

## Model VF16C 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 VF16C** gives you the most powerful and versatile front-mounted vacuum catch basin cleaner available. VacAll's high performance, 16,500 CFM blower pulls muck, debris, rocks, bottles, sticks and large volumes of water or sludge effortlessly from catch basins through its large 12" diameter vacuum tube. Vacuum up leaves, spills, sludge beds — large or small, wet or dry, VacAll handles them all. It's the proven solution to achieving larger payloads, higher productivity and long-term performance. You always get more in a VacAll:

- Large capacity, 16 or 13 cu yd debris body
- Easily maneuverable to reach the toughest locations
- Versatile telescopic front-mounted vacuum hose
- 12" diameter vacuum tube ensures maximum vacuum power and unmatched productivity

## 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: engine shutdown for low oil, high temperature (with visual indicator)

#### Body

- Construction: fabricated, welded, reinforced grade 50 steel, 3" (76.2mm) taper body
- Capacity: 16 cu yd (12.2CM) volumetric, 14.8 cu yd (11.3CM) useable
- Body hoist: class 80, 68,000 lb capacity (30,844kg)
- 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
- Body drain: 6" dia. (153mm) liquid drain hose located on tailgate door
- Body safety props: two (2)

#### Blower

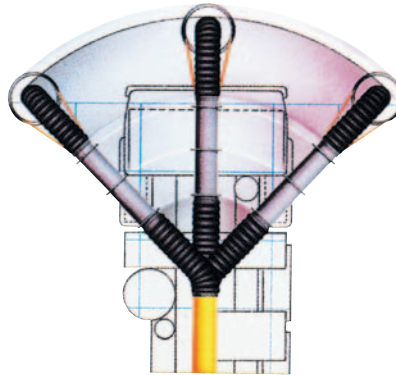
- Capacity 16,500 CFM (467 cu m/min.), 235 MPH (380KPH)
- Diameter: 33" (838mm)
- Blades: 12 – 3/8" (9.5mm) thick steel
- Speed: approx. 2,684 RPM
- Drive System: cushioned multiple belt through a fluid drive coupler
- Housing construction: heavy-duty steel
- Blower silencer: acoustically suppressed

#### Water System

- Pump: centrifugal with manual or optional electric clutch
- Capacities: 75 – 120 GPM (284 – 454 LPM), 75 PSI (5.2 BAR)
- Drive: auxiliary engine — v-belt
- Pump controls: exterior
- Flow control: ball valves for infinite variable flow

#### Water Tank

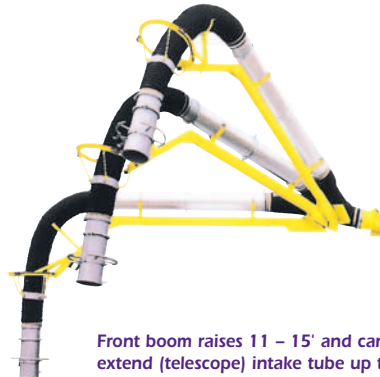
- Construction: 1/4" (6.4mm) UV-resistant polyethylene
- 4" (102mm) air gap fill system
- Capacity: 300 gallons (1,136 L)
- Fill system: 15' x 1-1/2" (4572mm x 38mm) hydrant hose
- Low water: indicator light in cab



Boom rotates approximately 120°.

#### Front-Mounted Vacuum Intake Hose Assembly

- Diameter: 12" (305mm) inside dia. x 8' (2.4M) long flexible rubber, steel wire reinforced
- Operation handle: adjustable circular
- Nozzle extension: 24" (610mm) long nozzle extension
- Catch basin tube: 12" (305mm) x 7' 8" (2337mm) long vacuum tube, coupled to intake hose assembly for cleaning to depth of 11' (3.4M)
- Boom rotation: 120° approx.
- Boom height: 11 – 15' (3.33M – 4.54M)
- Boom extension: hydraulic, telescopic – 6' (1.83m)
- Control station: joy stick control in cab – R/L, up/down, RPM, in/out, optional plug-in at front outside location



Front boom raises 11 – 15' and can extend (telescope) intake tube up to 6'.

#### 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: 1450 CCA @ 32° F
- 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: 13 cu yd (10 CM),
- Catch basin hose assembly swivel ball/joint: heavy gauge zinc plated swivel connection from body to 12" (305mm) intake hose – rear mount
- Catch basin hose assembly 12" dia. (305mm) – rear mount
- Catch basin tubes 12" dia. (305mm) x variable lengths
- 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
- Auxiliary gauges
- Scrubber collar for rear or front intake vacuum hose
- Strobe lights
- Body load indicator
- Water supply tanks 350 gallons (1324.8 L) and 420 gallons (1589.7 L)
- Light guard
- Bell nozzle: leaf collection
- Water pump: 150 PSI (10.2 BAR) at 120 GPM (454 LPM) with manual clutch
- Pendant control: 2nd pendant control for front outside operation
- Paints other than standard
- Extended warranty
- Consult factory for other options

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