

INDUSTRIAL VACUUM FOR OIL & CHIPS RECOVERY

TC 220 MPI

The TC220 MPI vacuum cleaner is a powerful vacuum cleaner equipped with 3 independent single-phase motors, designed specifically for the mechanical industry and maintenance of CNC machine tools. Coolant liquids and emulsions can be easily suctioned, separating off any metal chips or swarfs and allowing the vacuumed liquid to be reused, all at the same time! This means significant savings in terms of money and time spent servicing machinery. 220 litre liquid capacity, 40 litre sieve grid basket for metal chips and simultaneous suction, filtration and discharge of liquids! An inspection door allows to easily clean the inner part of the vacuum.

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.

FILTRATION UNIT

A floating device stops the suction whenever the liquid in the container reaches the maximum level and prevents overflowing. 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. SUPERWEB 3D primary filter is a special and hydro-oleophobic filter which guarantees the maximum oil separation while protecting the engine from oily mists and atmospheric dust.

COLLECTION UNIT

Forklift intakes for easy discharge. After vacuuming, the liquid is filtered from metal chips, which are held by a detachable sieve grid and then collected inside a high capacity collection tank. Thanks to an electric pump, it is possible to dispose quickly of the vacuumed liquid or to re-insert it rapidly into the machinery.

Main Features:

- Reduced downtime of machine tools
- Possibility of recycling oils and emulsions
- Reduction of disposal costs due to exhausted oils
- Reduction of machine cleaning times
- Simultaneous operation of liquids vacuuming and discharge
- PPL filter for chips separation
- Floating device to stop suction when container is full
- Grid for chips vacuuming
- Submerged pump for the discharge of the sucked liquid



MODELS AND DATASHEET

MODELS	TC 220 MPI
Power (V - Hz)	240 - 50
Power (Kw)	3.45
Max Waterlift (mmH2O)	2500
Max Airflow (m3/h)	540
Noise Level (EN ISO 3744) - dB(A)	76
Filter Type	3D SuperWeb + PPL
Media—Filtration	Polypropylene—20µm
Discharge system	Immersion pump
Liquids capacity (Litres)	220
Solids capacity (Litres)	40
Discharge speed (Litres/Minute)	160
Floating device	Yes
Dimensions (cm)	110 x 63 x 147h
Weight (kg)	165



METALWORKING