



FILTRAmag PRO - User manual

FILTRAmag PRO

User manual



Version March 2023



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1. FIRST STEPS

Congratulations on your purchase of the FILTRAmag PRO filtration equipment.

Read this guide before you start.

The FILTRAmag PRO is a coolant cleaning filter for oil or emulsion mixed with water designed for grinding or milling machines.

This manual introduces you to the main functions in order to avoid risks to your health or that can may cause a breakdown or premature wear of the machine.

In case of any doubt, please contact us or one of our authorized distributors.

Informative Note: *The use described in the manual of this filtration equipment therein may present some variations in use as our machinery is subject to possible construction modifications, depending on the incorporation of technological advances in our filtration equipment.*



2.SAFETY

2.1.Safety regulations

Carefully observe and apply the following safety rules, not respecting these rules may cause personal injury or damage to the machine itself.

The installation and maintenance of the machine described in this manual must be carried out only by operators who are familiar with its operation and have sufficient technical knowledge.

The FILTRAmag PRO filtration units are designed for the filtration of pure or water-soluble cutting oil, provided that the appropriate coolant is used, to the exclusion of any other type of operation.



DANGER HIGH VOLTAGE



DANGER OF ACCIDENT



DANGER DUE TO SPARK PROJECTION



WEAR PROTECTIVE SHOES



DANGER FROM SHARP TOOLS



USE HEARING PROTECTORS

These warnings do not include all possible risks that improper use of the machine could cause. For this reason, the operator must proceed with prudence and observing the rules.



2.2. Use and storage of the instruction manual

This instruction manual must be read and understood by all personnel who come into contact with the machine.

This manual is for:

- Indicate the correct use of the machine according to the type of work to be carried out.
- Provide the necessary instructions for the transport, adjustment and maintenance of the machine.
- Facilitate the ordering of spare parts and information of risks.

Limits of use of the manual:

The machine is intended for professional use and therefore the experience of the operator is required and of vital importance.

Importance and conservation of the manual:

This manual must be considered part of the machine and must therefore be attached to it until the end of its use.

Additional information and clarifications:

The user, owner or maintenance person can contact the manufacturer to request any additional information on the use of the machine and possible modalities for maintenance and repair intervention.

Expiration of responsibility:

The manufacturer is considered exempt from any liability in the event of:

- Improper use of the machine
- Use of the machine by untrained persons
- Serious failures in scheduled maintenance
- Unauthorized interventions or modifications
- Use of non-original spare parts.



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2.3. Declaration of conformity

The company hereby **Elite Sharpening Machines, SLU**
C/Joan Oró, 27
ES-08635 Sant Esteve Sesrovires

declares that the product indicated below, based on its conception and construction, as well as the version put on the market by our company, complies with the mandatory basic health and safety requirements of the CE directive.

This declaration loses its validity in the event of unauthorized modifications to the product.

Product name: ***ELITE FILTRAmag PRO***
Product type: ***Filtration equipment***
Serial No.: _____

EC Directive Competences:

- **EC Machinery Directive (2006/42/EC)**
- **European directive on electromagnetic compatibility (2014/30/EU)**
- **The protection purposes of the CE low voltage directive (2006/95/CE) were fulfilled according to annex I, nr. 1.5.1 of the machinery directive 2006/42/EC**

The technical documentation was compiled by Legal representative of the documentation:

Sergi Valls Gramunt
Joan Oró, 27
ES-08635 Sant Esteve Sesrovires

Date / manufacturer - Signature: _____

Signatory data: Sergi Valls Gramunt, manager

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3. TECHNICAL DATA

In the following information table, find the list of technical specifications of the filtration equipment described in this manual.

TECHNICAL DATA	FILTRAmag PRO
Filtration flow rate	Up to 200 l/min.
Filtration quality	5, 10 or 25 μ m
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.



4. TRANSPORT

The FILTRAmag PRO is delivered packed in a wooden crate.

During all transport and transfer, the machine must be kept in its original vertical position, any variation in this position may lead to the loss of the guarantee.



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



4.1. Instructions for unpacking and setting up

!! Take special care when lifting the load: The load may not be centered!

To lift or move the load, use a forklift with blades long enough to support the machine, taking into account the width and depth of the machine for the calculation of the weights to lift.

Once the packaging has been opened, remove the fixing stops from the feet of the machine





5.INSTALLATION

5.1.Machine placement

Before any work make sure that the machine is well aligned and does not oscillate at any of its ends, in which case it must be wedged to avoid movements. For its correct level it is necessary to use a leveling tool. This check must be carried out both longitudinally and transversally.



Poorly leveling the machine can cause unwanted vibrations and premature wear of the linear guides.



WARNING: The machine must not be used under any circumstances by unqualified or unauthorized personnel.



5.2. Electrical connection

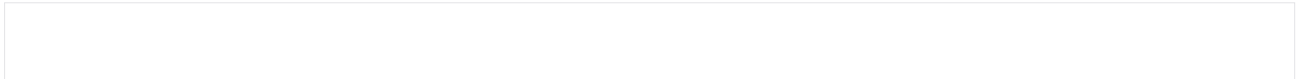


DANGER HIGH VOLTAGE!

The electrical connection of the machine must be carried out by qualified technical personnel only at the voltage indicated in the machine order / machine identification plate.

For any doubt about the voltage, consult the manufacturer before the connection.

Any claim for an incorrect connection will be out of warranty.





5.3. Main components of the machine



1. Control panel
2. Chiller (optional)
3. Filtering cartridge
4. Pumps of grinding machines (not provided)
5. Pump for chiller unit (optional)



5.3. Control panel

The FILTRAmag PRO filtration system is very simple to operate, all functions can be controlled from a single control panel:



1. ON / OFF chiller unit (optional)
2. Light indicator clean coolant level (ON = low coolant)
3. Automatic coolant fill (optional)
4. START button.
5. STOP button.
6. Emergency stop.



www.elite.es/en/support/manuals/filtramaq-pro-user-manual

For more updated information and helpful videos on how to operate the machine, check our website www.elite.es