
Master

Liquid Purification

High flow rate purifiers



Master

Master is a range of high-efficiency gravity-operated purifiers with high flow rates, which use non-woven fabric filter media.

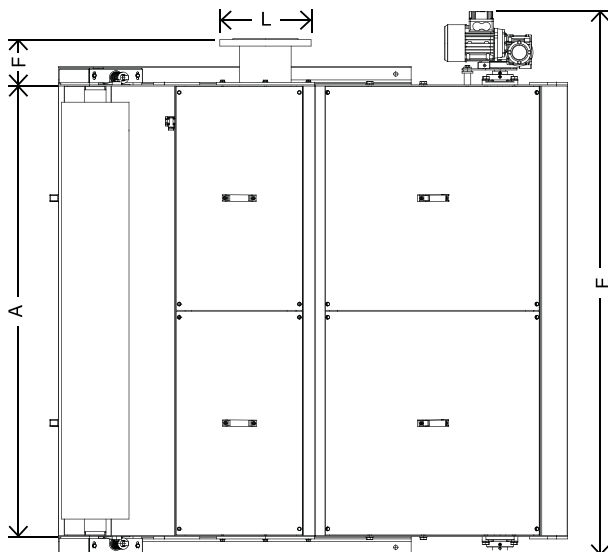
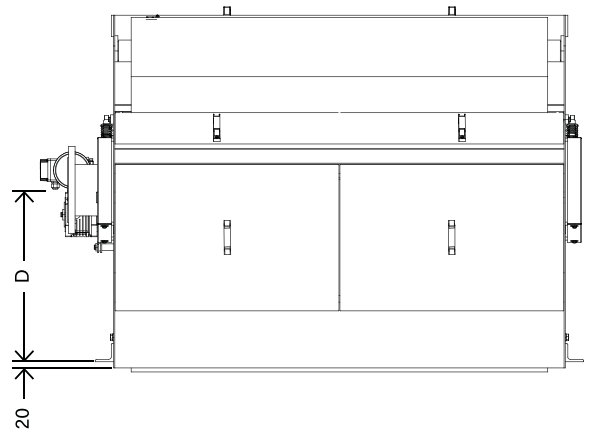
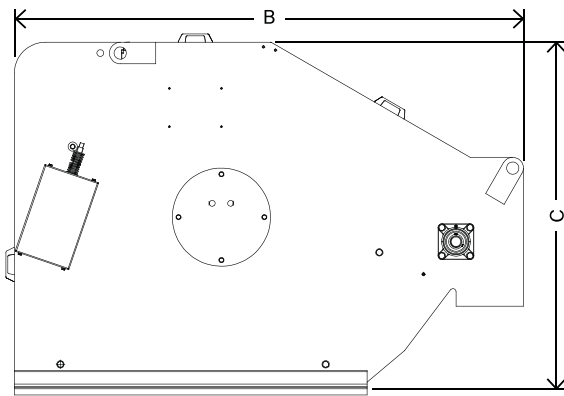
The Master range consists of four models capable of processing 200 to 1000 l/min of neat oil and 400 to 2000 l/min of water-based emulsion contaminated with metal and non-metal particles.

Master features very simple operation and long-term constant, stable efficiency. This type of filter is suitable for filtering the cutting fluids used in many industrial processes: extrusion, rolling, honing, grinding, washing and others.

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



Technical Data



Models	Dimensions (mm)							Weight (kg)
	A	B	C	D	E	F	L	
Master AB 700	773	1660	1130	560	1020	185	DN150 PN16	1200
Master AB 1000	1073	1660	1130	560	1020	185	DN150 PN16	1500
Master AB 1400	1473	1660	1130	560	1020	185	DN150 PN16	1800
Master AB 2000	2093	1660	1130	560	1020	185	DN150 PN16	2100

Models	Capacity (l/min) *			
	Course grinding (emulsion)	Finish grinding (oil)	Extrusion (emulsion)	Washing machines, chip removal machines (emulsion)
Master AB 700	400	200	da 400 a 800	800
Master AB 1000	600	300	da 800 a 1200	1200
Master AB 1400	800	400	da 1200 a 1600	1600
Master AB 2000	1200	600	da 1600 a 2000	2000

** 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.

Medio Master

Medio Master is an industrial liquid purifier with a high flow rate. It is available in three models capable of processing 200 to 400 l/min of neat oil and 400 to 800 l/min of water-based emulsion contaminated with metal and non-metal particles.

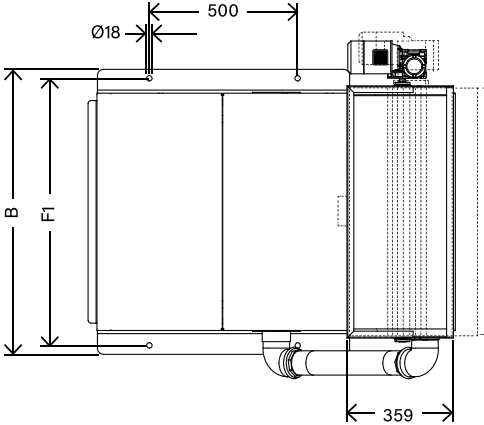
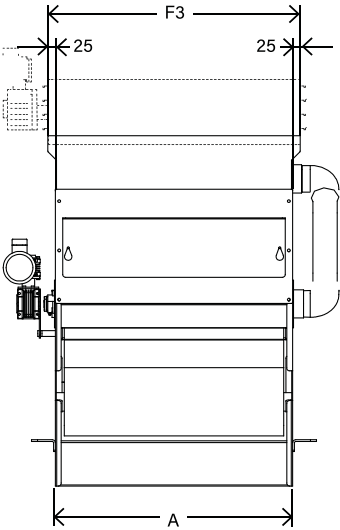
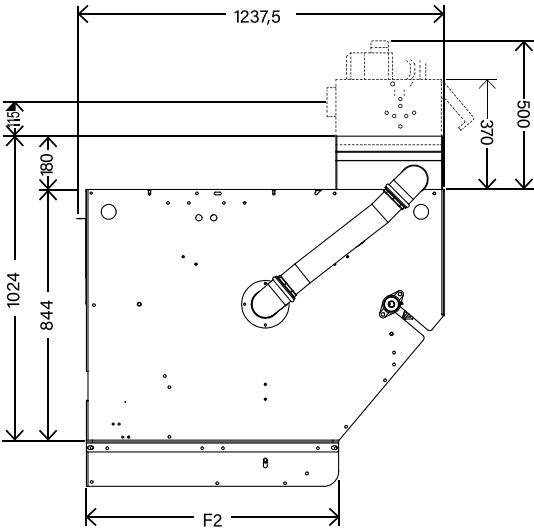
With its disposable filter medium, Media-Master can achieve excellent degrees of filtration with cutting fluids to suit a range needs.

It is suitable for many industrial processes such as: extrusion, grinding, rolling, washing, honing, etc.

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



Technical Data



Models	Dimensions (mm)					Weight only filter (kg)	Roll width (mm)
	A	B	Filter Housing				
			F1	F2	F3		
Medio Master 600	800	960	900	850	850	250	740
Medio Master 800	1100	1260	1200	850	1150	270	1040
Medio Master 1200	1500	1660	1600	850	1550	310	1440

Models	Capacity (l/min) *			
	Course grinding (emulsion)	Finish grinding (oil)	Extrusion (emulsion)	Washing machines, chip removal machines (emulsion)
Medio Master 600	400	200	da 400 a 600	600
Medio Master 800	600	300	da 600 a 800	800
Medio Master 1200	400	400	da 800 a 1200	1200

* 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.

Mini Master

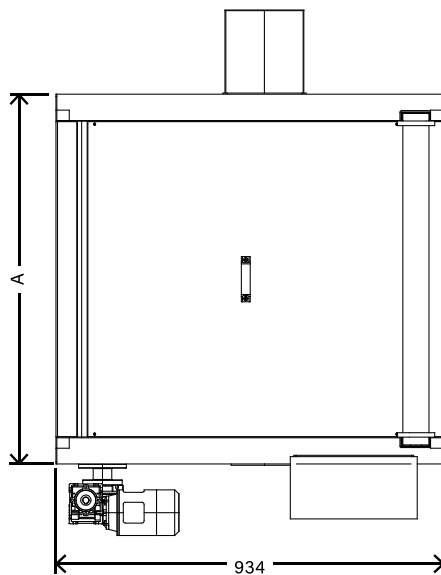
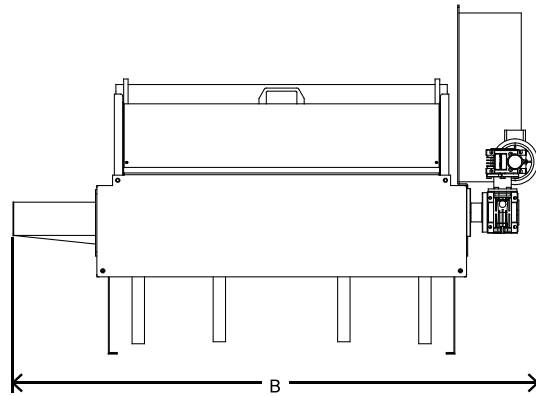
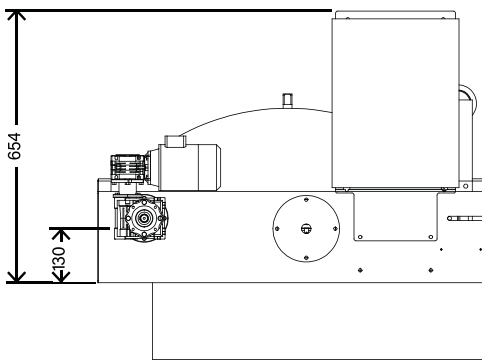
Mini Master is available in three models capable of purifying 60 to 200 l/min of neat oil and 100 to 400 l/min of water-based emulsion contaminated with metal and non-metal particles.

Disposable filter media ensure excellent filtration capacity and can be changed as required. It is very compact and suitable for many industrial processes such as: extrusion, grinding, rolling, washing, honing, etc.

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



Technical Data



Models	Dimensions (mm)		Weight (kg)	Roll width (mm)
	A	B		
Mini Master M	590	950	140	460
Mini Master L	890	1250	260	760
Mini Master XL	1190	1550	400	1060

Models	Capacity (l/min) *			
	Course grinding (emulsion)	Finish grinding (oil)	Extrusion (emulsion)	Washing machines, chip removal machines (emulsion)
Mini Master M	100	60	da 100 a 150	150
Mini Master L	200	100	da 200 a 300	300
Mini Master XL	300	160	da 300 a 450	450

* 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.

Micro Master

Micro-Master Heavy Duty is a range of high-efficiency gravity-operated purifiers with high flow rates for cutting fluids, which uses non-woven fabric filter media.

The Micro-Master range consists of two models with flow rates from 60 to 100 l/min of neat oil and from 100 to 300 l/min of water-based emulsion contaminated with metal and non-metal particles.

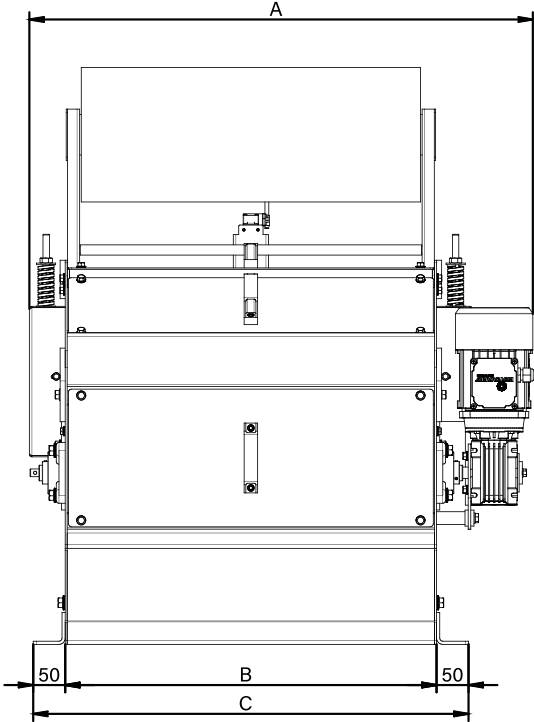
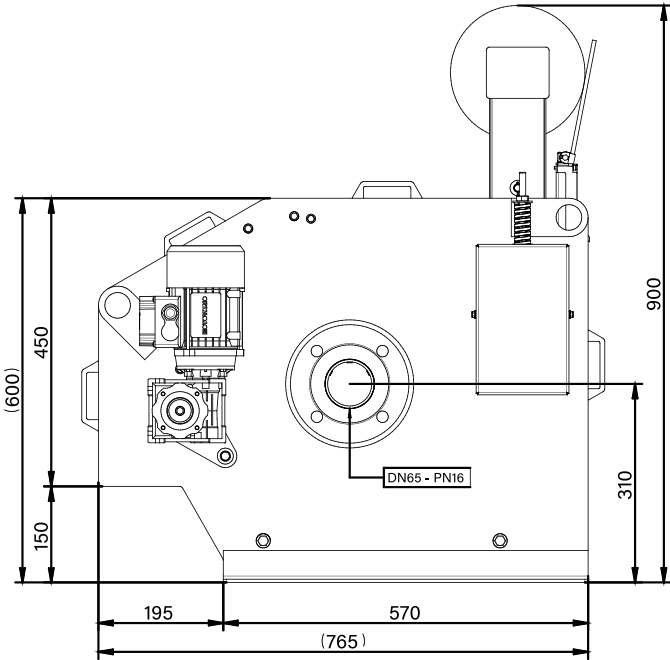
Micro-Master is reliable and ensures long-term constant, stable operation.

This type of filter is particularly suitable for heavy-duty machining, light alloy machining (aluminium, brass, etc.), applications with neat oils and 24h/24h machining.

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



Technical Data



Models	Dimensions (mm)	
	A	B
Micro Master 100	790	580
Micro Master 200	990	780

Models	Capacity (l/min) *			
	Course grinding (emulsion)	Finish grinding (oil)	Extrusion (emulsion)	Washing machines, chip removal machines (emulsion)
Micro Master 100	100	60	da 100 a 150	150
Micro Master 200	200	100	da 200 a 300	300

* 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.

Plus

CHAIN CONVEYOR SYSTEM AND SIDE SEALING DISCS

All models in the Master range are equipped with a corrugated metal chain conveyor, which has side discs to perfectly seal the dirty fluid in the filter section.

CUSTOMIZABLE TO MEET CUSTOMER REQUIREMENTS

The filters in this range use a disposable filter medium, which allows the degree of filtration to be varied just by changing the type, while always ensuring excellent results.

SMALL SIZE

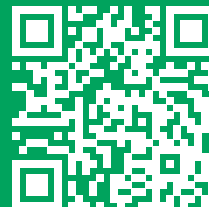
Compared to flat bed filters with the same flow rate, the Master family has a significantly smaller footprint and can achieve better degrees of filtration.



Operation Video

Discover how it works in detail. Watch the descriptive video about the Master range.

Scan the QR Code.



Optional

1. DEMAG

This is a pre-filtration system with rotating magnetic discs to separate magnetic contaminant particles from the cutting fluid.

2. SKIM

This is a surface oil skimmer that maintains the quality of coolants for a long time and eliminates the bad odours created by anaerobic bacterial flora.

3. ELECTRICAL CABINET

This powers all the utilities, and controls and monitors all the signals.

4. PUMPS

These deliver the clean liquid at 0.1 bar to 100 bar.

5. CONTAINMENT TANK

This collects the clean liquid to be returned to the machine tool.

6. BOOSTER TANK

This collects the dirty liquid to supply the filter.

