

TECNOIL 100IF 3M - OIL AND CHIPS



AVIATION



METALWORKING



- ✓ Suction from machine tools of oils and coolants mixed with metal chips
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Easy filter replacement
- ✓ Compact and mobile
- ✓ Complete steel construction
- ✓ PPL filter for protection of motors from liquids and foam
- ✓ Foam filter for protection of motors from liquid mist
- ✓ Discharge system through reverse flow by means of an hose. No need of discharge pump
- ✓ Saving while recovering, filtrating and reusing cutting oil and emulsion
- ✓ Three powerful by pass motors with independent cooling



SUCTION UNIT

Voltage	V - Hz	230 - 50 1~
Power	kW	3,45
Max waterlift	mmH2O	2000
Max air flow	m³/h	540
Noise level (EN ISO 3744)	dB(A)	76



FILTRATION UNIT

Filter Type		3D SuperWeb
Surface - Diameter	cm²-mm	500
Media - Filtration		Nuovo valore



COLLECTION UNIT

Discharge system		Reverse flow
Liquids capacity	lt.	100
Solids capacity	lt.	40
Discharge speed	lt / min	140
Floating device		N./A.



VOLUME

Dimensions	cm	67x66x125h
Weight	kg	70



SUCTION UNIT

The reverse flow system, activated by a manual valve placed at the top of the motor head, allows to rapidly discharge liquid by using an oil resistant discharge hose. The hose includes a valve in the discharge nozzle.

The suction is provided by three by-pass motors, using carbon brushes, operated by independent switches and placed inside a sturdy steel casing, filled with soundproofing material.



FILTRATION UNIT

The suction inlet is tangential and the cyclone is entirely welded, consequently slowing the sucked chips and protecting filters.

The PPL polypropylene filter for liquids protects the motor from foam and other solid objects; an additional plastic foam filter prevents most of the liquid mist from getting to the motor.

A metal sieve grid withholds the solid material, while the clean oil goes into the liquids container.



COLLECTION UNIT

A discharge valve makes it possible to reintroduce flux inside the system.

The container is detachable, compact and contains the sieve grid which retains the solid part.

The vacuumed material is collected into a wheeled steel detachable container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handier disposal.



OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ OIL & WATER PROOF CARTRIDGE
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ PPL OIL FILTRATION KIT DOWN TO 100 MICRON (SUCTION)
- ✓ PPL OIL FILTRATION KIT DOWN TO 300 MICRON (SUCTION)