



Air filters



Liquid filters



Engineering

Losma / Liquid filters
DTE

Flat bed coolant filter

ENG





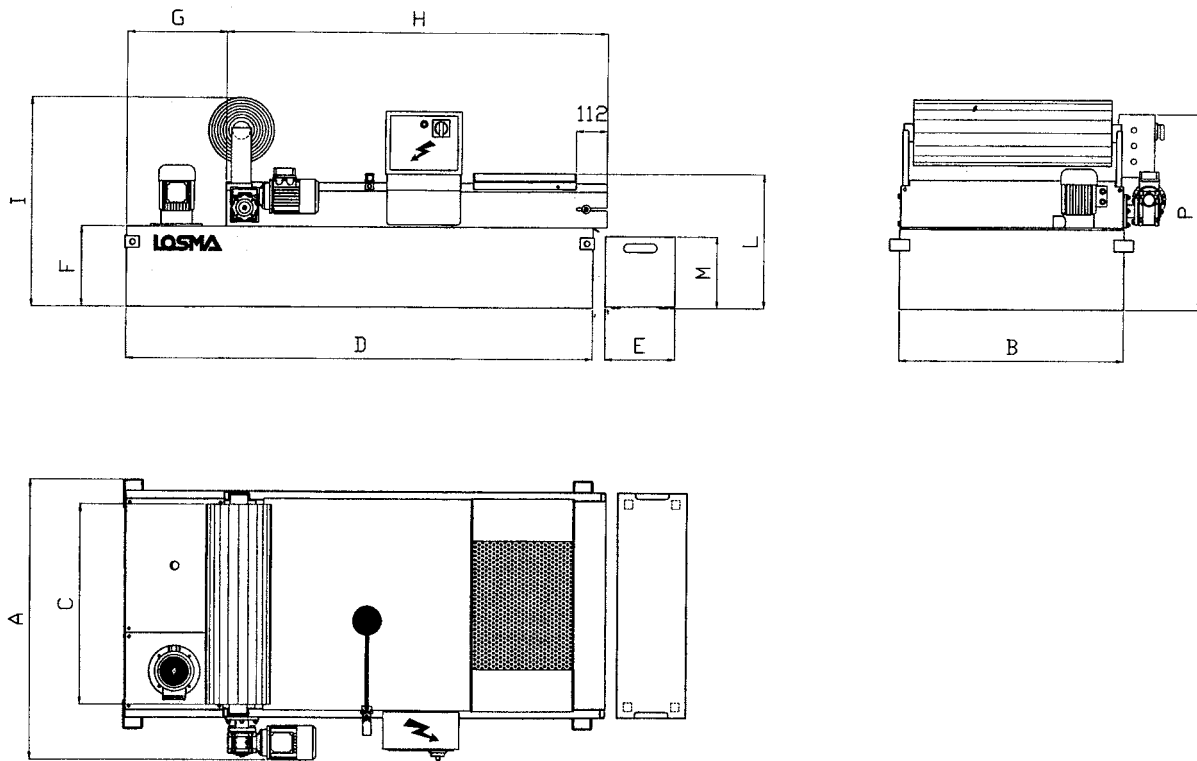
Losma grants that every single system is tested through strict control procedures. Every unit is provided with a Quality and Functional Test Certificate..

Detex is a flat bed coolant filter, using non-woven tissue for eliminating magnetic and non-magnetic particles from neat oil and emulsion. Filtration degree can be determined by the choice of the tissue,

ranging from 10 to 50 micron, granting the highest level of filtration. Detex is available in 12 models, with a flowrate capacity from 30 to 550 l/min of emulsion and from 15 to 275 l/min of neat oil.



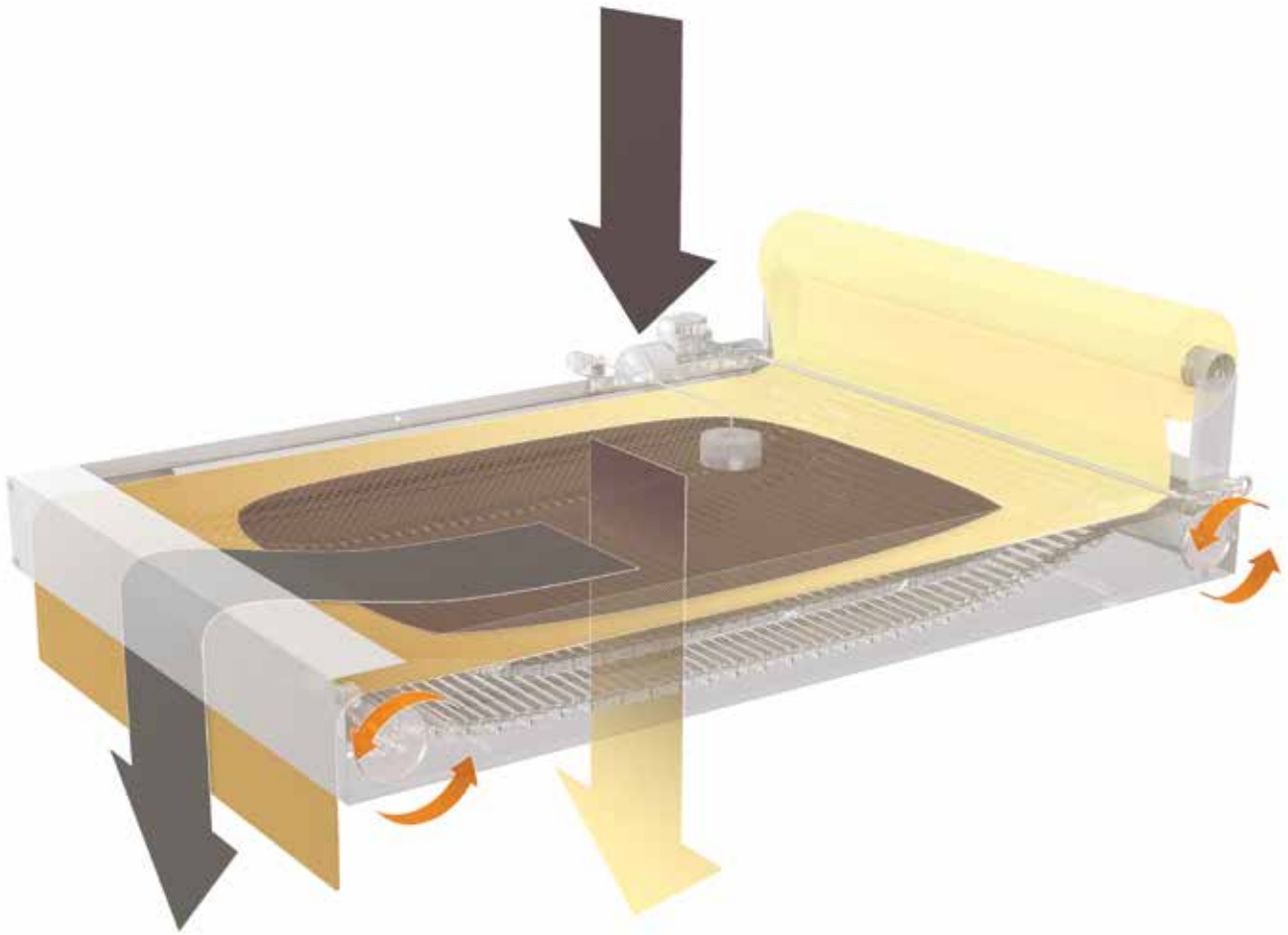
Technical data



DTE							
Models	Tank capacity	Max filtering cap. Emulsion	Max filtering cap. neat oil	Pump head	Power	Input tension 230V/50Hz 260V/60Hz	Input tension 400V/50Hz 460V/60Hz
	l	l/min	l/min	bar	kW	A	A
30	150	30	15	0,2	0,28	1,75	1,04
50	170	50	25	0,2	0,28	1,75	1,04
100	300	100	50	0,2	0,42	1,85	1,07
150	460	150	75	0,2	0,52	2,45	1,39
200	570	200	100	0,2	0,65	3,55	2,09
250	700	250	125	0,2	0,9	4,15	2,39
300	820	300	150	0,2	1,27	4,15	2,39
400	1080	400	200	0,2	1,59	5,65	3,29

DTE											
Models	Dimensions [mm]										
	A	B	C	D	E	F	G	H	I	L	M
30	630	480	400	925	170	200	175	750	610	360	170
50	773	593	500	1250	250	280	350	1000	750	440	250
100	973	793	700	1650	250	280	350	1350	750	440	250
150	1280	1093	1000	1850	250	280	350	1550	750	440	250
200	1280	1093	1000	2300	250	280	350	2000	750	440	250
250	1280	1093	1000	2800	250	280	350	2500	750	440	250
300	1280	1093	1000	3300	250	280	350	3000	750	440	250
400	1690	1093	1400	4300	250	262	350	4000	490	440	250

Working Principles



The coolant falls into the distribution trough and from here onto the filter fabric which is positioned on a belt. The solid pollutant particles (dust and swarfs) are retained by the fabric while the filtered oil is collected into the tank and pumped back to the machine tool. When the part of the fabric lying on the belt is full of pollutant (and has lost its filtering capacity) an automatic system advances the used fabric towards the sludge collection tray at the end of the tank. New fabric passes under the fabric-stretcher tube and goes on the belt ready to filter the coolant.

Plus



Modularity and versatility:

DTE series offers a wide range of models, facilitating the choice of an appropriate solution for customer's needs avoiding wastes for low-dimensioned systems or, on the contrary, inefficiency for over-dimensioned ones. Tissue can be changed following customer and machining needs, this guarantees versatility to DTE.



Economical:

Fabric filtration guarantees a high filtration efficiency with a limited initial investment.

Available in stainless steel version:

Detex is also available in stainless steel version, ideal to filter water, salty or corrosive liquids typical in the mechanical machining sector or in the chemical, pharmaceutical and food industry.

Accessori

DTE



DMD:

Pre-filtration system with rotating magnetic discs for the separation of magnetic polluting particles from coolant.

SKIM:

Superficial oil skimmer, it allows to lengthen coolant quality and eliminate odors generated by anaerobic bacteria.

Pumps:

For pressure from 0,1 to 100 bar for returning clean liquid

Transfer tank:

To collect dirty liquid for feeding the filter

Electrical equipment:

For command and control

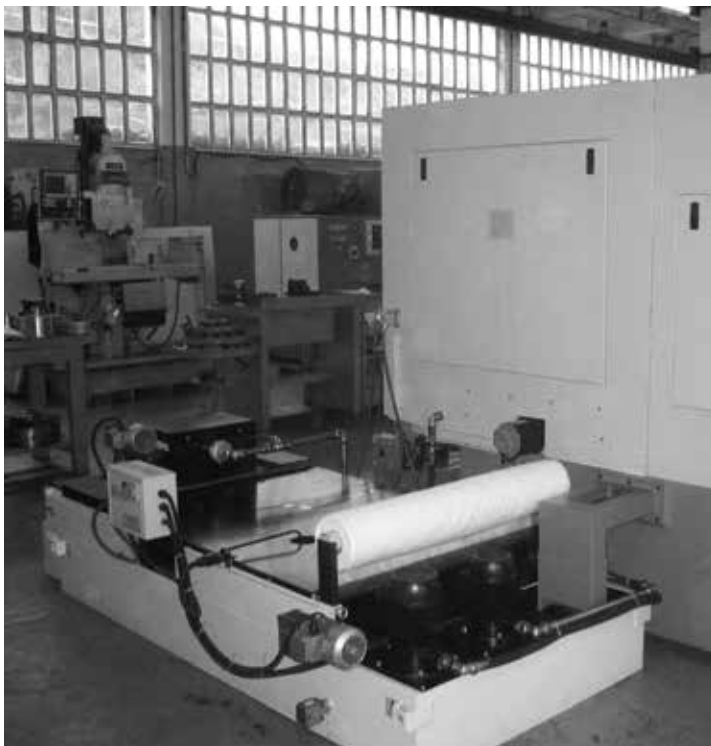
Control system:

For level and temperature of coolant

Collecting tank:

For clean liquid

Installations





Health



Savings



Efficiency



Environment



Safety

F005.126.00  Greylab.it

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