



Air filters



Liquid filters



Engineering

Losma / Liquid filters  
**Extra**

## Gravity Bed coolant Filter

ENG

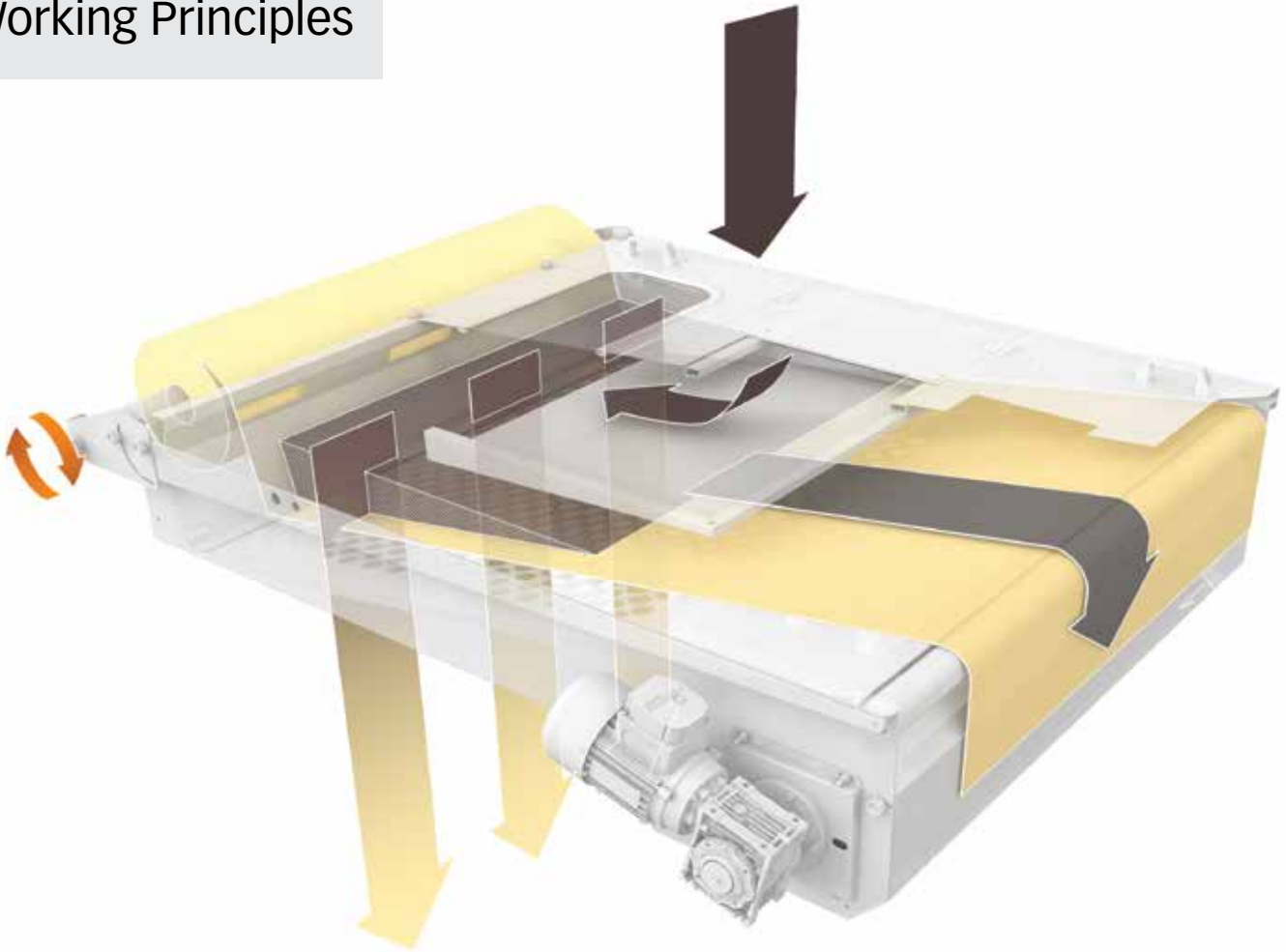
Extra and Extra High are two new gravity bed depurators for coolants, which uses non-woven filtration tissue for eliminating magnetic and non-magnetic particles from neat oils and emulsions. Filtration degree is set thanks to the tissue choice and varies from 10 to 50 microns, securing a very high depuration level. Extra is available in two versions with 11 models for throughput from 50 to 300 l/min for neat oils and from 100 to 600 l/min for emulsion.



*Losma guarantees that every single system is individually tested through strict control procedures. Each unit is issued a test certificate for quality and function.*



## Working Principles



Contaminated coolant is piped into the trough and distributed on the filtration tissue, retaining pollutant particles and allowing the cleaned coolant to pass. The tissue collects pollutant particles until it is full and the coolant cannot cross it anymore. The coolant rises its level touching a floating, which actions the proximity sensor controlling the tissue movement and the replacing with the new one. Dirty tissue is collected in a dedicated tank, while sludge are separated from a scraping blade, or it can be also rewound with a dedicated system (optional). The clean liquid in the tank below and is sent back to the machine tools thanks to the dedicated electrical pump.

## Optional

**Rewind system for dirty tissue.**

**Detector system for tissue.**

**DMD:**

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

**Collecting tank** for clean liquid, which can be equipped with different types of pumps and level switch.

**SKIM:**

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

# Technical Data

<b>Extra</b>				
Models	Max. Throughput	Max. Throughput	Tank capacity [l]	Power
	Emulsion [l/min]	Neat oil [l/min]		Geared motor [kW]
EXTRA R 100	100	50	300	0,12
EXTRA R 150	150	75	460	0,12
EXTRA R 200	200	100	580	0,12
EXTRA R 250	250	125	700	0,12
EXTRA R 300	300	150	820	0,12
EXTRA R 350	350	175	950	0,12
EXTRA HIGH 150	150	75	Upon request	0,12
EXTRA HIGH 250	250	125	Upon request	0,12
EXTRA HIGH 350	350	175	Upon request	0,12
EXTRA HIGH 450	450	225	Upon request	0,12
EXTRA HIGH 600	600	300	Upon request	0,12

## Plus

### **Versatility:**

Filtration systems of Extra serie are supplied with a dragging system for the tissue or, upon request with a rewinding system. The two systems are perfectly interchangeable.

### **Proximity:**

The use of proximity sensors for the control of tissue movement, instead of the push-piece spring, allows a precise movement avoiding any tissue waste.

### **High efficiency and low consumption:**

This system with gravity bed secures to Extra and Extra High version a maximum level of hydrostatic flow, which rises the medium filtration level and at the same time reduces the filtration tissue consumption.

### **Available in stainless steel version:**

Extra and Extra High are 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.

### **Hydraulic guard:**

(Only for Extra High) a double system of spill door, positioned on the two sides of the frame avoids any overflow phenomena caused by a wrong working of the dragging system.



Health



Savings



Efficiency



Environment



Safety

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