



M200IF 3M

Industrial vacuum for
chips & oil recovery

Features

Mobile, compact and powerful, the vacuum cleaner TECNOIL is the ideal machine to suck up liquid (oil or coolant) mixed with metal chips, separate the oil from the chips and recover the clean oil thanks to a powerful air flow reversal system.

The suction is provided by three by-pass motors, using carbon brushes, operated by independent switches and placed inside a sturdy steel casing. The motor head is filled with noise reducing material, in order to limit as much as possible the level of noise, and designed in order to convey the exhaust air towards the ground, so as not to bother the user and not to raise possible dust in the neighbouring area. The control board includes three independent switches.

The suction unit is protected by a double layer polypropylene filter, with a mesh structure designed to trap oil mist and other airborne liquid particles. A pressure detector detects the level of liquid in the container, shutting off the motor automatically when it is full.

The swivelling suction inlet makes it easy for the operator to move the hose easily and quickly. The metal particles (chips and shavings) are then separated into a sieve basket, placed inside a detachable wheeled container, which makes it easy and safe to dispose them. The clean oil is then collected into the bigger container (capacity 200 litres), until the limit of capacity is reached. At that point it is then possible to pump it out rapidly the liquid through a discharge oil proof hose fitted with a gun and valve, simply turning a handle that reverses the air flow.

The vacuum cleaner is mounted on a solid steel trolley, and equipped with polyurethane oil resistant braking castors.

Applications

Suction from machine tools of liquids, (mainly oils and coolants mixed with metal chips or other solid material)

Filtration and recovery of cutting oil and coolant liquid

Advantages

Rapid collection or disposal of the filtered liquid

Reduced stand-by time of machine tools

Saving by recovering and using several times the same oil and coolant

Technical data sheet

MODEL – M200 IF 3M		
Electric power supply	Volt Hz	230 (or 110) 1~ 50 / 60
Power	kW	3,45
N° of motors	-	3
Max water lift	mmH ₂ O	2500
Max air flow	m ³ /h	540
Capacity (liquid)	L	200
Capacity (solid)	L	40
Suction inlet Ø	mm	50
Noise level	dB(A)	76
Discharge of liquid	Type	Reverse air flow
Dimensions	cm	63 x 110
Height	cm	147
Weight	kg	165

Options

- Independent discharge pump
- Pre-filtration with PPL filter, up to 300 or 100 micron
- Microfiltration up to 90 or 10 micron