



Costumized solutions for the treatment of waste from processing

Centrifuges FCM 31-61

DEOILING CENTRIFUGE WITH EXTRACTABLE BASKET
BASKET Ø300-600



Deoiling centrifuge with extractable basket ideal for de-oiling metal swarf or any small metal parts



- Ideal for de-oiling small quantities of swarf or small metal parts

- Available in 4 models from 15 to 100 liters for different needs
- Supporting base in carbon steel plate
- Possibility to achieve a better degree of de-oiling by lengthening the work cycle
- Possibility to centrifuge even long swarf
- Ideal for companies that work with more materials (e.g. machining for third parties)

The FCM deoiling centrifuge with extractable basket is the ideal machine for **de-oiling swarf or any small parts** deriving from the processing of machine tools.

It consists of a cylindrical steel frame, housing a **removable perforated basket** designed to contain metal swarf or small parts impregnated with cutting fluid.

The centrifugal force generated by a rotor/motor separates the cutting fluid from the swarf, then the coolant courses through the holes of the basket and is discharged outside.

POWER SUPPLY

discontinuous

LID OPENING

manual

FCM	31	48	61
Drum volume lt.	15	35	100
Content weight in Kg	20	40	150
RPM/minute max	1480	980	740
Batches/hour max.	10	10	8
Drive kW	1.1	1,5	5.5
Heating kW	0.6	3	6
Drum Ø mm.	300	480	600
Drum H	245	300	410
Machine (only) weight Kg	130	250	410

AVAILABLE OPTIONALS

- Fe360 carbon steel replacement basket
- 80 L oil recovery tank, complete with centrifugal pump controlled by a level float switch
- Heating kit with 3000 w electric resistance with thermostat and without fan
- Crane to lift the basket, underarm height from the ground 2500 mm, outreach 1800 mm, 125 kg electric hoist with manual push (chain speed 5 m/min)



FURTHER TECHNICAL CHARACTERISTICS

The FMC31-61 centrifuge can be loaded and unloaded in two different ways:

1. **manual mode**, with the aid of a jib crane complete with electric hoist, which allows the baskets to be hooked up and lifted after being filled with swarf or small parts and inserted inside the centrifuge itself to be centrifuged; in this case the lid must be opened manually;
2. **with the help of an automatic system** capable of autonomously performing the baskets loading and unloading operations in the absence of the operator. A manipulator or transfer system lifts, fills and inserts the basket into the centrifuge. Unloading takes place in the same way. In this case the lid is opened by means of a pneumatic cylinder operated by an electrovalve before loading the basket and at the end of the cycle by means of an adjustable timer.

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