

Model VC16 MultiPurpose Vacuum Catch Basin Cleaner

In a Performance Class by Itself

VACALL™



No other machine gives you the versatility or the power of a VacAll!

The VacAll Model VC16 gives you the most powerful vacuum and catch basin cleaner available. VacAll's high performance, 16,500 CFM blower pulls muck, debris, rocks, bottles and large volumes of water effortlessly from catch basins through its large 12" diameter vacuum tube. VacAll removes wet or dry leaves and spills, cleans sludge beds and has hundreds of other uses. You name it — VacAll is your problem solver. You'll achieve larger payloads without sacrificing performance. You always get more in a VacAll:

- Powered by the most powerful engine in its class
- Large capacity, 16 cu yd debris body
- 12" diameter vacuum tube ensures maximum vacuum power and unmatched productivity
- Hydraulically powered rear boom with 1,000 lb lift capability
- Expanded versatility with addition of single or dual street sweeper capability

VACALL™ Multipurpose Vacuum Catch Basin Cleaner

Power System

Engine

- Manufacturer: Cummins 6BT5.9
- Cylinders: 6 turbocharged
- Displacement: 359 cubic inches (5.9 L)
- Horsepower: 120 (89.5 KW) @ 2200 RPM
- Torque: 372 ft lbs (504 N.M.) @ 1600 RPM
- Air cleaner: heavy duty two stage with restrictor indicator
- Protection system: Murphy engine shutdown for low oil, high temperature (with visual indicator)
- Coolant recovery system

Body

- Construction: fabricated, welded, reinforced grade 50 steel, 3" (76.2mm) taper body
- Capacity: 16 cu yd (12.2CM) volumetric, 14.8 cu yd (11.4CM) useable
- Body hoist: class 80, 68,000 lb capacity
- Lifting: two (2) 5" dia. (127mm) double acting hydraulic cylinders, power/up/down
- Dumping: hydraulic power – 50° dump angle
- Tailgate door: one-piece, full opening, reinforced construction 7 GA (4.5mm) steel
- Seal: adjustable neoprene
- Tailgate/door operation: hydraulic with power boom
- Filters screens: eight (8) removable filter screen assemblies
- Dust air chamber: two (2) front located, sealed clean out ports, one each side
- Deflector: adjustable internal material deflector
- Vacuum hose connection: one (1) body hose connection port — 12" (305mm) provided on curbside of body door
- Body drain: 6" dia. (153mm) liquid drain hose located on tailgate door
- Body safety props: two (2)

Blower

- Capacity 16,500 CFM (339.8 cu m/min.), 235 MPH (380KPH)
- Diameter: 33" (838mm)
- Blades: 12 – 3/8" (9.5mm) thick steel
- Speed: approx. 2,684 RPM
- Drive System: cushioned multiple belt through a fluid drive coupler
- Housing construction: heavy-duty steel
- Blower silencer: acoustically suppressed

Water System

- Pump: centrifugal with manual or optional electric clutch
- Capacities: 50 – 120 GPM (189 – 454 LPM), 50 – 75 PSI (3.5 – 5.2 BAR)
- Drive: auxiliary engine — v-belt
- Pump controls: exterior
- Flow control: electric solenoid valves and ball valves for infinite variable flow

Water Tank

- Construction: 1/4" (6.4mm) UV-resistant polyethylene
- 4" (102mm) air gap fill system
- Capacity: 350 gallons (1113.5, 1324.8, and 1589.7 L)
- Fill system: 15' x 1-1/2" (4572mm x 38mm) hydrant hose
- Low water: indicator light in cab

Vacuum Intake Hose Assembly

- Diameter: 12" (305mm) inside dia. x 8' (2.4M) long flexible rubber, steel wire reinforced, three (3) support collars



The VacAll features optional heavy-duty, wide area street sweeping with right or left-right side configuration.

- Operation handle: adjustable circular
- Nozzle extension: 24" (610mm) long nozzle extension
- Catch basin tube: 12" (305mm) x 7' 8" (2337M) long vacuum tube, coupled to intake hose assembly for cleaning to depth of 11' (3.4M)
- Boom: rotating, hydraulically powered, 1,000 lb capacity
- Boom lift: vertical lift 11' (3.4m) and horizontal swing left/right
- Control station: pendent control up/down — engine RPM

Hydraulic System

- Pump capacity: 12 GPM (45.42 LPM)
- Pump type: gear driven
- Filter: high pressure 10 micron
- Control valves: 12 VDC solenoid operated

Electrical System

- Battery: 1,000 CCA
- 12 volt
- Alternator 65 AMP

Standard Equipment

- Lights & reflectors: D.O.T. required
- Beacon: amber rotating beacon, rear top
- Alarm: back up
- Mounting: installation on suitable factory-approved chassis

Optional Equipment

- Debris body capacities: 14 cu yd (10.7 CM), 20 cu yd (15.3 CM)
- Catch basin hose assembly swivel ball/joint: heavy gauge zinc plated swivel connection from body to 12" (305mm) intake hose
- Catch basin hose assembly 12" dia. (305mm)
- Catch basin tubes 12" dia. x variable lengths (305mm)
- Additional rear and side catch basin hose assembly ports
- Screen washer system
- Vibrator for body dumping
- Arrow light stick
- Body drain valve assembly 6" (152.4mm) with 1/4 turn drain valve
- Body fenders
- Sweeper lights broom/vacuum head
- Auxiliary gauges
- Scrubber collar for rear intake vacuum hose
- Strobe lights
- 48" (1219mm) vacuum head, 450 square inch coverage (2903 sq cm)
- 36" dia. (914mm) gutter brooms
- Body load indicator
- Water supply tanks 350 gallons (1324.8 L) and 420 gallons (1589.7 L)
- Light guard
- High pressure wash down pump
- Single or dual sweeper assembly
- Front boom assembly
- Auto reverse broom and vacuum head pickup
- Consult factory for other options
- Paints other than standard
- Extended warranty

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