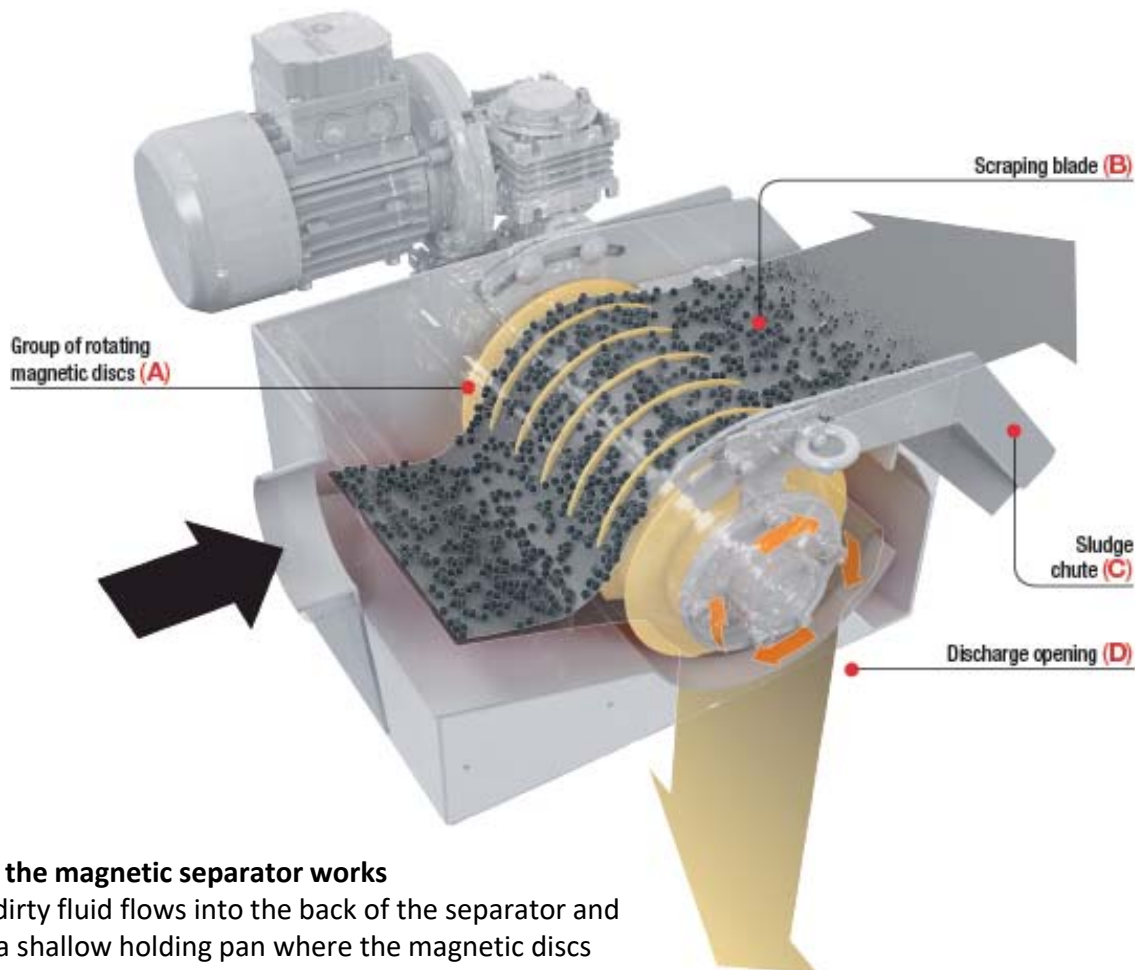


Rotating Magnetic Disc Separators



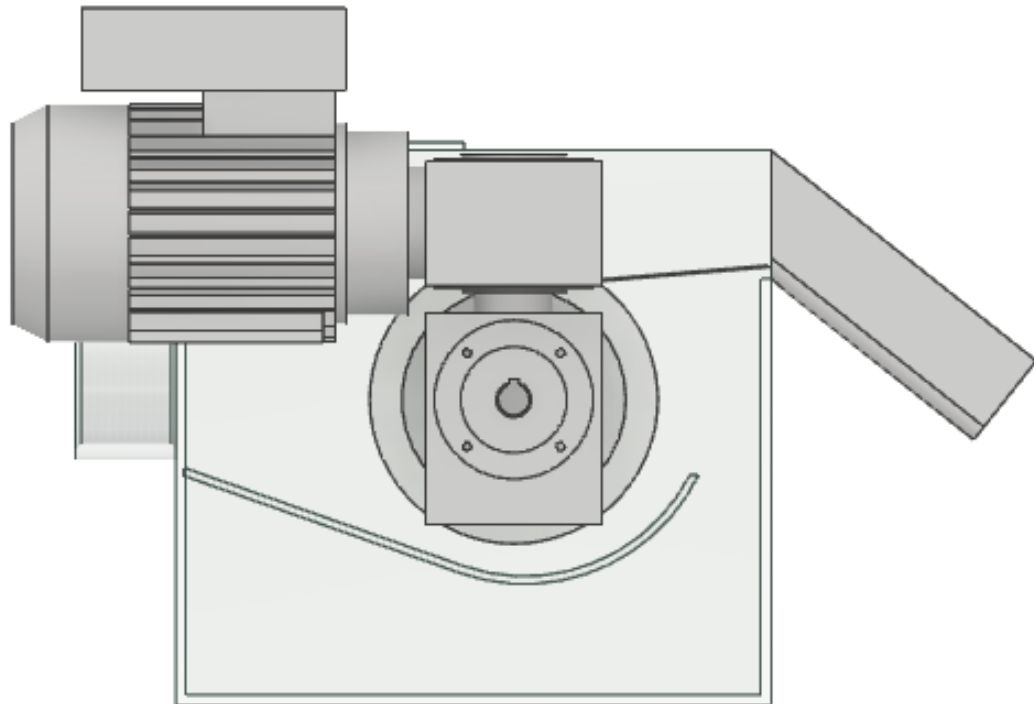
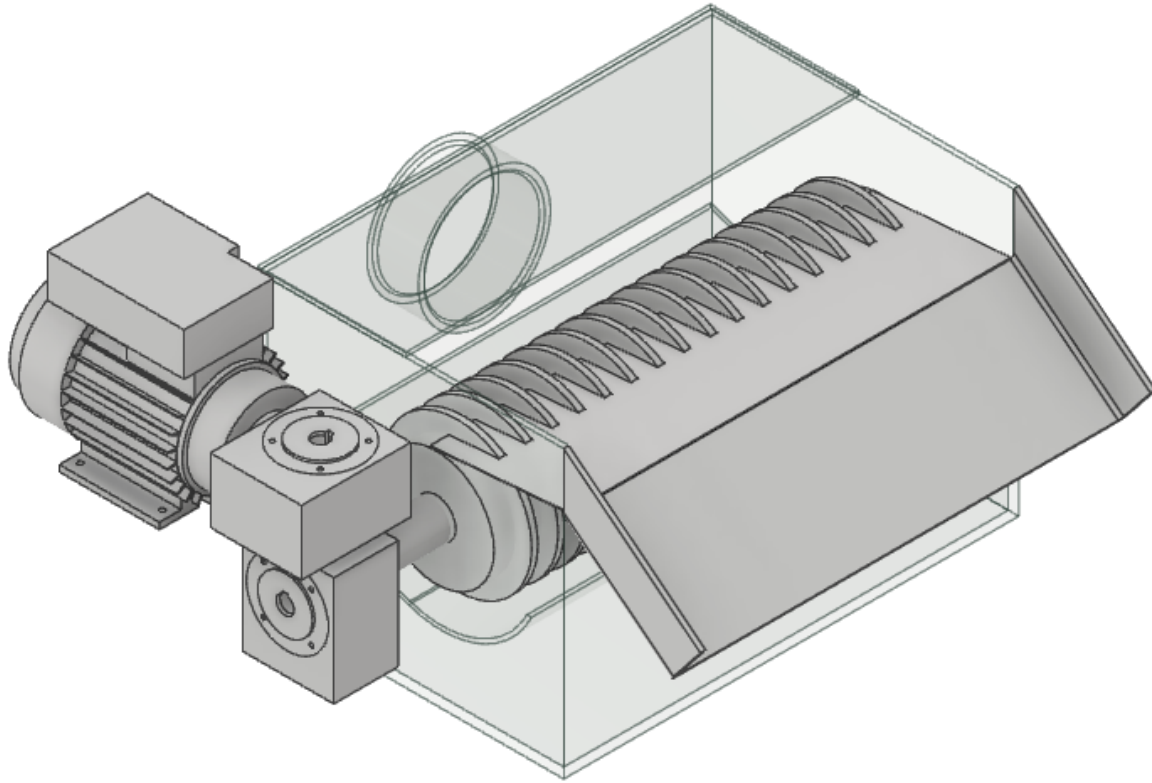
The rotating magnetic disc separator is a heavy duty magnet that removes ferrous particulate of 0.25" x 0.25" or smaller from metal working fluids and other process fluids. Magnetic disc separators have a very high percentage of particulate removal which helps keep the fluid clean as well as protect pumps and supply lines from premature failure. It is built for the industrial use using thick steel magnetic steel discs and metal wipers. The fines coming from the magnetic separator slide down the discharge shoot with minimal fluid drag off. They can be used as stand alone units or combined with our paper bed filter systems to reduce roll media usage.



How the magnetic separator works

The dirty fluid flows into the back of the separator and into a shallow holding pan where the magnetic discs continually turn attracting the ferrous fines. The shallow holding pan will fill and overflow back into the reservoir from which it came. As the metal fine layer on the magnetic discs builds, it is removed by the metal scraping blades. The fines then slowly build up on the discharge shoot until they slide down into a client provided holding container (i.e. 55 gallon drum).

Rotating magnetic disc separators



Magnetic Separators

DMD Series Magnetic Separator

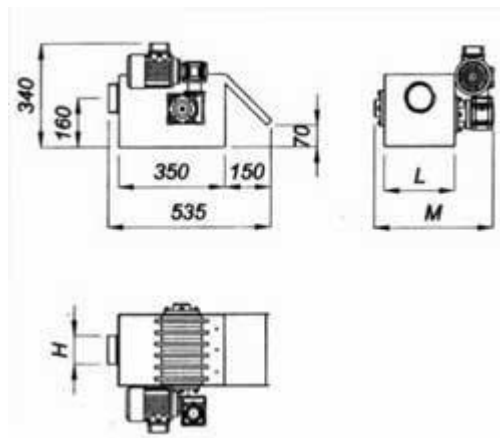
The magnetic separator is a heavy duty magnet that removes ferrous particulate and is designed to extend the life of water-based coolants, synthetics and alkaline wash water by removing metallic fines of 0.25" x 0.25" or smaller. Our magnetic separator has a very high percentage of particulate removal which helps keep the fluid clean as well as protect pumps and supply lines from premature failure. It is built for the industrial sector using thick steel magnetic steel discs and metal wipers. The fines coming from the magnetic separator slide down the discharge shoot with minimal fluid drag off. They can be used as stand alone units or combined with our paper bed filter systems to reduce roll media usage.



Applications for the separator can be found in metalworking facilities on machines such as grinding, turning and general machining operations. They are used as well in the mechanical, chemical, dyeing, food, glass, washing, painting, and water treatment industry.

How the magnetic separator works

The dirty fluid flows into the back of the separator and into a shallow holding pan where the magnetic discs continually turn attracting the ferrous fines. The shallow holding pan will fill and overflow back into the reservoir from which it came. As the metal fine layer on the magnetic discs builds, it is removed by the metal wipers. The fines then slowly build up on the discharge shoot until they slide down into a client provided holding container (i.e. 55 gallon drum).



Note: Numbered callouts in line drawing are in mm not inches.

DMD Series	50	100	150	200	250	300	400
Width (L)	6.3"	9.4"	13.8"	16.5"	19.9"	25.6"	33.1"
Overall Width (M)	14.2"	17.3"	21.7"	24.4"	27.8"	33.5"	40.9"
Inlet NPT	3"	3"	3"	3"	3"	3"	3"
Filter Oil GPM	6	13	20	26	33	40	53
Filter Water GPM	13	26	39	52	66	79	105

PRO/MARK INDUSTRIALS

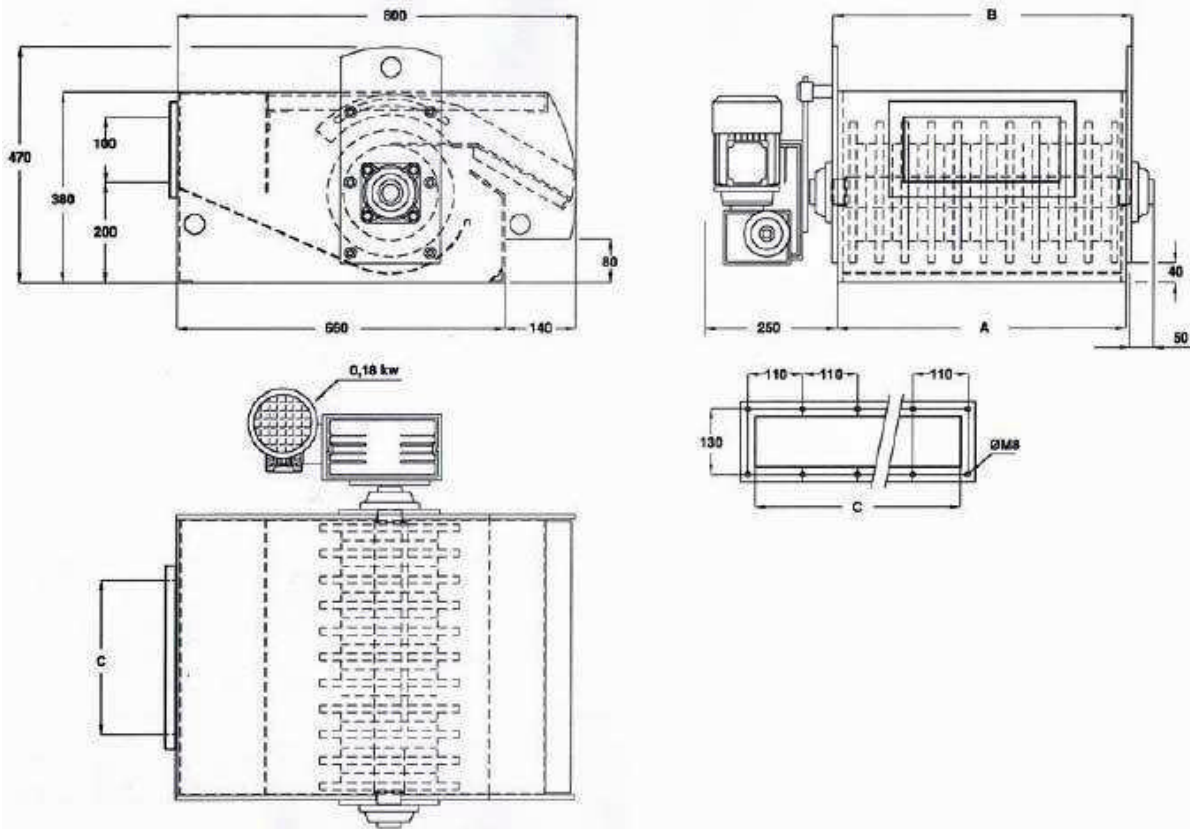
Div. R.D. Lewis Sales Limited

Lubrication & Fluid Handling Solutions
Sales - System Design - Consulting

DMD P Series High Flow Magnetic Separator

The DMD P Magnetic Separator is made to separate ferrous metals from contaminated fluid at very high flow rates. These units can be combined with a tank to handle several machines at once as a central filtration system or stand alone to accommodate higher flow machinery.

The dirty fluid flows into the back of the separator and into a shallow holding pan where the magnetic discs continually turn attracting the ferrous fines. The shallow holding pan will fill and overflow back into the reservoir from which it came. As the metal fine layer on the magnetic discs builds, it is removed by the metal wipers. The fines then slowly build up on the discharge shoot until they slide down into a client provided holding container (i.e. 55 gallon drum).



DMD P	600		900		1200		1500		1800	
	l/min.	GPM	l/min.	GPM	l/min.	GPM	l/min.	GPM	l/min.	GPM
Emulsions	600	159	900	237	1200	317	1500	396	1800	476
Oil	300	79	450	119	600	157	750	198	900	126

Dimensions	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
A	574	22.6	850	33.5	1124	44.25	1398	55	1674	66
B	594	23.4	870	34.25	1144	45	1418	55.8	1694	66.7
C	410	16.14	520	20.5	740	29.13	960	37.8	1180	46.5
Kg / lbs.	280	750	360	964.5	450	1206	530	1420	620	1661

PRO/MARK INDUSTRIALS

Div. R.D. Lewis Sales Limited

Lubrication & Fluid Handling Solutions
Sales - System Design - Consulting