



ES EN DE FR IT PT PL RU



SHARPENING WELDING FILTRATION CLEANING CONSUMABLES CATALOG BLOG

ELITE FILTRAmag PRO

Filtration of coolant for up to 5 machines
It can be used both with oil and with oil in emulsion.

Filtration flow rate: up to 200 L / min.
Filtration quality down to 2 μ m
Available with automatic coolant chiller system



The new ELITE FILTRAmag PRO, is our autonomous equipment for the filtration and cooling of liquids, up to 2 μ m. It represents a renewed and improved version of the previous model.

- The filtration system is very affordable in size/quality.
- Low maintenance cost.
- Available with nominal filtration flow rates of 50 L/min, 100 L/min, 150 L/min and 200 L/min.
- Coolant chiller system available as an option.
- Customers can now use high quality sharpening oils such as our SintoCut PRO MD synthetic oil: combined with our filter systems, they will never have to change the oil again, they will simply have to refill the oil lost during normal work.
- The useful life of the grinding wheel increases up to 4 times.
- The surface roughness of the cutting tools is improved, especially when dealing with a hard material such as tungsten carbide. This makes your tools more competitive.

VIDEOS

Working principles



View of the filtration system with the cooling system mounted (Available as an option).



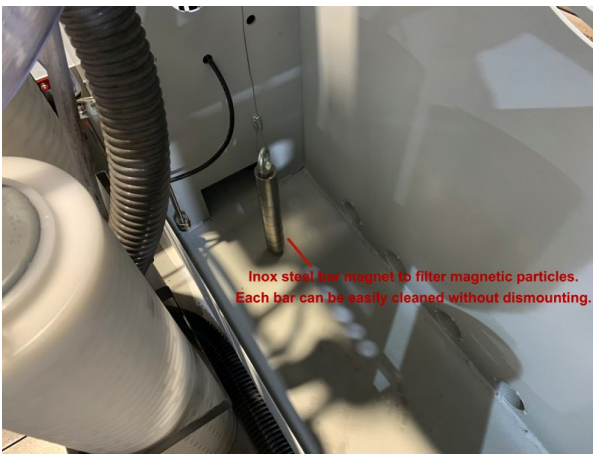
Control panel with LCD screen
With information on the time of use,
clean and dirty coolant level, and
activation of the automatic tank
refilling system



Dirty coolant inlet



Pumping of the clean liquid by means
of the pump of the
sharpening/grinding machine itself.
Very easy to change filter cartridge
system.



Stainless steel bars with neodymium magnets to remove magnetizable particles, thus saving on filter cartridge consumables.

The bars are very easily accessible to easily remove dirt.



Dirty and clean liquid level sensor to control the status and flow of the coolant and decide if the filter tank should be filled automatically.

Optional accessories

- Additional filtration unit: adds 50 L/min of filtration capacity for each additional unit, up to a maximum of 200 L/min of total filtration flow rate capacity.
 - Chiller to maintain the coolant temperature stable. Cooling capacity: 5kW
-
-

SPECIFICATIONS

Technical data

Filtration flow rate	50l/min. Optionally available in 100 l/min., 150 l/min. and 200 l/min.
Filtration quality	2µm
Connection to the sharpening machine	Return to filter by gravity. 2" filter inlet. Sending coolant through the own pump of the grinder installed in the filter.
Automatic filling of the filtration tank	Selectable automatic tank refill. In the case of oil emulsion filling, the mixture can be selected from 1% to 5%. In the case of filling with oil, the oil tank must be at a height higher than that of the filter.
Chiller System for coolant	Optionally available with selectable temperature regulation between 15°C to 30°C
Filter control	With LCD display, indication of working hours, automatic refilling system and clean and dirty coolant levels

Dimensions and weight

Model	Size	Weight
FILTRamaq PRO without chiller	1300 x 900 x 1700 mm.	460 Kg. In running order
FILTRamaq PRO with chiller	1300 x 900 x 1900 mm.	520 Kg. In running order

HIGHLIGHTS

- High quality 2 µm filtration
- Gravity refrigerant return system: Energy savings of up to 50% due to the fact that a return booster pump is not necessary
- Dirty coolant pre-cleaning system using powerful neodymium magnets coated in stainless steel, very quick and easy to clean.
- Possibility of filtering up to 5 machines, depending on the pumping flow of the machines.
- The optional cooling system is integrated inside the machine, thus saving space.
- Very high filtering flow: up to 200 liters per minute
- Grinding accuracy is improved: by filtering and cooling/heating the coolant, tolerances due to thermal expansion are eliminated
- Compact machine shape ideal for placement between machines

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

www.elite.es
