



Got SLUDGE? We've Got The Solution!

High Performance Magnetic Filters for Protection of Air and Water-Cooled Chiller Systems

REDUCE MAINTENANCE COSTS

ZERO CONSUMABLES

IMPROVE ENERGY EFFICIENCY

COST EFFECTIVE



1½"-12"



1½"

Benefits of Installing ChillerMag

- Reduced risk of blockages of pipes, heat exchangers
- Improved lifespan of extremity units such as Fan Coil Units
- Improved lifespan of system components e.g. pumps, valves, and seals
- Improved heat transfer at extremity units, greater energy efficiency
- Reduced down time and maintenance costs
- Reduced Glycol usage and disposal costs



Why Choose ChillerMag?

- Protect your Chiller
- 174 psi operating pressure
- High pressure units available
- High performance magnetic design
- Zero running costs - No consumables

- Minimal pressure drop
- Fine particle filtration - sub-micron
- "Full Flow" - filters 100% of water on a single pass
- 10 year guarantee
- Easy to install and service

Typical Installations

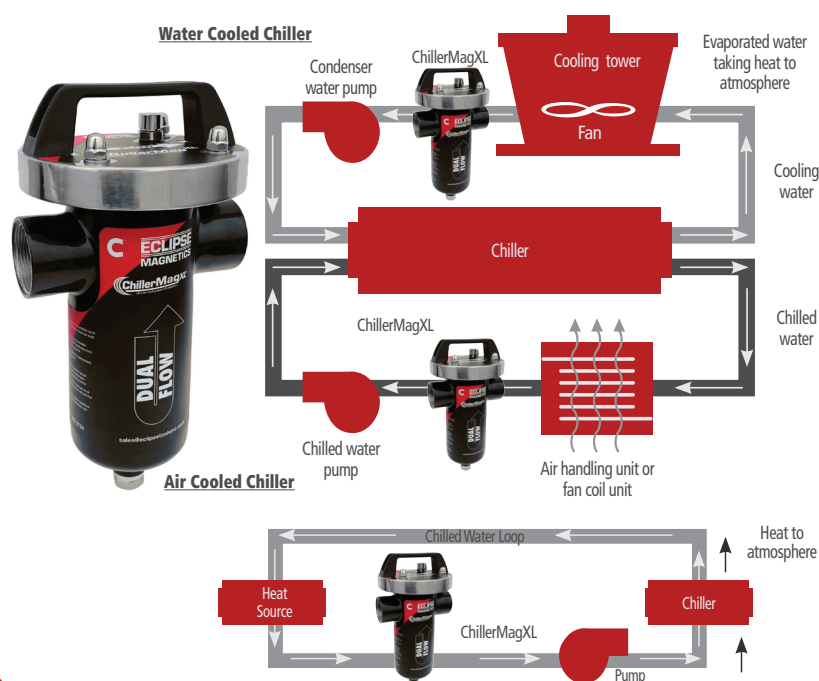
- Air and water cooled chiller systems
- Protecting Fan Coil Units (FCUs) in large buildings
- Product cooling systems in food and drink manufacturing
- Plate heat exchangers

- Hospitals - operating and intensive care units
- Open & closed cooling tower circuits
- Machinery cooling systems

Getting To Know Your ChillerMag

Typical ChillerMag installations are usually located in the plant room on the main return to the pump. In larger systems it may be advisable to install additional filters in positions of high contamination risk as contamination can settle prior to reaching the filter.

ChillerMag XL



Performance

Magnetic performance	4.000 Gauss
Volume	Patented Micromag style core
Pressure	0.33 gal (1.24 litres)
	174 psi (12 Bar) operating pressure
	(145 psi (10 Bar) if using automatic air vent)
Flow rate	28 gpm (6m³/h)
Collection capacity	2.2 lbs (1kg)
Temperature	41-302°F (5° to 150°C)
	(212°F (100°C) if using automatic air vent)

Magnet material	Rare earth neodymium iron boron
Mesh filter	1mm, quick release mesh (for cleaning)
Surface finish	Powder coated
Ports	1½" NPT
O Ring Seal	EPDM
Options	1½" BSP
Includes	Optional automatic air vent
	Multifunctional cleaning tool/spanner



Example of pipe suffering contamination build up

ChillerMag XT

Item Code	Part No.	Inlet / Outlet	No. magnetic rods	Flow rate at 3ft/sec gallons/min. (m³/hour)	Flow rate at 5ft/sec gallons/min. (m³/hour)	Flow rate at 8ft/sec gallons/min. (m³/hour)	Weight lbs/kgs
CMXT/1.5	CMXT100/ANSI	1½" / 38mm	3	17 (4)	28 (6)	44 (10)	20 / 9
CMXT/1.5NPT	CMXT100/NPT	1½" NPT	3	17 (4)	28 (6)	44 (10)	19 / 8
CMXT/2	CMXT150/ANSI	2" / 50mm	5	20 (5)	48 (11)	78 (18)	42 / 19
CMXT/2NPT	CMXT150/NPT	2" NPT	5	20 (5)	48 (11)	78 (18)	40 / 18
CMXT/2.5	CMXT150/2.5/ANSI	2½" / 63mm	5	46 (10)	77 (17)	122 (28)	44 / 20
CMXT/3	CMXT200/3/ANSI	3" / 75mm	7	65 (15)	110 (25)	175 (40)	82 / 37
CMXT/4	CMXT200/ANSI	4" / 100mm	7	120 (27)	200 (45)	315 (72)	82 / 37
CMXT/6	CMXT300HF/ANSI	6" / 150mm	9	260 (59)	440 (100)	700 (159)	133 / 60
CMXT/8	CMXT300HF/8/ANSI	8" / 200mm	9	475 (108)	775 (176)	1250 (284)	140 / 64
CMXT/10*	CMXT400/10/ANSI*	10" / 250mm	16	750 (170)	1225 (278)	1950 (443)	190 / 86
CMXT/12*	CMXT400/12/ANSI*	12" / 300mm	16	1100 (250)	1780 (404)	2800 (636)	195 / 88

* Made to order sizes

Performance

Magnetic performance	9.000 Gauss
Performance reading	On tube surface
Magnet material	Rare earth neodymium iron boron
Magnet grade	N42SH
	inspected and confirmed by hystergaph prior use
Pressure	174 psi (12 Bar) operating pressure
	(145 psi (10 Bar) if using automatic air vent)
Temperature	41-302°F (5° to 150°C)
	(212°F (100°C) if using automatic air vent)
Surface finish	Internal - bead blast
	External - powder coated, black
Sealing	EPDM
Options	High temperature samarium cobalt magnetic material +482°F / 250°C
Includes	Optional automatic air vent