Detex

Liquid Purification

Flatbed purifier

Detex

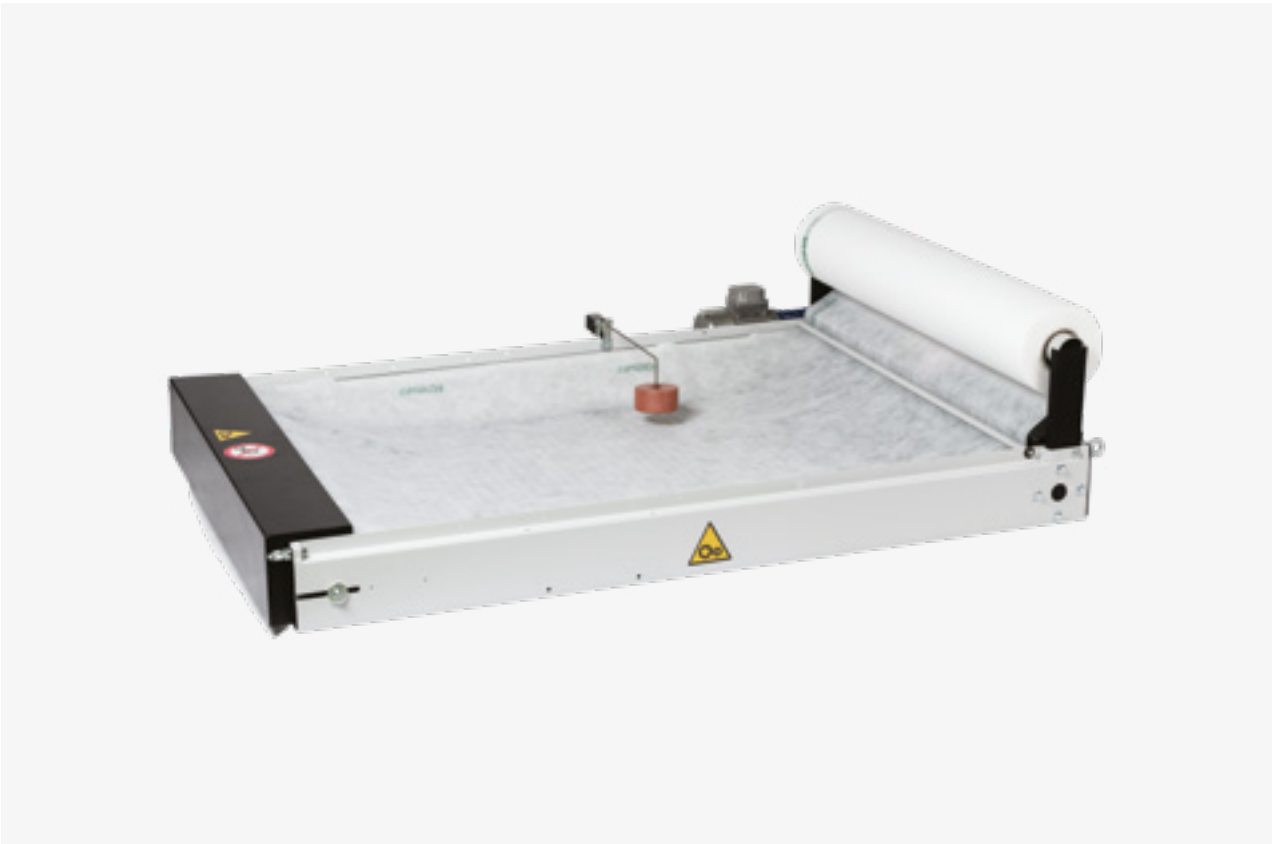
Detex is a coolant purifier that uses filter fabric to remove magnetic and non-magnetic particles from whole and emulsified oils.

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

Detex is available in 12 sizes with a purification capacity of 50 to 400 l/min of emulsified oil and 25 to 200 l/min of whole oil.

Losma guarantees that each purifier is individually tested through rigorous control procedures.

A quality and functional test certificate is issued for each unit.



Operation

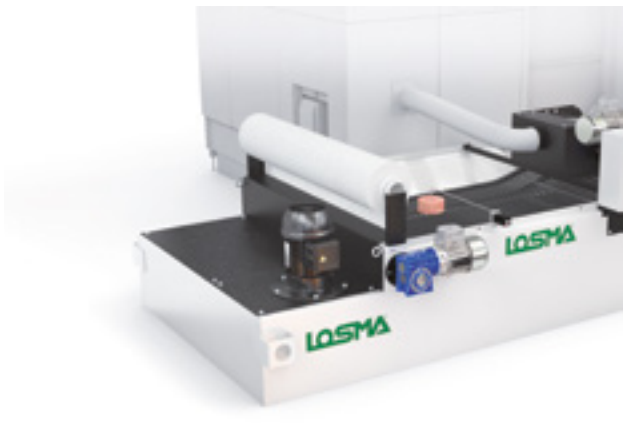
- The coolant contaminated with impurities is conveyed to the trough and distributed over the filter fabric, which retains the polluting particles and allows the clean liquid to flow out.
- The fabric progressively accumulates polluting particles until it becomes clogged, at which point the liquid is no longer able to pass through the filtering fabric so it rises to level, lifting the float and activating the microswitch (or triggering a probe system) that controls the advancement of the conveyor and the consequent replacement of the consumed fabric with new one.
- The consumed fabric is collected in a special tank located at the foot of the purifier, while the filtered liquid passes into the tank below to be sent back to the machine tool by means of the electric pump.

Advantages

AVAILABLE IN STAINLESS STEEL VERSION
Detex is also available in a stainless steel version, which is especially suitable for the purification of water or corrosive or saline liquids, typical of some mechanical engineering sectors or in the pharmaceutical and food industries.

COST EFFICIENCY
The fabric filtration guarantees a very high degree of purification with a limited initial investment.

MODULARITY AND VERSATILITY
The Detex series range makes it easier for you to purchase a solution that is suitable for your needs, avoiding excessive consumption for undersized systems or, on the contrary, inefficient consumption for oversized systems. Furthermore, the wide choice of fabrics makes the purification system very versatile and adaptable to different uses simply by changing the type of filter media.



Optional

SKIM
Eliminator of superficial oils which allows the quality of coolants to be maintained for a long time and eliminates odours generated in the presence of anaerobic bacterial flora.

DEMAG (1)
Purifier for magnetic material filtration; uses a series of discs to retain the solid pollutant suspended in the coolant.

BOOSTER TANK
To collect dirty liquid for filter supply.

CONTAINMENT TANK (2)
To collect the clean liquid to be returned to the machine tool.

ELECTRICAL CABINET (3)
For supplying all utilities, controlling and managing all signals.

PUMPS (4)
For clean liquid delivery from 0.1 bar to 100 bar.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1
LOSMA
LOSMA
3
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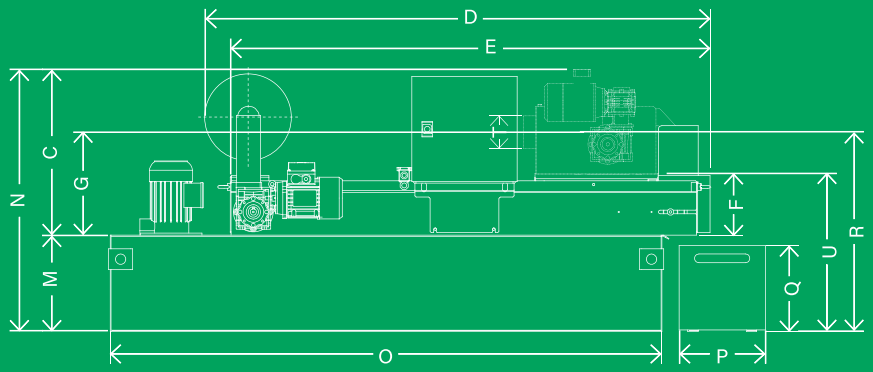
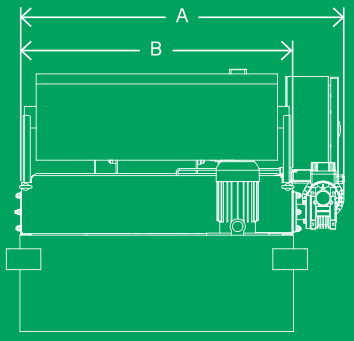
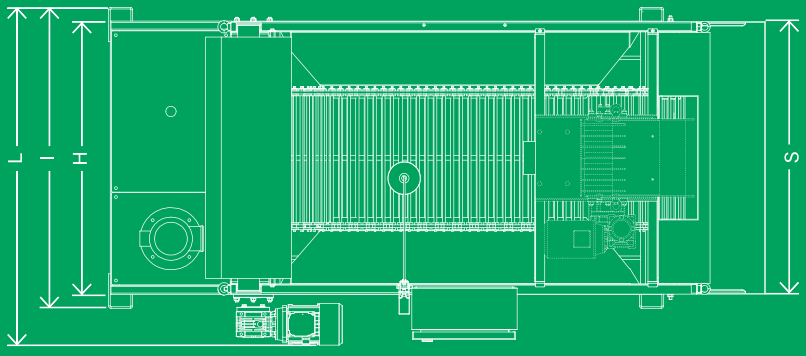
Technical Data







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

* 250 mm Non-Woven Cloth Roll

Models	Tank Capacity (L)	Max emulsion flow rate (l/min) **	Max neat oil flow rate (l/min)	Electric Pump Head (bar)	Tot. Installed Power (kW)		Absorbed current		Absorbed current		Weight (Kg)
					50 Hz	60 Hz	230 V - 50 Hz	265 V - 60 Hz	400 V - 50 Hz	460 V - 60 Hz	
Detex 30	51	30	15	0,2	0,29		1,38		0,80		70
Detex 50	167	50	25	0,2	0,29		1,38		0,80		90
Detex 100	287	100	50	0,2	0,50		2,13	2,03	1,23	1,17	135
Detex 150	445	150	75	0,2	0,64		2,48	2,30	1,43	1,33	195
Detex 200	557	200	100	0,2	1,12		4,07	3,72	2,35	2,15	235
Detex 250	656	250	125	0,2	1,32		4,66	4,21	2,69	2,43	275
Detex 300	805	300	150	0,2	1,27		4,15		2,39		285
Detex 400	1050	400	200	0,2	1,59		5,65		2,39		380
Detex L 400	1210	450	225	0,2	1,28	2,38	5,51	7,81	3,17	4,53	nn
Detex L 500	1400	500	250	0,2	1,28	2,38	5,51	7,81	3,17	4,53	nn

** Nominal flow rate data refers to emulsion with a maximum oil concentration of 5% or neat oil with a maximum viscosity of 20cst at 40°C, and with a filter cloth weighing no more than 35g/m². The different characteristics of the liquid to be treated, the type of pollutant and its concentration can affect the performance of the purifier. Our technical department is at your disposal to identify the most suitable solution for your needs.