



Engineered
Filtration, Inc.



MAGNETIC
SEPARATOR

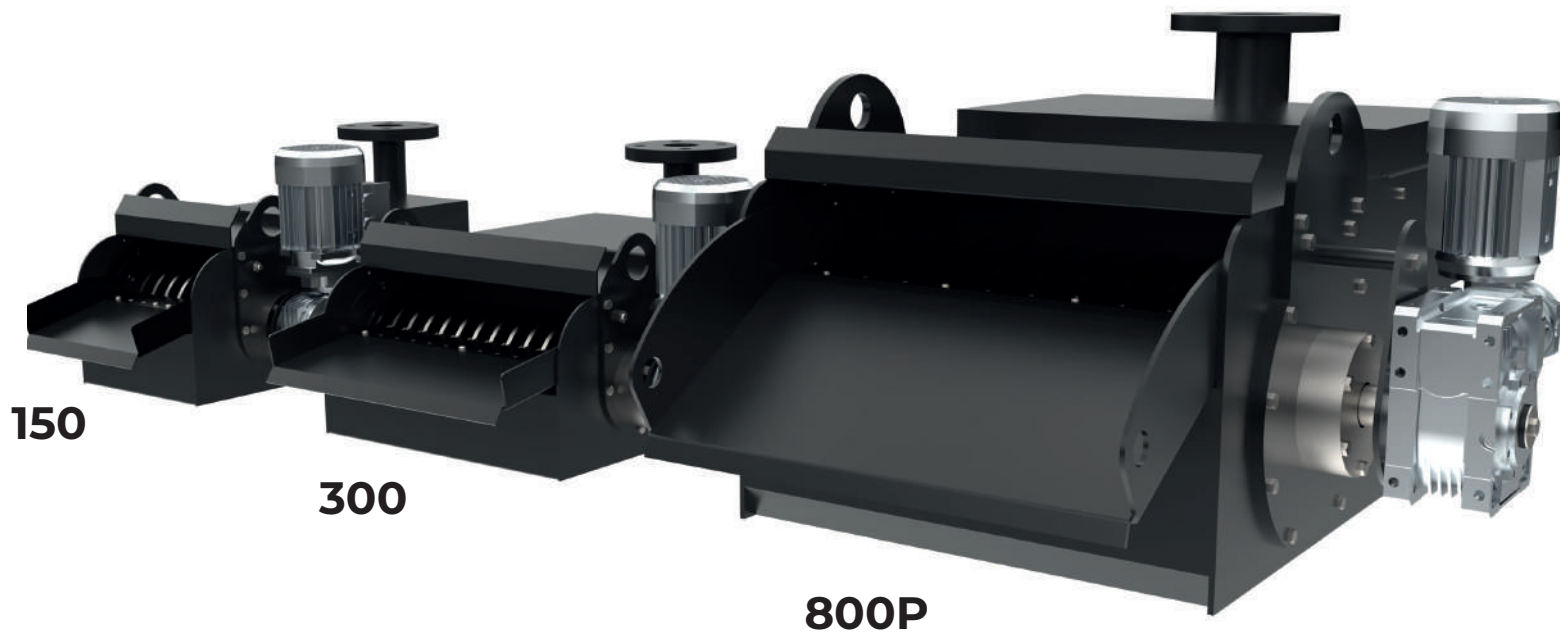
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Magnetic separator for industrial coolants.

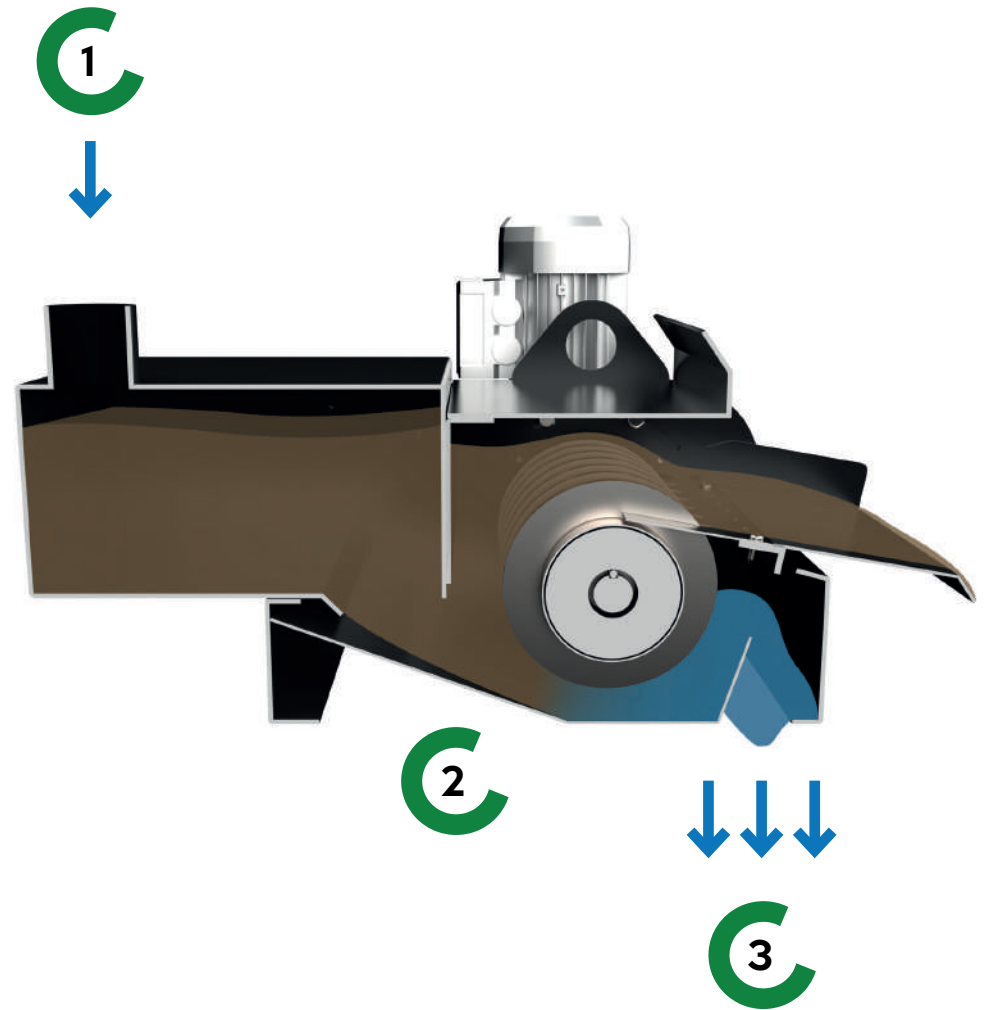
A complete range of magnetic filters ideal for the separation of magnetic solids from the metalworking process.

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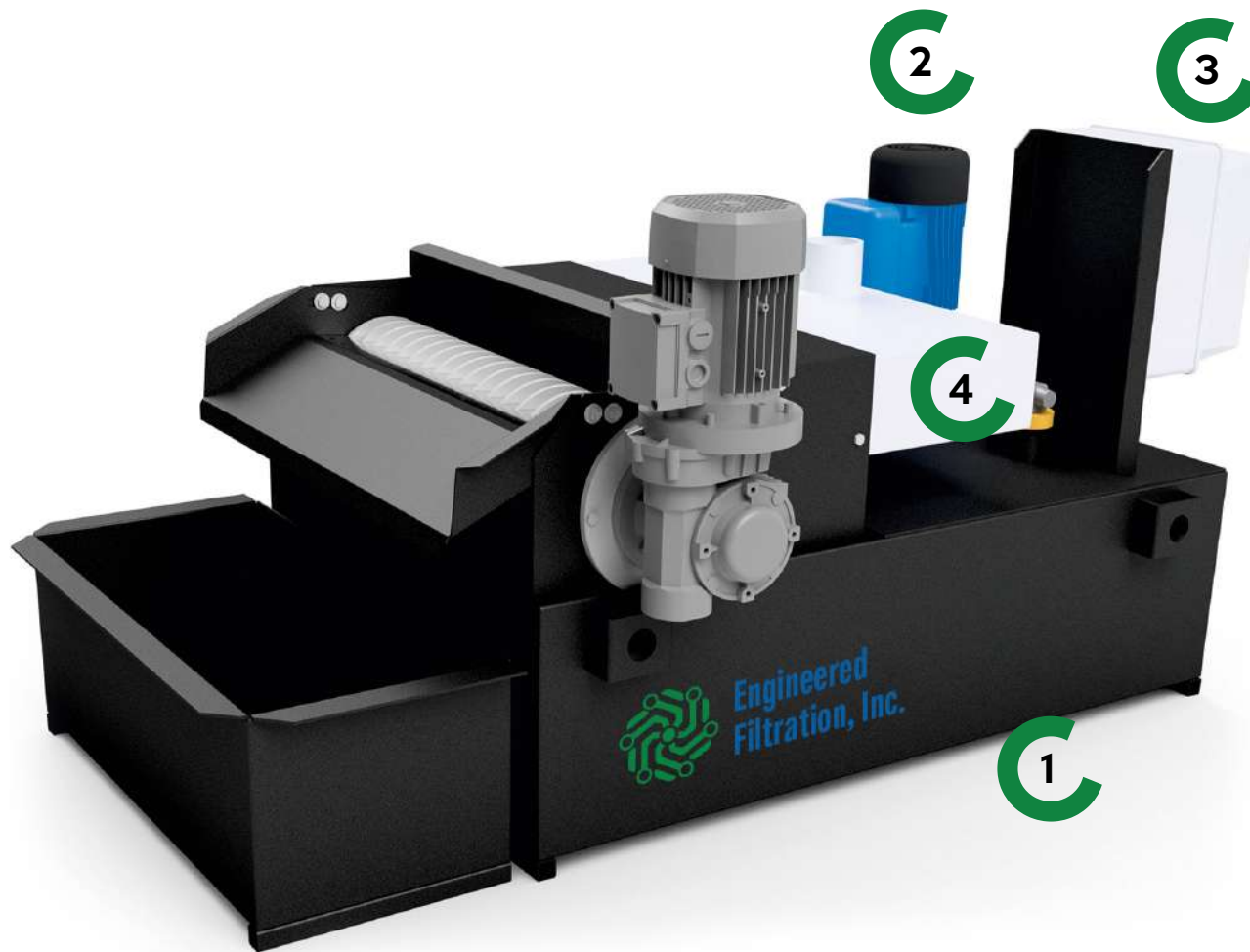


OPERATING PRINCIPLE

- 1 Dirty Liquid Inlet:**
Contaminated coolant or lubricant flows into the diffuser and passes through the rotating magnetic discs.
- 2 Filtration:**
Ferrous solids are captured by the rotating magnetic discs. A stainless steel scraper blade removes the solids collected. The solids fall down a chute for collection.
- 3 Reuse of clean Lubricant Coolant:**
Clean coolant or lubricant flows out the bottom by gravity to a collection tank and is ready to be used again in the process.



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OPTIONALS



- 1 Clean coolant tank
- 2 Clean coolant transfer pump

- 3 Electric box
- 4 Coolant diffusing vessel

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ADVANTAGES



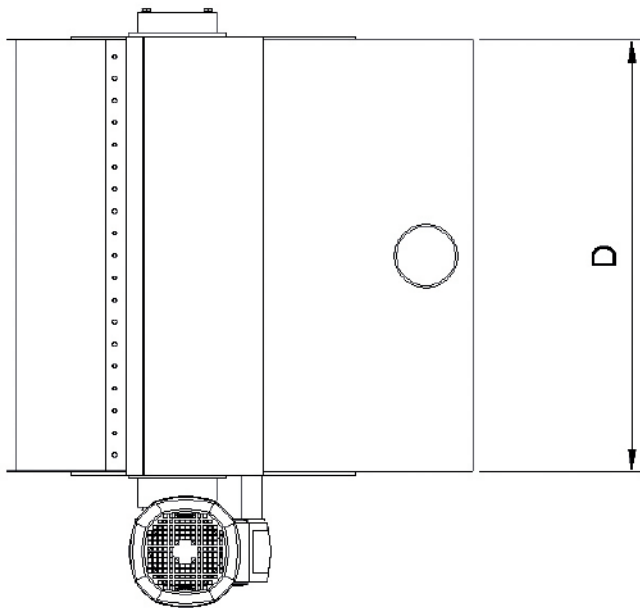
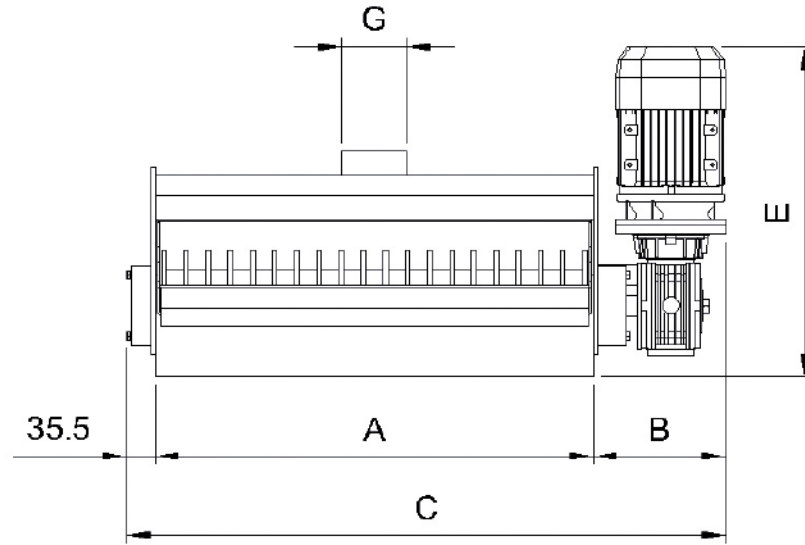
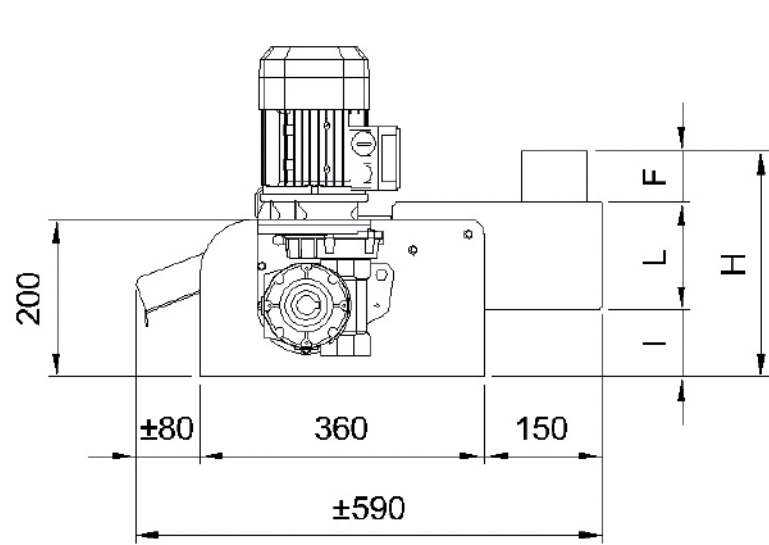
Modular:

A wide range of models for the proper match to the machine tool application.

Combinable:

Automag magnetic separators can be combined with our coolant filter beds to reduce filter media consumption and improve filtration.

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TECHNICAL DETAILS



Automag	50	100	150	200	300	400	500	600P	800P	1000P	1500P
Max. flowrate emulsion (l/m/GPM)	50/13	100/26	150/39	200/52	300/79	400/105	500/132	600/158	800/211	1000/264	1500/396
Max. flowrate neat oil (l/m/GPM)	35/9	70/18	105/27	140/36	210/55	280/73	350/92	420/110	560/147	700/184	1050/277
A (mm/in)	190/7.4	246/9.6	330/12.9	386/15.1	554/21.8	750/29.5	946/37.2	522/20.5	810/31.88	954/37.55	1482/58.3
B (mm/in)	145/5.7	145/5.7	145/5.7	145/5.7	168/6.6	168/6.6	168/6.6	210/8.26	230/9.05	230/9.05	230/9.05
C (mm/in)	370/14.5	426/16.7	510/20	566/22.2	758/29.84	954/37.5	1150/45.27	790/31	1100/43.3	1245/49.01	1775/69.8
D (mm/in)	184/7.2	240/9.4	324/12.7	380/14.9	548/21.5	744/29.2	940/37	510/20	798/31.4	942/37.08	1470/57.8
E (mm/in)	341/13.4	341/13.4	341/13.4	341/13.4	418/16.4	418/16.4	418/16.4	437/	526/20.7	526/20.70	526/20.7
F (mm/in)	43/1.69	48/1.8	56/2.2	56/2.2	65/2.5	71/2.79	71/2.79	71/2.79	110/4.33	110/4.33	110/4.33
G (Ø)	1" G	1" ½ G	2" G	2" G	2" ½ G	3" G	3" G	3" G	4" G/DN100	6" G/DN101	6" G/DN102
H (mm/in)	264/10.3	269/10.5	277/10.9	277/10.9	286/11.4	292/11.4	292/11.4	471/18.54	510/20.07	510/20.07	510/20.07
I (mm/in)	85/3.3	85/3.3	85/3.3	85/3.3	85/3.3	85/3.3	85/3.3	200/7.87	200/7.87	200/7.87	200/7.87
L (mm/in)	136/5.3	136/5.3	136/5.3	136/5.3	136/5.3	136/53.2	136/53.2	200/7.87	200/7.87	200/7.87	200/7.87



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