



Costumized solutions for the treatment of waste from processing

Centrifuges FC200

AUTOMATIC CENTRIFUGE
70 ÷ 200 KG/H



Automatic centrifuge for metal chips suitable for separating the cooling lubricant.

It is a small centrifuge, ideal to be installed under the machine or to be integrated in a small treatment group. The discharge of the treated chip is located in the upper part of the centrifuge body.



- Structure made of sturdy painted metalwork, anchored to a thick and rigid platform
- Basket made from a block of special steel turned on a CNC machine and heat treated

- Parts in contact with the chip made of special wear-resistant materials
- Anti-vibration dampers to reduce vibrations
- Reduced dimensions
- High efficiency
- Easily replaceable slotted filter ring with differentiated holes

The **FC200** centrifuge is a unit suitable for centrifuging metal, ferrous and non-ferrous swarf, in order to recover the cooling lubricant used by the machine tool in the production process.

The FC200 centrifuge is designed for continuous feeding and for the treatment of short swarf, not exceeding 2 cm in length.

Under optimal conditions, the FC200 centrifuge allows to obtain swarf with a wet content that can reach up to 1.5%.

The actual efficiency of the centrifuge, as well as the hourly flow rate, depends on the characteristics of the swarf, in particular the material, the shape, the weight per unit of volume, as well as the starting humidity and can be confirmed by testing your swarf at our premises. If there are pieces in the swarf, such as bar headers, semi-finished products or bar ends, the FC200 centrifuge should be equipped with a sieve.

DIMENSIONS Ø X H
570 X 600 mm

POWER
0,98 kW

VOLTAGE
230/400 V

POWER SUPPLY
Continuous

RPM
2.950 rpm

WEIGHT
100 kg

HOURLY PRODUCTION

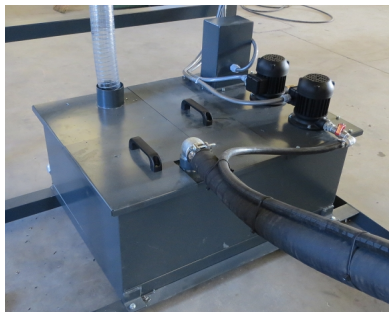
Q = 150 L/H	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
density [kg/l]	1,30	1,20	0,40	1,00	0,80	1,30
Kg/h	200	180	60	150	120	200

The data in kg/h is approximate and in any case depends on the density of the swarf, the shape, the oil content and the type of coolant. the density data considered are hypothetical, based on an experimental average of the data in our possession.

AVAILABLE OPTIONAL

- Customized support structure made of sturdy painted wetalwork to be anchored to the floor
- Discharge screw conveyor
- Slotted ring with hole different from the standard
- Painting in RAL different from the standard

- Coolant collection tank with level sensors and 0.3 bar transfer pump
- Electrical control panel



FURTHER TECHNICAL CHARACTERISTICS

1. In order to optimize the de-oiling result, the machine is equipped with an inverter.
2. The cycle can be controlled by a logo or a PLC.
3. It is essential to equip the centrifuge with a washing pump which will be installed on the recovery tank of the cooling lubricant and will have the function of preventing the accumulation of sludge in the drainage channel of the fluid and avoiding its clogging.
4. The swarf must be short (not more than 2 cm size).
5. The chip must not contain pieces (end of bar, bar headers, machined products, ...). Parts of about one centimeter are tolerated.
6. To ensure maximum performance, the centrifuge must be loaded continuously and uniformly.

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