



## TECNOIL 100IF 3M - OIL AND CHIPS



BUILDING AND CONSTRUCTION



ELECTRONICS



LEATHER WORKING



OPTICS



PLASTICS



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



### SUCTION UNIT

Voltage	V - Hz	230 - 50
Power	kW	3,45
Max waterlift	mmH2O	2.000
Max air flow	m³/h	540
Noise level (EN ISO 3744)	dB(A)	76



### FILTER UNIT

Filter Type	3D SuperWeb
Media - Filtration	Polypropylene - 20µm



### COLLECTION UNIT

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



### VOLUME

Dimensions	cm	67x66x125h
Weight	kg	70



## SUCTION UNIT

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.

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.



## FILTER UNIT

A propylene filter for liquids is installed upstream. This filter guarantees the efficient filtration of the vacuumed oil; 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.

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



## COLLECTION UNIT

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

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

The detachable steel collection tank has a quick release system for the rapid disposal of the sucked material.



## OPTIONALS

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