



FilClean™ RDM

Rotating Drum Magnetic Self Cleaning Filters

Machine Tool Coolant

Machine Oil

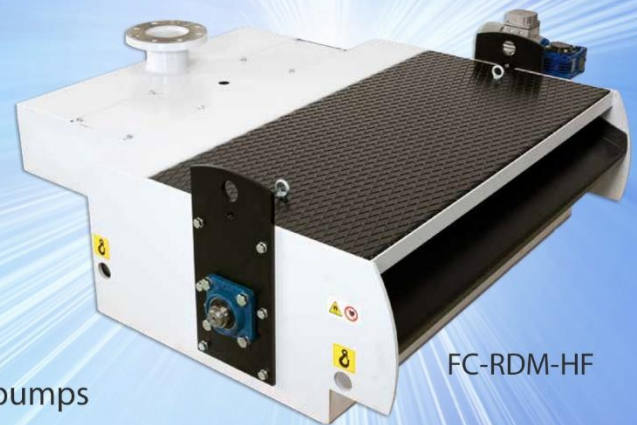
Automatic Continuous Self Cleaning Magnetic Filtration

FilClean™ RDM is a maintenance free rotating magnetic drum separator for machine tool coolants and oils contaminated with high levels of magnetic machining waste such as grinding swarf or chips.

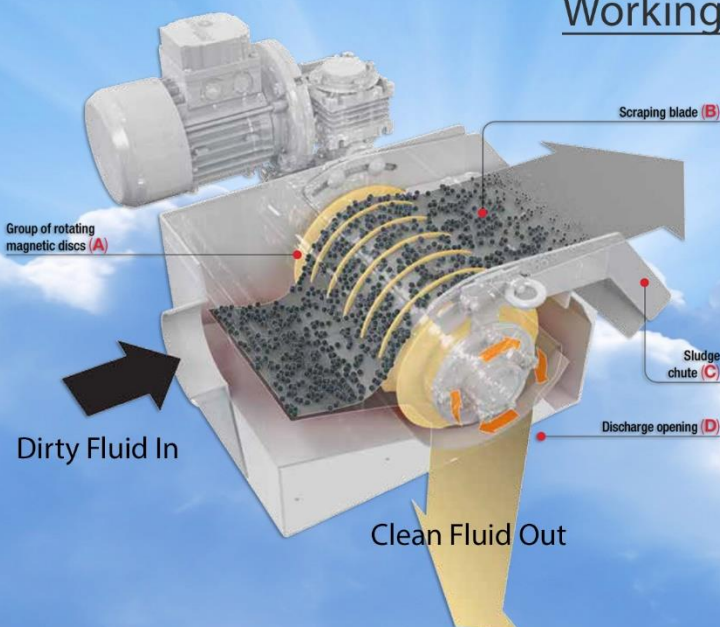
The FilClean™ RDM c comes in flow rates ranging from 13 up to 475 gallons per minute depending if it is to be used on water based coolants or neat oil. Check specifications on back of this brochure for specific model flow rate.

The FilClean™ RDM provides constant removal of ferric particles from fluid without any consumable costs and can also be used as a stand alone filter or paired with the MSC FilClean™ IDX self indexing gravity filter.

MSC can also integrate the FilClean™ RDM into specialty built custom filtration systems that include tanks, coolant pumps and coolant chillers.



Working Principles



1. Contaminated fluid gravity drains across the group of rotating magnetic discs (A), where magnetic particles are captured. The magnetic discs automatically rotate bringing trapped particles with them.
2. A scraping blade (B) removes the ferric metallic particles from the rotating group, driving them to the sludge chute (C) which drops the waste into an external customer supplied waste drum.
3. Clean fluid gravity drains down through (D) discharge opening into a clean tank below for reuse in the machining process.

FilClean RDM Ordering Information

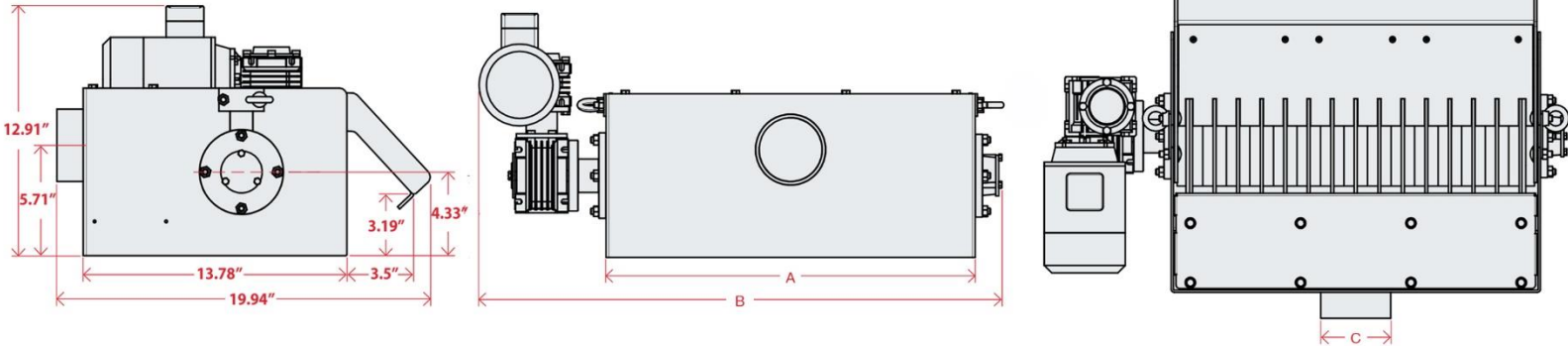
FC-RDM- TABLE 1 - TABLE 2 - TABLE 3

Model
 LF - Low Flow
 HF - High Flow

Type
 (See Table)

Voltage
 2 - 230V 3/60
 4 - 460 3/60

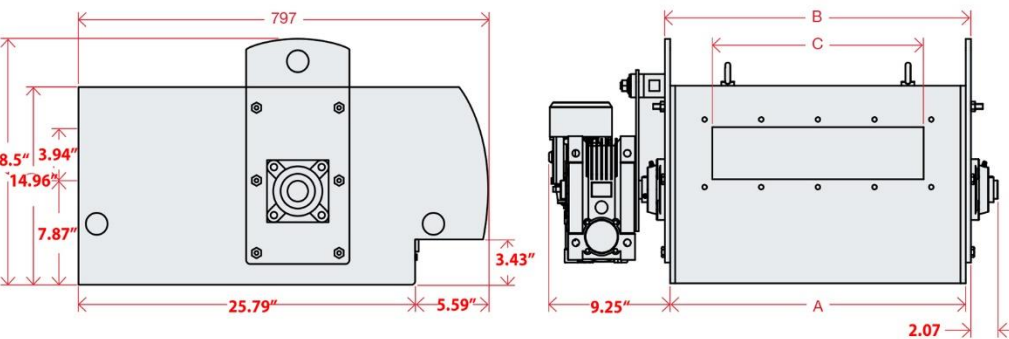
FC-RDM-LF - Specifications



LF TYPE	Dimensions		
	A	B	C
50	6.30"	14.57"	3"
100	9.29"	17.52"	3"
150	13.78"	22.05"	3"
200	16.77"	25.00"	3"
250	19.76"	27.95"	3"
300	25.75"	34.84"	3"
400	33.23"	42.52"	3"
500	40.71"	49.80"	3"

LF TYPE	Max filtering cap. soluble oil	Max filtering cap. neat oil	Weight LBS
	GPM	GPM	
50	13	6.5	209
100	26	13	352
150	39	19.5	529
200	52	26	694
250	66	33	914
300	79	39.5	1157
400	105	52.5	1366
500	132	66	1543

FC-RDM-HF - Specifications (Recommended For Heavy Duty High Flow Large Machine Tools, Centralized Applications Machining Centers, Grinding, Deep Drilling and Hard Machining)



HF TYPE	Max filtering cap. soluble oil	Max filtering cap. neat oil
	GPM	GPM
600	158	79
900	237	118
1200	317	158
1500	396	198
1800	475	237

HF TYPE	Dimensions Inches		
	A	B	C
600	22.6	23.39	16.14
900	33.43	34.21	20.47
1200	44.25	45.04	29.13
1500	55.04	55.83	37.8
1800	65.91	66.69	46.46



Corporate Offices & Distribution Center

MSC Filtration Technologies
 198 Freshwater Blvd.
 Enfield, Connecticut 06082
 Ph: 800-237-7359 | (860)745-7475
 Fax: (860) 745-7477

Email: sales@mscfiltertech.com
 Web: www.mscfiltertech.com