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Filtration, Inc.

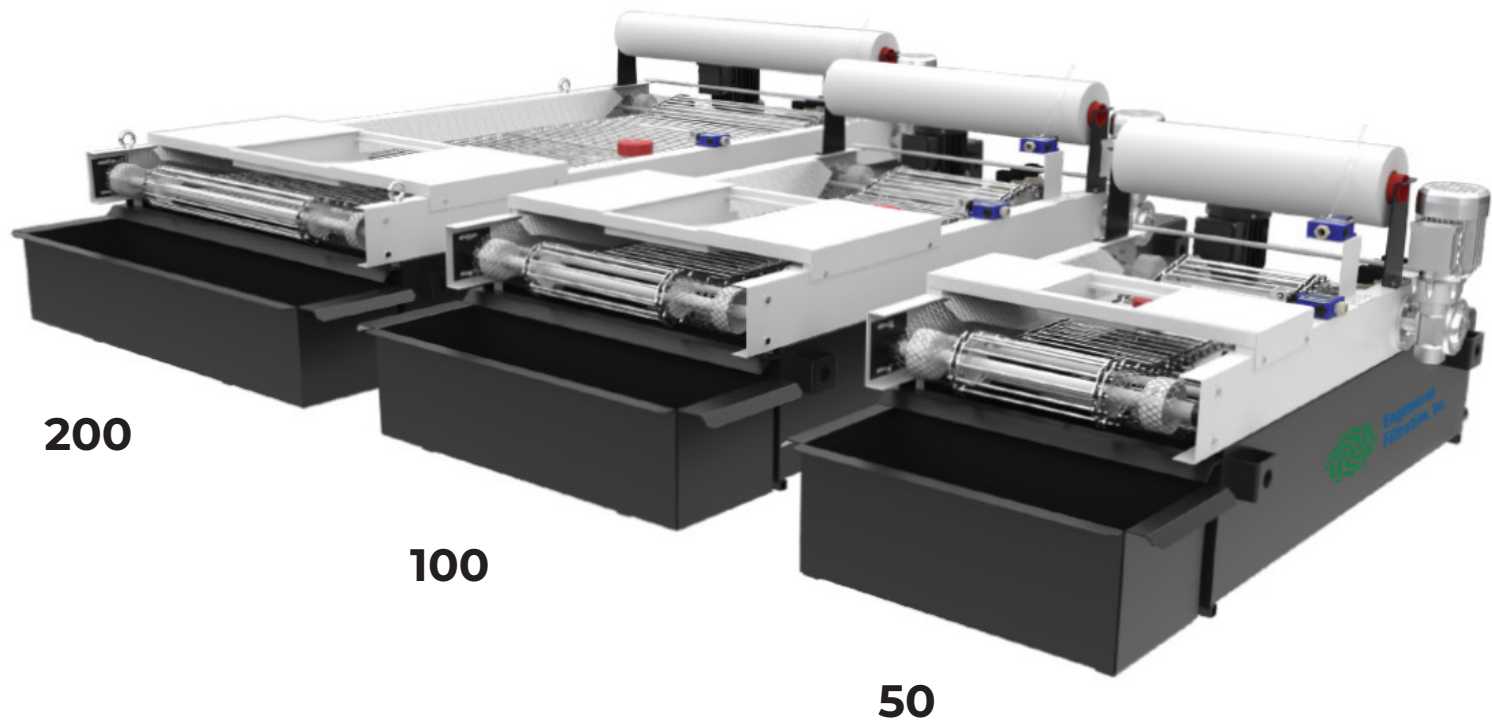


FLAT BED COOLANT FILTERS

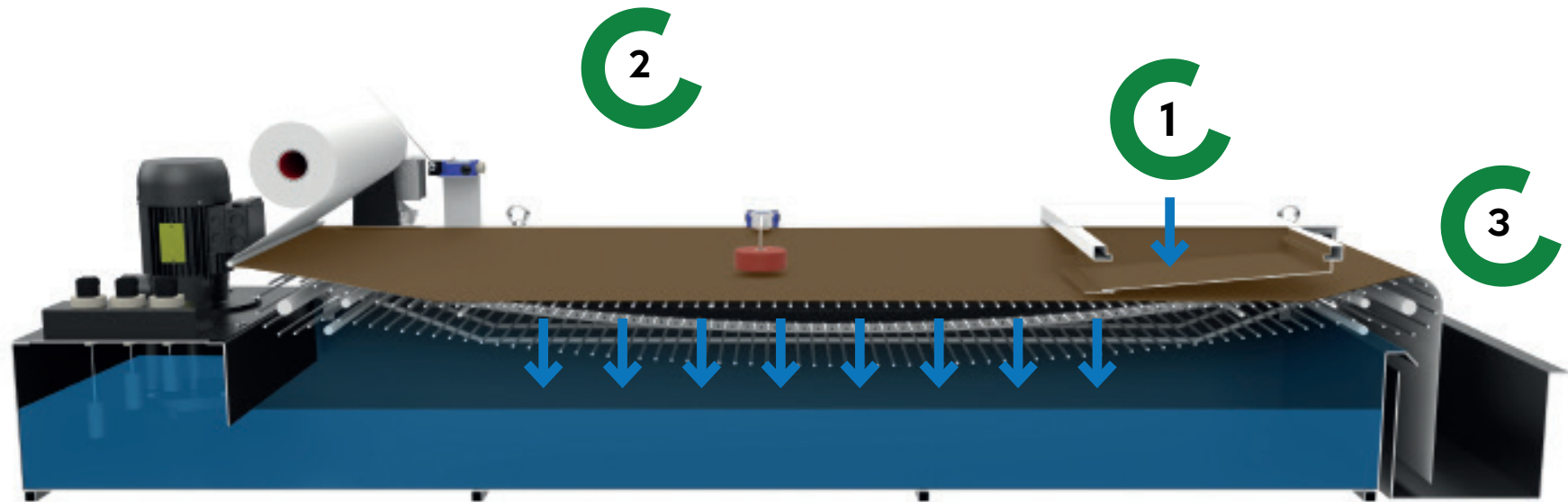
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Flat bed coolant filtration systems.

A range of industrial coolant filters using filter fabric, suitable for treatment of emulsion and neat oil.



WORKING PRINCIPLES



1

Dirty coolant entry:

The contaminated coolant is conveyed to a diffuser and distributed onto the underlying filter fabric which retains the polluting particles; the now clean coolant flows into the containment tank.

2

Filtration process:

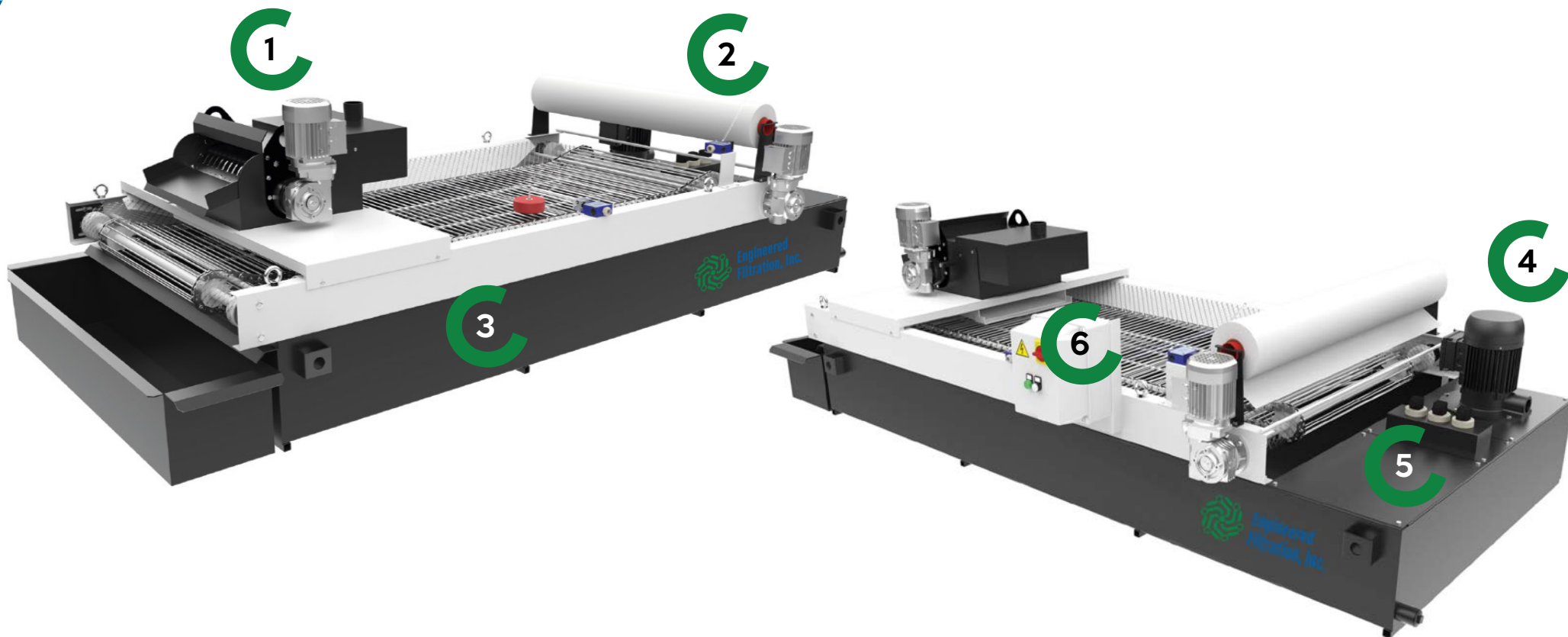
The filter fabric progressively captures and accumulates the polluting sludge particles until it becomes clogged; the coolant, no longer able to pass through the filter media, rises in level and with it rises the float. This activates a microswitch which controls the carpet advancement and the subsequent replacement of the exhausted filter fabric.

3

Recycling of filtered coolant:

The consumed filter fabric is collected in a sludge tank located at the foot of the coolant filter, while the filtered liquid can be returned to the machine tool via a transfer pump.

INDEX OPTIONALS



1 Automag magnetic separator

2 End of roll switch

3 Clean coolant tank

4 Clean coolant transfer pump

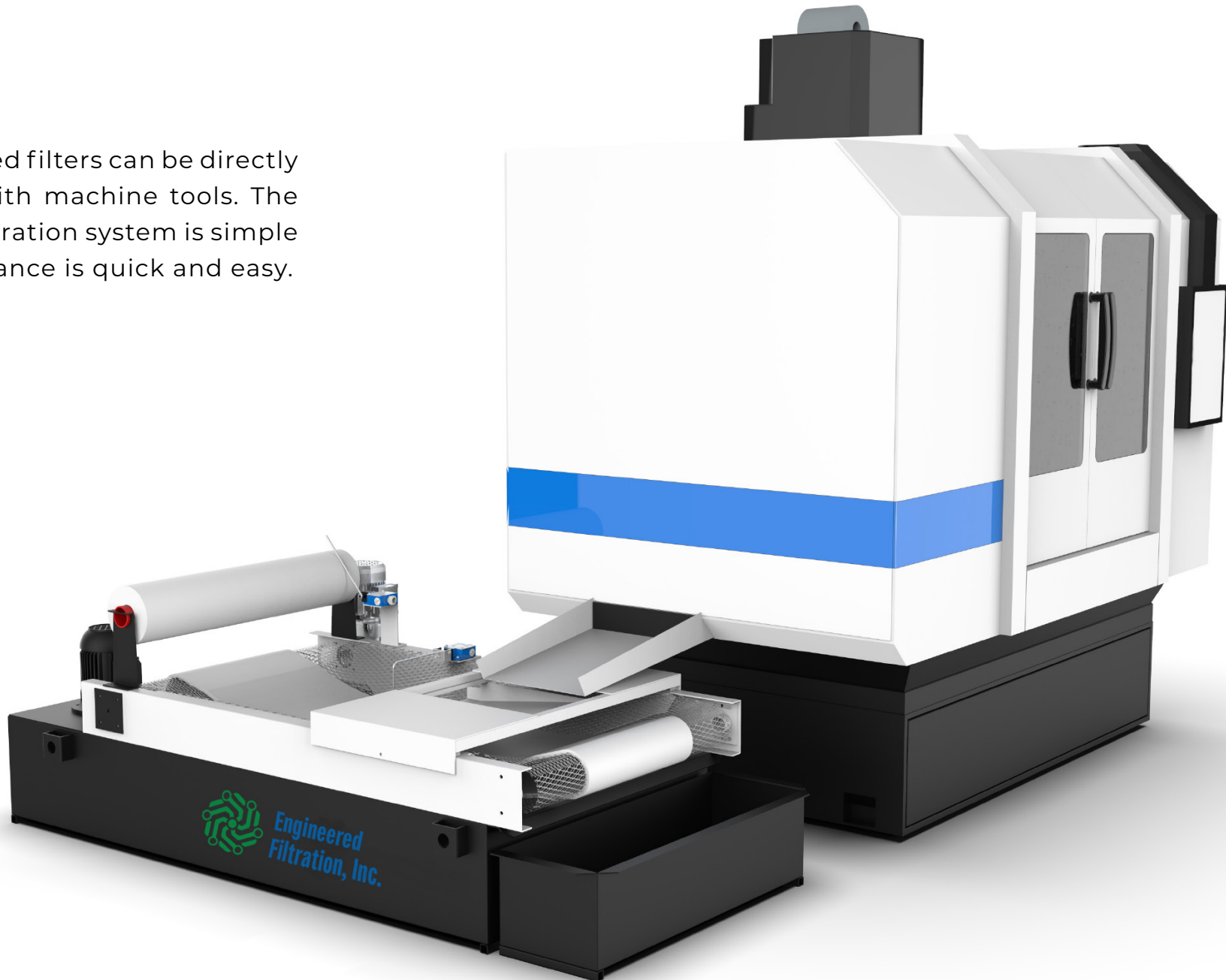
5 Levels

6 Electric box

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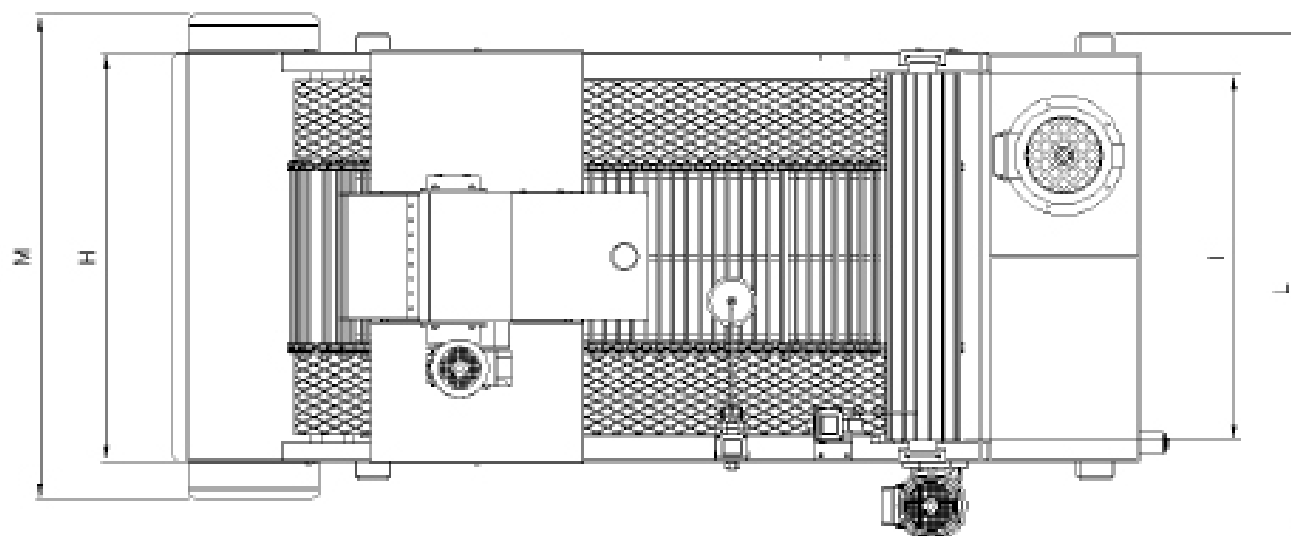
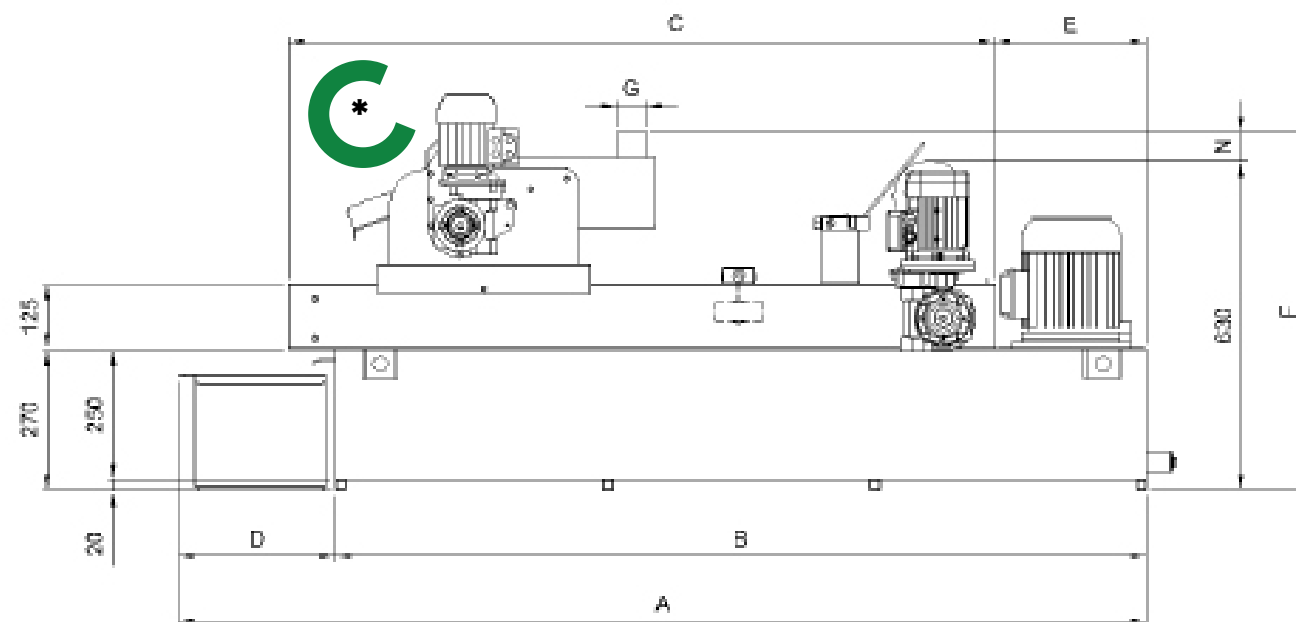
ADVANTAGES

Gravity flat bed filters can be directly integrated with machine tools. The use of this filtration system is simple and maintenance is quick and easy.





**Optional:
Automag
magnetic
separator**



Technical specifications										
Index	50	100	150	200	250	300	350	400	450L	550L
Max flowrate emulsion (l/m/gpm)	50/13.2	100/26.4	150/39.6	200/52.8	250/66	300/79.2	350/92.4	400/105.6	450/118.8	500/132
Max flowrate neat oil (l/m/gpm)	30/7.9	60/15.8	80/21.1	100/26.4	130/34.3	160/42.2	180/47.5	220/58.1	250/66	300/79.2
Tank capacity (l/gal)	200/52.8	300/79.2	500/132	600/158.5	730/192.8	870/229.9	1000/264	1150/303	1200/317	1400/369
Dimensions										
A (mm/in)	1700/66.9	1850/72.8	2050/80.7	2550/100	3050/120	3550/139.7	4050/159	4650/183	3540/139	4040/159
B (mm/in)	1400/55.1	1550/61.0	1750/68.8	2250/100	2750/108	3250/127	3750/147	4350/171	3240/127	3740/147
C (mm/in)	1200/47.2	1350/53.1	1490/58.6	1990/78.3	2490/98	2990/117	3480/137	3980/156	3000/118	3500/137.7
D (mm/in)	200/7.87	250/9.8	250/9.8	250/9.8	250/9.8	250/9.8	250/9.8	250/9.8	300/11.8	300/11.8
E (mm/in)	290/11.4	290/11.4	350/13.7	350/13.7	350/13.7	350/13.7	350/13.7	350/13.7	350/13.7	350/13.7
F (mm/in)	673/26.4	678/26.6	678/26.6	686/27	695/27.3	695/27.3	701/27.5	701/27.5	928/36.5	928/36.5
G (Ø)	1" G	1" ½ G	1" ½ G	2" G	2" ½ G	2" ½ G	3" G	3" G	4" G	4" G
H (mm/in)	580/22.8	780/30.7	1080/42.5	1080/42.5	1080/42.5	1080/42.5	1080/42.5	1080/42.5	1480/58.2	1480/58.2
I (mm/in)	500/19.6	700/27.5	1000/39.9	1000/39.9	1000/39.9	1000/39.9	1000/39.9	1000/39.9	1400/55.1	1400/55.1
L (mm/in)	± 750/29.5	± 950/37.4	± 1250/49.2	± 1250/49.2	± 1250/49.2	± 1250/49.2	± 1250/49.2	± 1250/49.2	± 1700/66.9	± 1700/66.9
M (mm/in)	650/25.5	850/33.4	1150/45.2	1150/45.2	1150/45.2	1150/45.2	1150/45.2	1150/45.2	1650/64.9	1650/64.9



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