



## FILTRAMAQ PRO BASIC

Autonomous filtration of cooling liquid up to 1  $\mu\text{m}$

It can be used with pure oil as well as emulsion oil.

Capacity: up to 120 l/min

Suitable for individual machines, as 5 axes machines like Walter, Saacke, Schneeberger, Anca, Vollmer, etc.

# ELITE FILTRAmag PRO basic

Autonomous filtration of cooling liquid up to 1µm



Reduced chassis version

The **ELITE FILTRAmag PRO basic**, is our autonomous filtration equipment for cooling liquids up to 1µm with a reduced chassis for a lower investment, but with the same features and improvements as the FILTRAmag PRO:

- The filtration system is of very affordable size/quality.
- Low maintenance cost.
- Optionally up to two filters and 2 coolers can be placed to filter two independent machines also with completely different cooling liquids.
- Customers can now use high quality grinding oils such as our synthetic oil SintoCut PRO MD: combined with our filter systems, they will never have to change oil again, they will simply have to refill oil lost during normal work.
- The life of the grinding wheel is increased by up to 4 times.
- The grinding quality of the cutting tools is improved, especially when it is a hard material like tungsten carbide. This makes customers' tools more competitive.



Image 1: Control panel.

Image 2: Inlet and outlet valves for the connection of several machines.

Image 3: 1.4 kW motor and 3 µm filter. Maximum flow rate 120 liters/minute.



## Technical specifications

<b>Flow rate</b>	Up to 120 l/min. per machine.
<b>Filtration quality</b>	Selectable from 1µm, 3µm, 5µm absolute filtration (accuracy >99%)
<b>Installation to the grinding machine</b>	By means of two ø1/1-2 "inlet and 1" outlet tubes per filter and grinding machine unit.
<b>Principle of decentralization</b>	The machine uses its own pump for dirty coolant inlet/outlet and clean coolant outlet. No modifications to the machine are required.
<b>Consumable life expectancy</b>	
<b>No backflushing system</b>	Up to 12 months with synthetic oil.
<b>Weight</b>	From 300 kilos to 865 kilos. Depending on the optional accessories.
<b>Dimensions</b>	1400x800x1500 mm.

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We reserve the right to make design changes in the interest of technical progress.

### MAIN ADVANTAGES:

- High filtration quality comparable to our best competitors (up to 1µm).
- Filtration quality selectable from 1µm, 3µm, 5µm. Depending on the need or viscosity of the coolant.
- Compact machine shape ideal for placement between two 5-axis CNC machines
- No installation required: Plug&Play: just place inlet and outlet tubes inside the coolant tank, prepare the inlet tubes and start the machine.
- If the hydraulic oil is mixed in the coolant, the filter continues to work.
- Suitable for machines such as Walter Helitronic, Saake, Schneeberger, Anca, Vollmer, etc. Can be used on up to 2 machines.
- If used on two machines, the filtering of one machine is independent of the other, so you can use the grinding oil on one machine and the emulsion oil on the other, for example. (Optional accessories required)
- The optional cooling system is integrated inside the machine, saving space.
- With the cooling system you can program the desired working temperature, the FILTRAMAq AIR PRO cools or heats the coolant.
- Very high filtration flow rate: up to 120 litres/min. per machine.