

FILTRATION CONTROL UNIT



TECHNICAL FEATURES

- Self-cleaning system
- Long lifespan
- Constant filtration quality
- Does not require the use of consumable materials
- Drag system for sludge evacuation
- Compact size

SUPPLY

- Tank made of robust metal construction, sealed, with a volume of about 1000 liters, complete with covers of various sizes for different purposes and functions
- Drainage connections for emptying the tank and overflow
- 1 visual and electronic level indicator for minimum-maximum service on the filtered liquid tank
- 2 flanges to accommodate the following pumps
- 1 pump for cleaning the rotofilter
- 1 pump for returning filtered liquid to the storage tank, located at a maximum distance of 10 meters from the control unit

DESCRIPTION

The **ROTOFILTER** control unit is designed and built for the filtration treatment of contaminated oils and coolants, derived from the operation of machine tools for chip removal.

The filtration process takes place through a self-cleaning drum filter constructed with FAMA technology and interchangeable screens.

The self-cleaning drum filter is built according to specific requirements: the filter elements are designed based on the type of coolant and contaminants to be treated.

Through a centrifugal pump, the contaminated coolant present in the machine tool is sent to the filtration unit. The outgoing flow of filtered coolant is continuous.

The **ROTOFILTER** control unit therefore ensures a constant flow to the machine tool, preserving the longevity of mechanical components, cutting tools, and both high- and low-pressure pumps.

The filter cleaning is automatic. The evacuation of sludge is performed via a drag system.

The unit is composed of a containment tank with a variable capacity (minimum 800 liters), made of painted steel construction and tested with penetrant liquids. On the top, the pumps and other accessory components (magnetic filters, cartridge filters, cooling devices, etc.) can be installed.

The **ROTOFILTER** control unit is prepared for the installation of measuring instruments, such as pH meters, refractometers, etc.

The tank is equipped with an inspection hatch, drain connections for emptying, and an overflow. It is built on a palletized structure for easy movement with a forklift and is equipped with lifting lugs on the sides for crane handling.



OIL OR COOLANT



CONTINUOUS FILTRATION



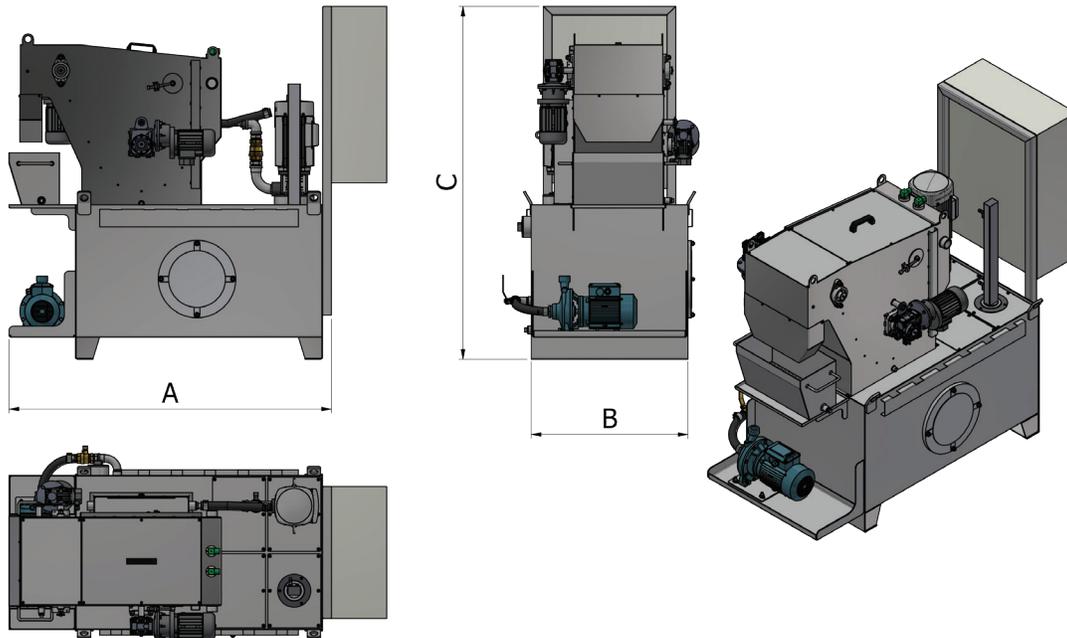
AUTOMATIC FILTER CLEANING

FAMA RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT WITHOUT NOTICE

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FILTRATION CONTROL UNIT

DIMENSIONS

	FF200	FF400	FF600
A - LENGTH [mm]	1500	1500	1800
B - WIDTH [mm]	700	1000	1500
C - HEIGHT [mm]	1600	1600	2200
CONTROL UNIT WEIGHT [kg]	410	520	810

TECHNICAL DATA

TOTAL POWER [kW]	3-11
ELECTRICAL SUPPLY [V]	400
FLOW RATE [l/min]	70-250
FILTRATION DEGREE [μ m]	40/10

TEST PERFORMED WITH OIL 22 CsT, 4% EMULSION

MODEL	FF200	FF400	FF600
FILTRATION DEGREE [μ m]	40/10*	40/10*	40/10*
OIL FLOW 22 CsT [l/min]	70**	140**	250**
4% EMULSION FLOW [l/min]	100**	200**	500**
STORAGE CAPACITY [l]	800	1500	200

*THE FILTRATION DEGREE DEPENDS ON THE FILTER ELEMENT USED.

** THE OBTAINED FLOW RATE IS INDICATIVE AND, IN ANY CASE, DEPENDS ON THE FLUID VISCOSITY AND THE APPLICATION'S ENVIRONMENTAL CONDITIONS (OUTSIDE TEMPERATURE, OIL TEMPERATURE). MOREOVER, THE FLOW RATE VALUES ARE INFLUENCED BY THE REQUIRED FILTRATION DEGREE AND THE PARTICULATE PRESENT (E.G. CAST IRON, STEEL, BRASS).

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