



ECOVAC 200 - Liquid Filtration and Recycling Sump Cleaner

Mobile sump cleaning and filtering unit with 50 gallon tank capacity which will simultaneously pick-up, filter and return cleaned coolant in one continuous operation.



Suction Power:	110 Volts, 60 HZ, single phase, 17 Amps, max input 2.5 Hp
Suction Performance (Air):	80 SCFM
Suction Lift (water):	12 foot (maximum)
Suction rate:	45 gpm (water) using the 2 inch suction hose

Pump Discharge Unit:	1/2 Hp induction motor driven open impeller centrifugal pump, protected by a large in-tank filter. The oil resistant discharge hose (10 feet x 1 inch) is fitted with a trigger actuated nozzle. Discharge rate is 20 gpm (water) @ 100 psi.
Controls:	Splash proof On/Off Switch for suction and discharge, incorporating float actuated electrical shut-off.
Filter Basket:	10 Gallon capacity with 200 micron replacement nylon filter bag and 10 micron disposable bag (Other filter bags sizes are available)
Construction:	Heavy duty mild steel tank mounted on 5 inch casters – 2 swivel and 2 fixed – for easy mobility. Includes 9” cleaning access port.
Dimensions (L x W x H)	48” x 27” x 48”.
Weight:	330 pounds (Empty)
Electrical Requirement:	110 volts, 60 Hz, 20 Amp circuit, Single Phase

Price \$7,900.00

(Price Subject to change without notice)

Description

The Freddy Ecovac is designed to allow you to continuously vacuum out, filter and return coolant - even during the machining operation. This means that you can use it on sumps of any size.

A filter bag is located in a perforated steel basket and is used to filter swarf, chips and

sludge and smaller particulates from the coolant. Filter bags are available in various sizes from a 10 micron (disposable) to 50, 100, 200 or 400 micron reusable filters.

The Ecovac also includes a float assembly within the main tank to prevent overfilling.

Operational overview



Simple operational diagram

The Ecovac is supplied with different tools to make tasks easier for sump cleaning.

Once a filter is installed and the appropriate tool is attached to the suction hose, the Ecovac is ready to vacuum sumps, remove dry chips from the machine tool's table and even pick up fluid spills from the floor.

As the Ecovac has a separate discharge pump, the filtered coolant can be returned to the machine tool sump at the same time as the Ecovac is being used to vacuum out coolant, meaning that the whole process is continuous.

The clear return hose allows you to see the cleaned coolant being returned.