

# INDUSTRIAL VACUUM FOR OIL & CHIPS RECOVERY

## TC 400 IF

The TC400 IF is a three-phase turbine vacuum cleaner with a large liquid collection capacity, designed to make extracting and separating chips and lubricating oils in tanks and reservoirs easier, particularly in heavy and continuous applications. The vacuum cleaner can recover and filter up to 400 litres of oil mixed with metal chips, and features an automatic stop for when the container is full. The filtered oils can be drained quickly using a system of reversed airflow, while the chips are discharged using a tilting hopper with reduction gear.



### SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It is designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.



### FILTRATION 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.



### COLLECTION UNIT

A practical reducer allows the operator to tilt the hopper and easily discharge the solid material, which was separated by a sieve grid, whereas the clean liquid sets down in the underlying tank which includes a hose and a discharge valve. Thanks to the reverse flow system, the hose and the discharge valve allow the operator to reinsert the filtered liquid back into the system.

### Main Features:

- Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- Complete steel construction
- Vacuum gauge to detect filter clogging
- PPL filter for chips separation
- Discharge hose for liquids
- Saving while recovering, filtering and reusing cutting oil and emulsion
- Discharge system through reverse flow by means of a hose. No need of discharge pump
- Forklift intakes included



### MODELS AND DATASHEET

MODELS	TC 400 IF
Power (V - Hz)	400 - 50
Power (kW)	4
Max Waterlift (mmH2O)	3,200
Noise Level (EN ISO 3744) - dB(A)	76
Filter Type	3D SuperWeb
Surface— Diameter (cm <sup>2</sup> -mm)	500
Media— Filtration	Polypropylene—20µm
Discharge system	Reverse flow
Liquids capacity (Litres)	400
Solids capacity (Litres)	50
Discharge speed (Litres/Minute)	200
Floating device	Yes
Dimensions (cm)	140 x 70 x 180h
Weight (kg)	225



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