
Decom

Liquid Purification

Combined purifier
for cutting fluids



Decom

Decom is a combined purifier for cutting fluids that uses filter fabric and a magnetic rotating disc purifier to remove magnetic and non-magnetic particles from neat and emulsified oils.

The degree of filtration is determined by the choice of fabric and ranges from 10 to 50 micrometres, ensuring a very high level of purification.

Decom is capable of purifying 50 to 400 l/min of emulsified oil and 25 to 200 l/min of neat oil.

Losma guarantees that each purifier is tested through strict control procedures. A quality and functional test certificate is issued for each unit.



Operation

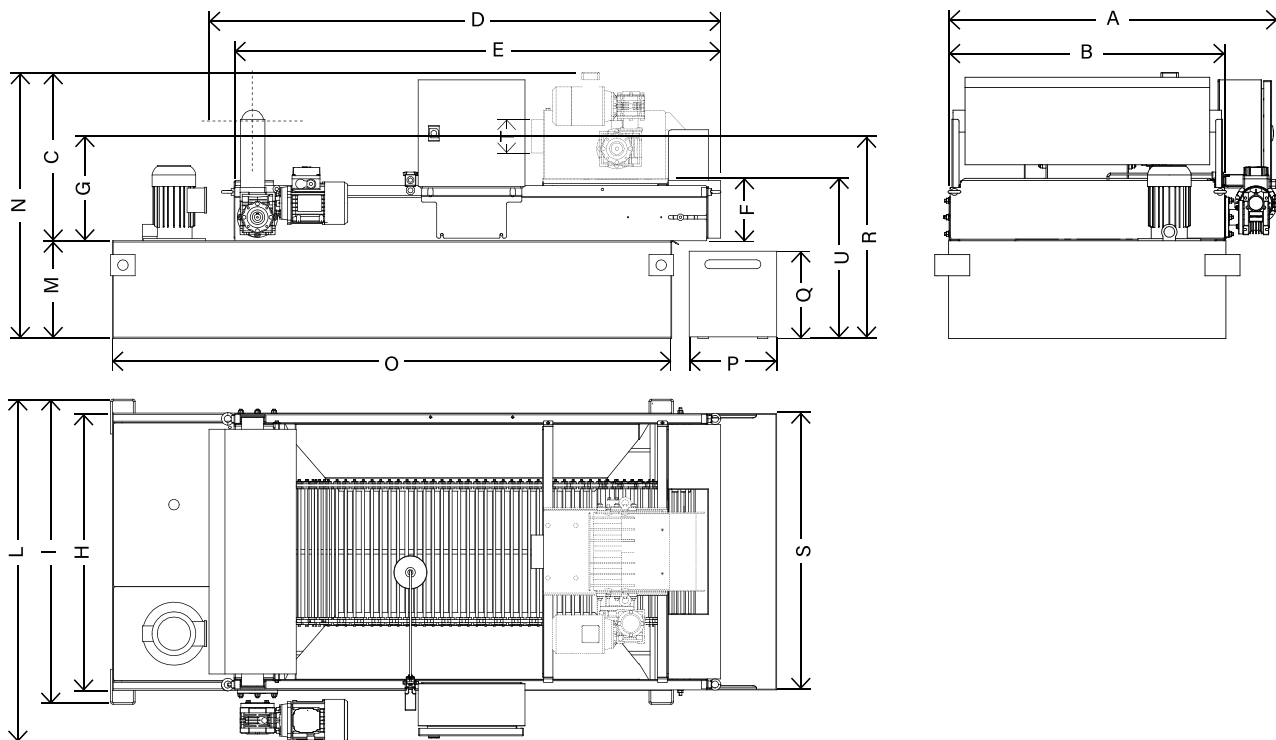
The contaminated fluid passes through the magnetic disc pre-filter, which removes magnetic contaminant particles (especially large ones).

The liquid is then directed to and distributed over the filter fabric, which traps non-magnetic contaminant particles and any small magnetic particles while allowing the clean coolant to flow through.

Magnetic pre-filtration offers savings in filter fabric.



Technical Data



Models	Dimensions (mm)																		
	A	B	C	D *	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
Decom 30	630	480	430	815	750	178	298	400	480	630	200	630	825	200	170	500	480	2"	378
Decom 50	750	590	480	1115	1040	178	298	593	673	780	280	760	1250	250	250	578	590	3"	458
Decom 100	950	790	480	1465	1390	178	298	793	873	980	280	760	1600	250	250	578	790	3"	458
Decom 150	1250	1090	480	1665	1590	178	298	1093	1173	1280	280	760	1800	250	250	578	1090	3"	458
Decom 200	1250	1090	480	2115	2040	178	298	1093	1173	1280	280	760	2250	250	250	578	1090	3"	458
Decom 250	1250	1090	480	2615	2540	178	298	1093	1173	1280	280	760	2750	250	250	578	1090	3"	458
Decom 300	1250	1090	480	3115	3040	178	298	1093	1173	1280	280	760	3250	250	250	578	1090	3"	458
Decom 400	1250	1090	480	4115	4040	178	298	1093	1173	1280	280	760	4250	250	250	578	1090	3"	458
Decom L 450	1640	1466	480	3115	3040	178	298	1470	1550	1650	380	860	3170	250	350	678	1430	3"	558
Decom L 500	1640	1466	480	3615	3540	178	298	1470	1550	1650	380	860	3670	250	350	678	1430	3"	558

* 250 mm roll

Models	Tank capacity (L)	Max. emulsion flow rate (l/min) **	Max. neat oil flow rate (l/min)	Electric pump head (bar)	Total installed power (kW)		Current consumption		Current consumption		Weight (Kg)
					50 Hz	60 Hz	230 V - 50 Hz	265 V - 60 Hz	400 V - 50 Hz	460 V - 60 Hz	
Decom 30	51	30	15	0,2	0,47		2,54	2,56	1,49	1,48	107
Decom 50	167	50	25	0,2	0,47		2,54	2,56	1,49	1,48	135
Decom 100	287	100	50	0,2	0,68		3,29	3,21	1,92	1,85	191
Decom 150	445	150	75	0,2	0,82		3,64	3,48	2,12	2,01	260
Decom 200	557	200	100	0,2	1,30		5,23	4,90	3,04	2,83	313
Decom 250	656	250	125	0,2	1,50		5,82	5,39	3,38	3,11	275
Decom 300	805	300	150	0,2	1,45		5,31	5,33	3,08	3,07	285
Decom 400	1050	400	200	0,2	1,77		6,81	6,83	3,08	3,07	380
Decom L 450	1210	450	225	0,2	1,46	2,56	6,67	8,99	3,86	5,21	nn
Decom L 500	1400	500	250	0,2	1,46	2,56	6,67	8,99	3,86	5,21	nn

** The nominal flow rates refer to an emulsion with a maximum oil concentration of 5% or neat oil with a maximum viscosity of 20cst at 40°C, and using filter fabric with a weight not exceeding 35g/m2. Different characteristics may affect purifier performance. Our engineering department is available to identify the most suitable solution to meet your needs.