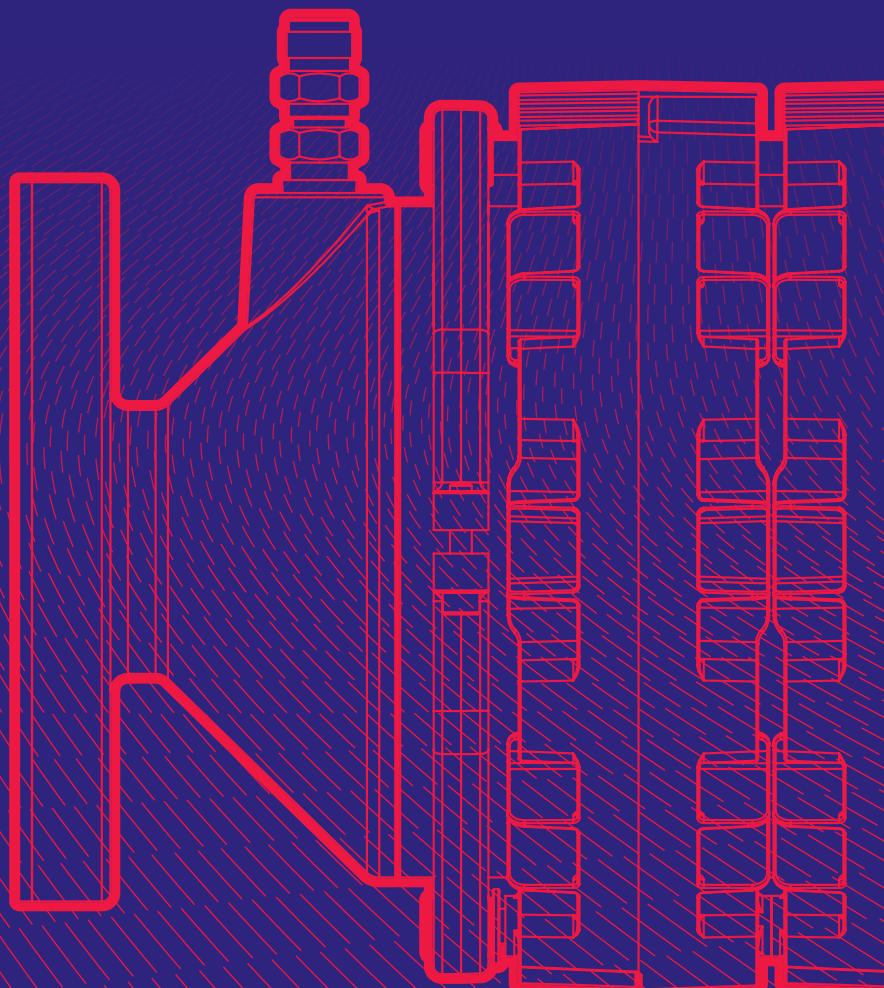


ADEY™

MagnaClean™ DRX

Installation and servicing guide



Section 1 - Overview

The MagnaClean DRX™ magnetic filter is designed to protect small to medium sized mechanical rooms with limited space by removing black iron oxide. Even a small build-up of iron oxide in a modern boiler system can result in substantial loss inefficiency and energy wastage.

This product has a two-year warranty.

The instructions are designed to support contractors in the safe and effective installation and servicing of the filter. It is recommended that the filter should be installed and serviced by a fully qualified heating engineer.

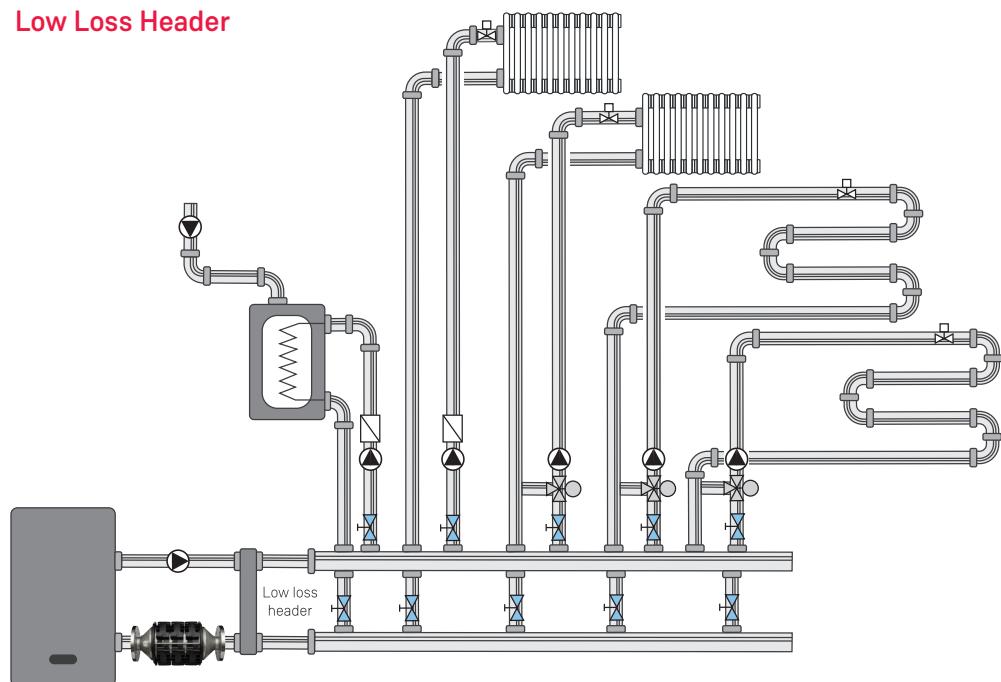
Section 2 - Installation

IMPORTANT! Always read instructions

The MagnaClean DRX Filter offers a number of location solutions depending on the type of system. In determining the best location, it is important to allow adequate access for servicing.

Some typical systems are illustrated below:

Low Loss Header



Cascade (Zoned)

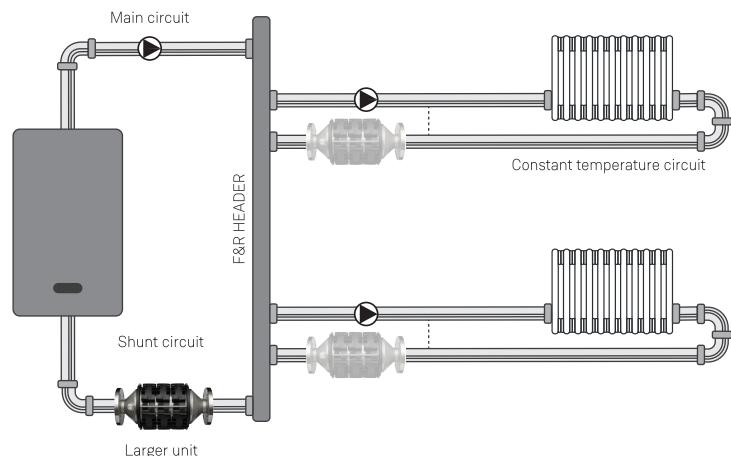
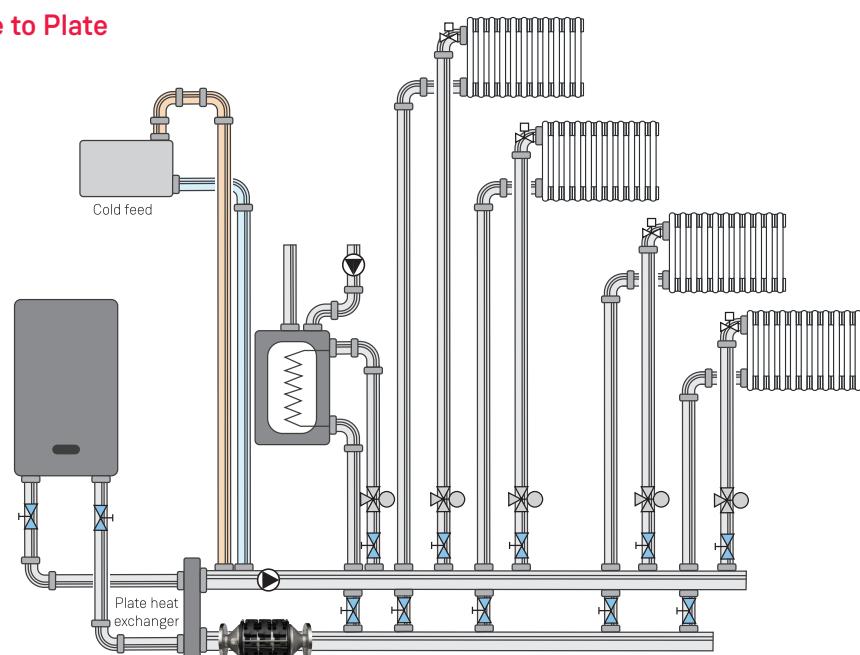
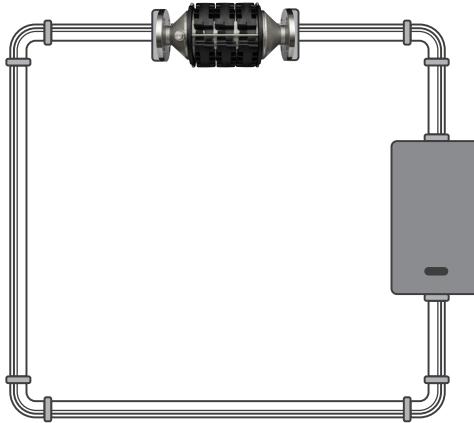


Plate to Plate

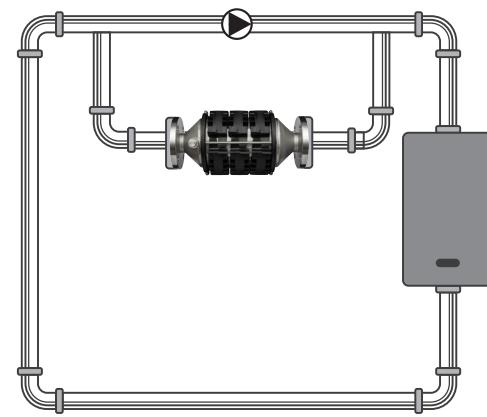


Note. For servicing, isolation valves need to be fitted either side of the filter. These valves are not supplied with the filter.

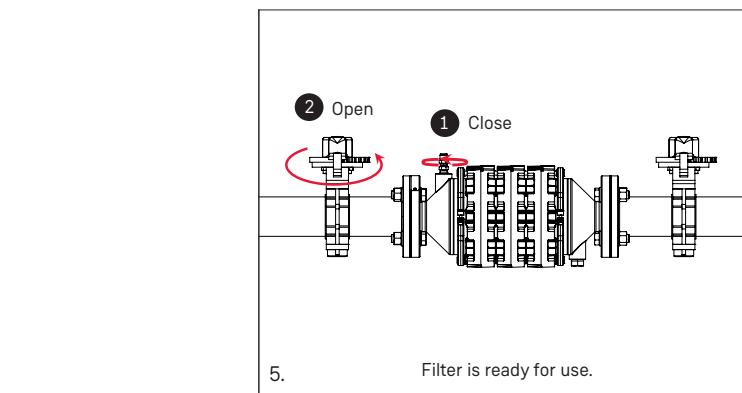
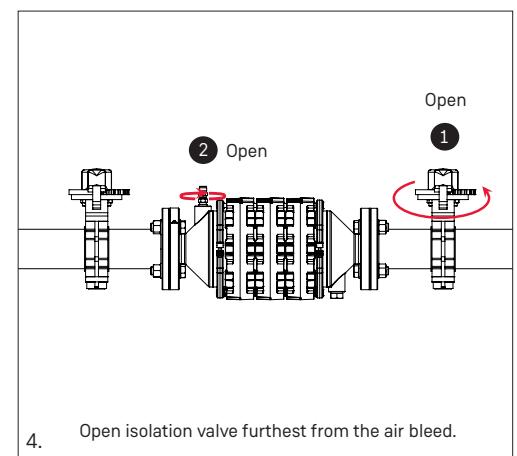
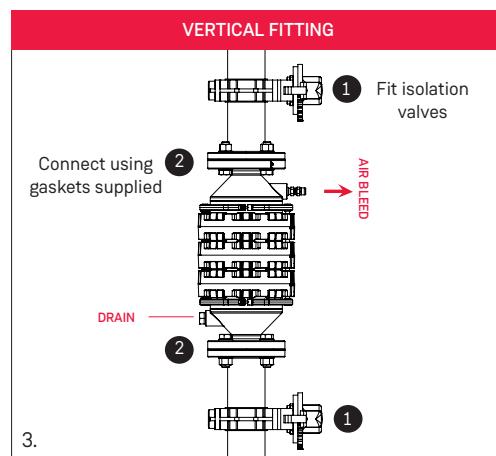
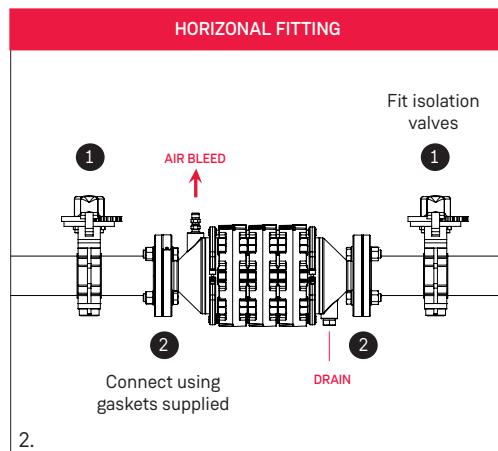
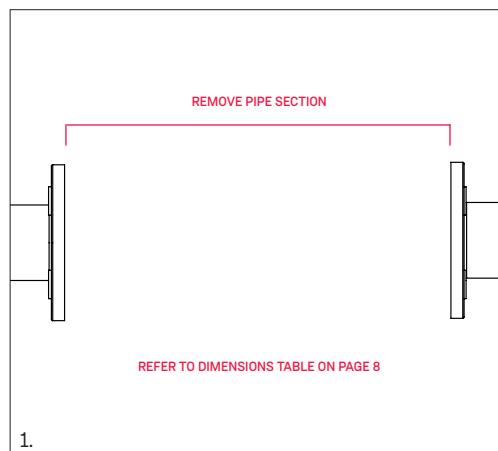
In-line



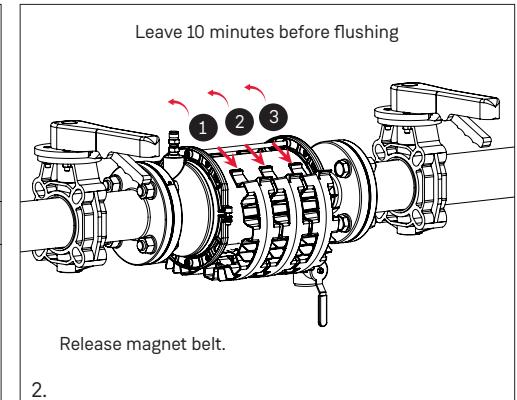
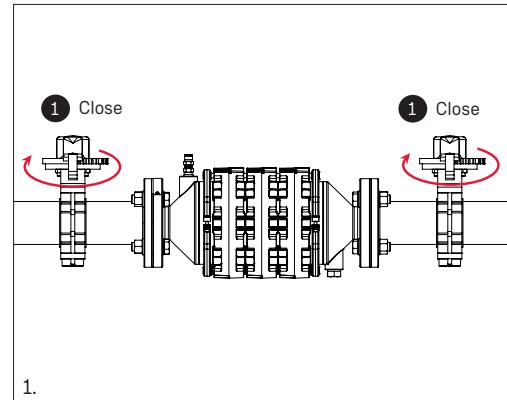
Side stream

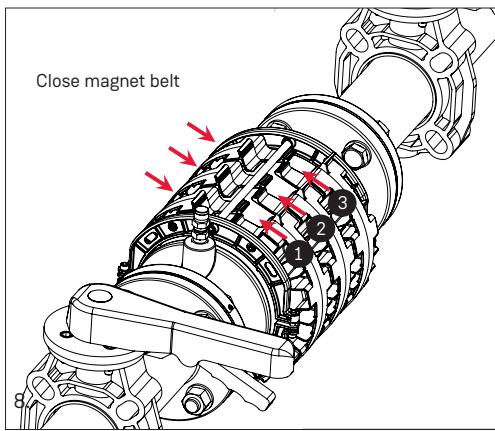
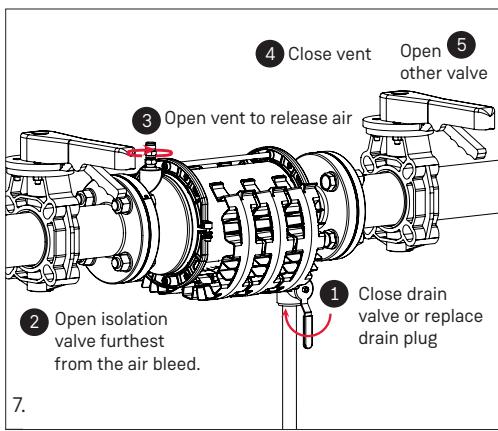
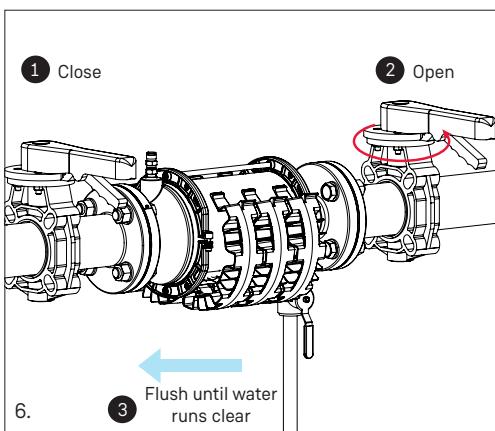
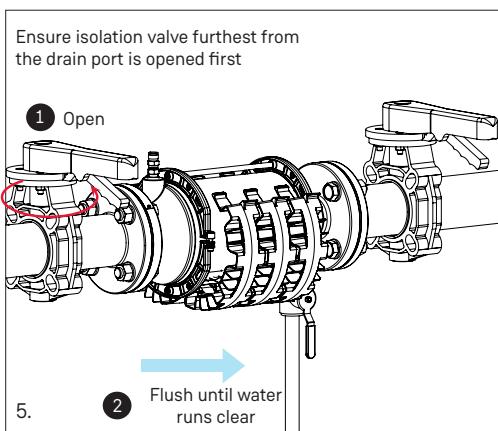
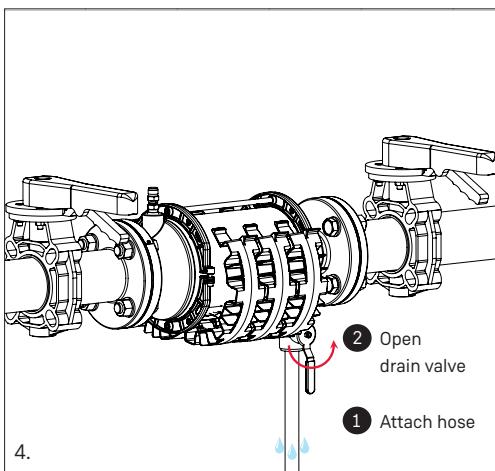
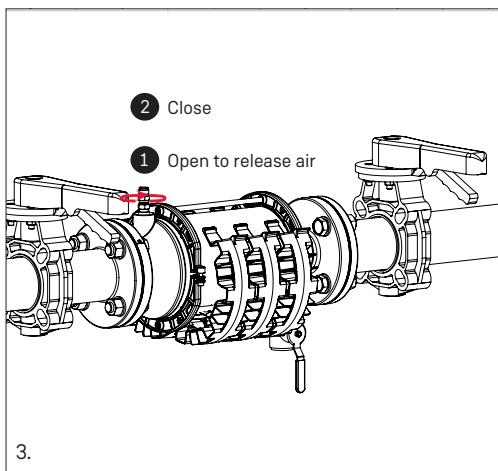


Installation



Section 3 - Servicing





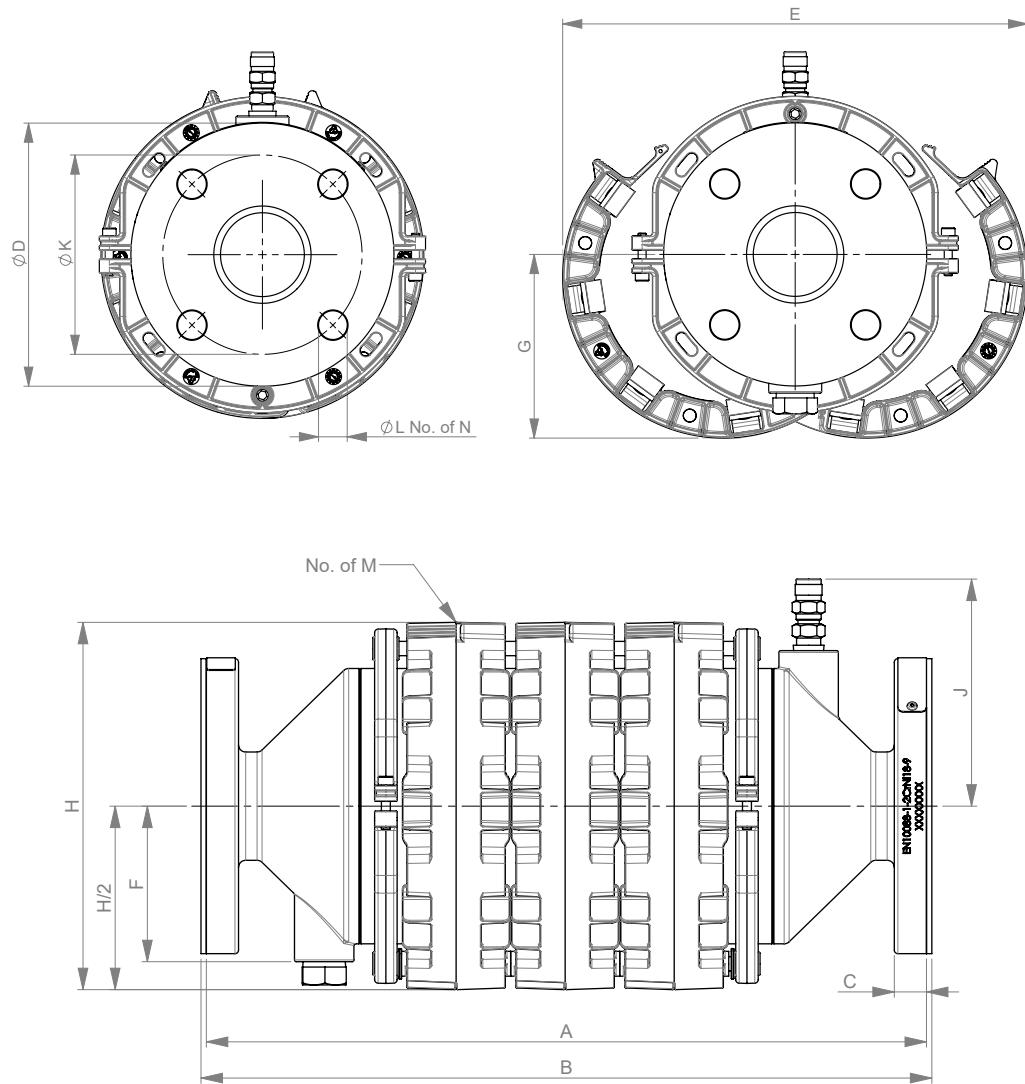
Technical Benefits

- 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

Section 4 - Technical

MagnaClean DRX	2"	3"	4"
Casing			
Material		304L Stainless Steel	
Volume Gallons (approx)	1.3	1.7	2
Flow configuration		In-line	
Seals		EPDM Flange gaskets	
Drain point thread		¾" NPT	
Maximum working pressure		145 PSI	
Maximum working temperature		212°F	
Air vent		⅜" manual air vent	
Magnet Assembly			
Casing		Glass reinforced nylon	
Magnets - type		Neodymium	
Magnets - number of	48	64	80
Magnets - dimensions		¾" Dia x ½" Thk	
Flow Flange ANSI			
Flange diameter	(6")	(7½")	(9")
Flange thickness	(¾")	(1")	(1")
Flange type ANSI		B16.5 Class 150	
Bolt size		(5/8")	
Bolt quantity	4	8	8
Bolt hole PCD	(4¾")	(6")	(7½")
Approvals			
ASME		ASME VIII DIVISION 1-2017	
Weight (lbs) ASME	24.5	36.2	46.1
Dimensions		See technical drawings	

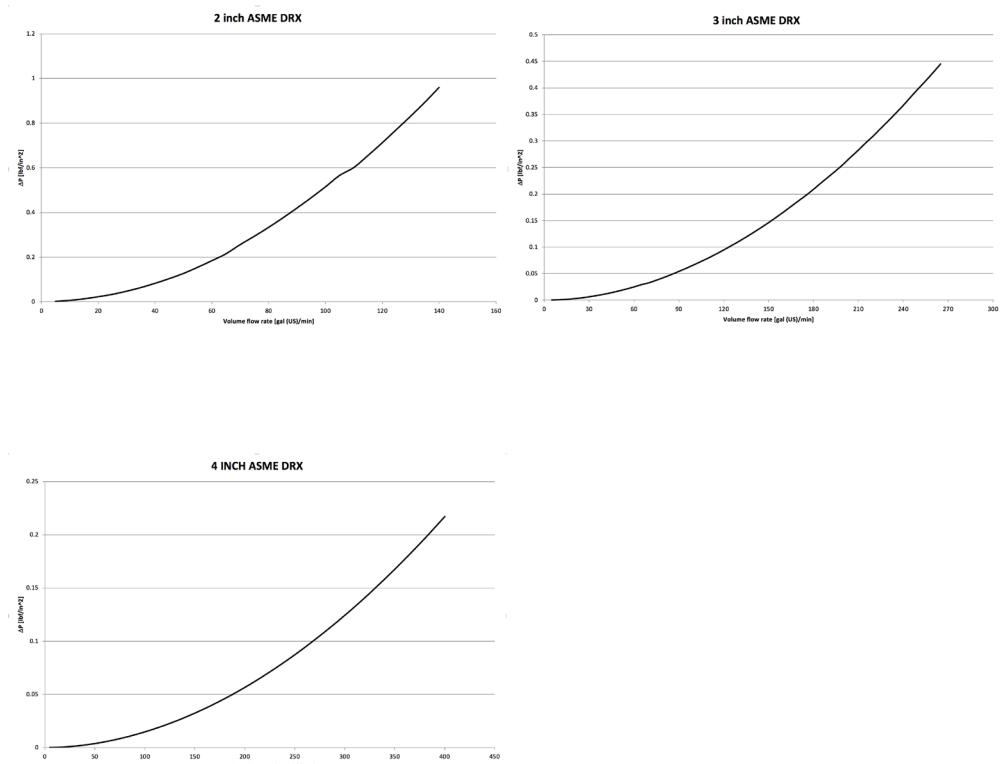
Dimensions

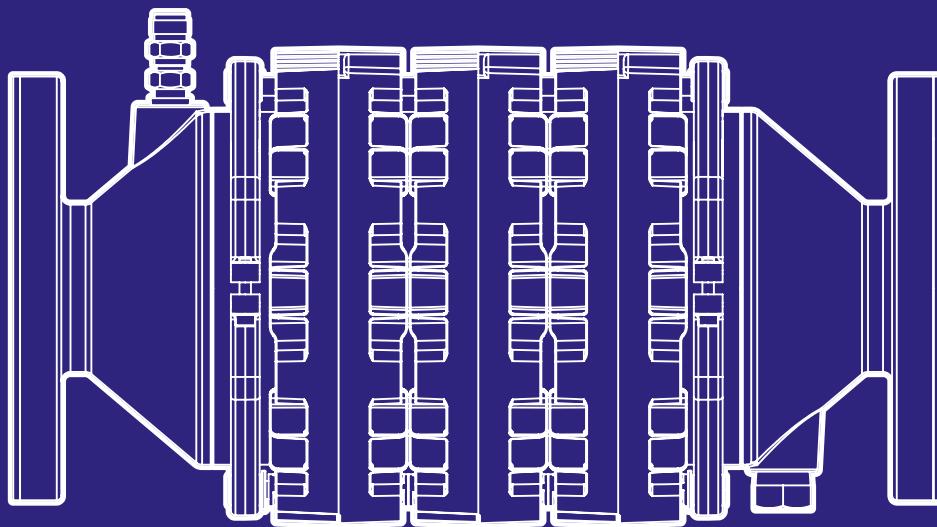


MagnaClean DRX	A	B	C	D	E	F	G	H	H/H2	J	K	L	M	N
2"	16"	16 1/4"	3/4"	6"	11 1/2"	3 1/2"	4 1/2"	8 1/8"	4"	5"	4 3/4"	19"	1/8"	1/8"
3"	18 3/4"	19"	1"	7 1/2"	11 1/2"	3 1/2"	4 1/2"	8 1/8"	4"	5"	6"	19"	1/8"	1/8"
4"	21 1/8"	21 3/8"	1"	9"	11 1/2"	3 1/2"	4 1/2"	8 1/8"	4"	5"	7 1/2"	19"	1/4"	3/8"

Pressure Differential

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





Accessories available:

- Automatic air vent
- Energy saving thermal jacket

Casing

Material: Stainless steel

Drain point thread: 3/4" NPT

Maximum working pressure: 145 PSI

Maximum working temperature: 212°F

Air vent: Manual supplied as standard,
Automatic Air Vent accessory available

Magnetic Belt

Belt: Glass Reinforced Nylon

Magnets: High power, neodymium

Flow Flange

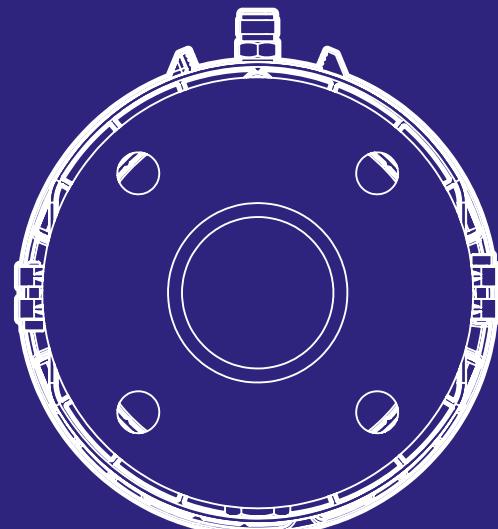
Size: PN16, supplied with EPDM gasket

Flange thickness: 3/4"

Bolt size: M16

Bolt quantity: 2" = 4, 3" & 4" = 8

Bolt hole PCD: 2" = 4 7/8", 3" & 4" = 6 1/4"



CAUTION:



MagnaClean filter contains a strong magnet. Keep away from all electrical devices, bank cards and other magnetic devices.



MagnaClean filter contains a strong magnet. Caution should be taken at all times when handling if you have a pacemaker fitted.



MagnaClean filter is a pressurized device. Always release pressure before servicing.



Unit may be hot in operation. Handle with care.

ADEY™



Telephone: 412 406 8292 Email: info@adeyusa.com

www.adey.com/us



Produced from recycled material A carbon neutral company

For the most up-to-date version of the *MagnaClean DRX* installation and servicing guide visit adey.com/us

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