



B5 AND B52 SERIES

COMBINATION CLEANING/VACUUMING MACHINES

The B5 and B52 Combination Cleaners are designed to give unsurpassed performance in catch basins, storm sewers, lift stations and treatment plants in municipal and industrial applications.

B5



B52



SOME FEATURES SHOWN MAY BE OPTIONAL.

HIGH-PERFORMANCE, STATE-OF-THE-ART FEATURES INCREASE PRODUCTIVITY.

- **SINGLE ENGINE DRIVE**

Dramatically decreases fuel consumption, maintenance expenses, sound levels, weight on chassis and initial purchase price. Chassis engine powers all systems.

- **REAR MOUNTED HOSE REEL**

The 180° articulating rear reel facilitates placement of unit regardless of manhole location. The rear location assures unobstructed vision for the driver, allows maximum air flow to the chassis engine and provides the quietest workstation in the industry.

- **FULL POWER. 360° ROTATING BOOM**

The top loading boom is self-cleaning, powers up/down and extends to 20 feet. Top mounting produces even load distribution.

- **VACUUM HOSE**

The heavy-duty, wire-reinforced rubber, 8" hose is designed to prevent wear and clogging. Vacuums up bottles, cans and bricks over 150 feet in depth.

- **CYLINDRICAL DEBRIS TANK**

High-strength steel is corrosion and abrasion-resistant. Has more usable space for larger loads than any other design. Capacities of 10 to 15 cu. yds.

- **LIGHTWEIGHT WATER TANKS**

Fully baffled 3/8" thick, U.V. stabilized, non-corrosive polyethylene saddle tanks. Capacities from 1000 to 1500 gallons.

- **TRIPLEX RECIPROCATING WATER PUMP**

Continuous flow triplex reciprocating water pump is rated at up to 80 GPM@2500 psi and is designed to operate dry.

- **INTERNAL BOOM VALVE**

Increases air velocity, builds instantaneous vacuum to 204" of negative water pressure for picking up materials above and below water.

- **VACUUM CUT-OFF SYSTEM**

Fail safe protection prevents materials from entering positive displacement exhauster and passing into the atmosphere.

- **LOWEST CENTER OF GRAVITY**

Makes full loads more stable during transport.

- **PNEUMATIC FOOT CONTROL**

Permits one-man operation of hose reel payout/retrieve, and allows operator to work any distance from unit.

- **VACUUM TUBES**

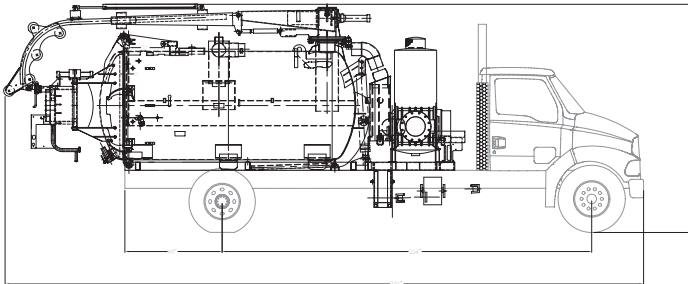
Ball and socket connections and quickacting lever locks from a water-tight seal. Tubes can be locked at various angles to allow infinite positioning of tubes when cleaning deep manholes and catch basins.

DISTRIBUTED BY:

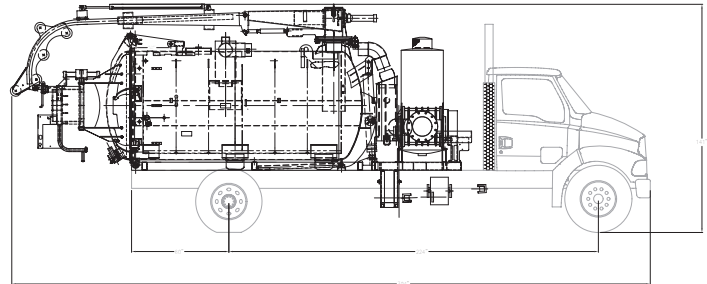
■ Combination Machine

■ Rear Mounted Reel

B5

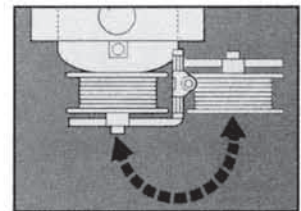


B52



| Unit Dimensions | B5 | | B52 | |
|-----------------------------|------|---------|------|---------|
| | U.S. | Metric | U.S. | Metric |
| A. Overall length | 267" | 6782 mm | 267" | 6782 mm |
| B. Height above truck frame | 103" | 2616 mm | 103" | 2616 mm |
| C. Overall width | 96" | 2438 mm | 98" | 2489 mm |

Dimensions may vary with chassis and options selected. Specifications are subject to change without notice.
All ratings are calculated at sea level. Patents applied for. Some features may be optional.



**180° ARTICULATION
(TOP VIEW)**

GENERAL DESCRIPTION

AIR/VAC SYSTEM

Positive displacement exhauster
2700 CFM (4588 m³/h) operating capacity,
204" (5282 mm) water column
Poly chain drive
Muffler silencer
Protected by micro-filter/centrifugal separator
Vacuum relief valves

DEBRIS TANK

Cylindrical design
5 cu. yd. (3.82 m³) B10
Dumping 45°
Hydraulic power up/down cylinder
Self-aligning closure seal
Top-hinged full opening rear door
Two 5" (127 mm) liquid level sight eyes
Debris deflector plate
Double strainer for rear door drain
Rear door security prop
4 mechanical rear door locks
Rear door power up/down hydraulic cylinder
Stainless steel ball check valve
6" (152 mm) quick opening rear drain valve
6" (152 mm) x 15" (4.6 m) lay flat discharge

BOOM

Top mounted
360° hydraulic rotation
Portable pendant, controls all functions
Internal boom valve
8" (203 mm) extra heavy duty rubber intake hose
Extends to 20' (6.1 m)
Powers up/down
Rear storage location
Quick open cleanout

WATER SYSTEM

Triplex reciprocating
0-65 GPM (246 LPM)
0-2000 PSI (138 bar)
Poly chain drive
Capable of running dry
Pressure relief valve
Water flow control valve
Air valve on pump for cold weather operation
Wash down gun connection

Wash down gun with 35' (10.7 m) of 1/2" (12.7 mm) hose
800 PSI (55 bar) relief valve
Suction line strainer

WATER TANK

B5 1000 gal. (3785 L capacity)
B52 2000 gal. (7570 L capacity)
Fully baffled
Anti-siphon air gap protection
Curb side fill
2 liquid level indicators
Removable inspection covers
Limited lifetime warranty

HOSE REEL

Rear mounted
Hydraulic 180° articulating
400' (122 m) of 1" (25.4 mm), 2500 PSI (172 bar) hose
800' of 1" (248 mm) hose capacity
Reel speed control valve
Hose levelwind
Hydraulic drive
Pneumatic foot control pedals
Automatic positioning lock
Engine throttle
Vacuum/pressure gauge
Tachometer
Water pressure gauge

POWER TAKE-OFF

Split shaft transfer case
Pneumatic shifting

ACCESSORIES, STANDARD

Hinged tank support prop
8" x 6" (203 mm x 1.8 m) aluminum intake tube
8" x 8" (203 mm x 2.4 m) aluminum extension tube
Two operation, parts and service manuals (unit only)
15° nozzle
35° nozzle
Manhole hose guide
Painted one color, urethane enamel
Touch-up paint
2 aluminum tool boxes
Tube storage carriers on front bumper
Aluminum fenders
Mud flaps

VACUUM/DEBRIS TANK OPTIONS

Hydraulic rear door locks
Water pump-off system
Internal flush-out system

Exhausters up to 4500 CFM (7646/h)
Telescoping boom to 25' (7.6 m)
Waste-water recycling
8" fluidizer

WATER SYSTEM OPTIONS

Cold weather recirculation
Rubber leader hose
35-80 GPM (132-303 LPM) water pumps
Pressure: 0-3000 psi (207 bar)
1/2" (12.7 mm) hose reel
Pulsation dampener

OTHER OPTIONS

Front mounted hose reel
Power tilt for front mounted hose reel
Front mounted extending/rotating rose reel
Counter for levelwind
800' (244 m) hose reel capacity
Street flushers
Debris and water tank interconnect for appropriate chassis
Additional tube storage racks
Power deck shroud
Body arrow light board

For other options, see Aquatech's accessory catalog.
Specifications are subject to change without notice.
Some photographs may show equipment that is optional.
All ratings are calculated at sea level.
Patents applied for.

OPTIONS Note: Not all options shown are applicable for all units.



Internal flush-out



Pump off – 180 GPM standard, 300 and 500 GPM optional



Higher air flow blower (vacuum pump or exhauster) – 2700 CFM standard (2100 CFM on B6) 3600 CFM, 4200 CFM, 4500 CFM, 5250 CFM optional



Higher flow (GPM) and pressure (PSI) water pumps – B6 40 GPM@2000 PSI standard; B5, B10, B15 and B52 65 or 80 GPM@2000 PSI. Optional: 80 gpm@2500 PSI, 107 GPM@2000 psi, 125 GPM@ 2000 psi



Multi-flow valve (unloader valve)



Safety lighting – strobes, beacons, arrow boards, light boards



Tool boxes, cabinets, storage



Debris tank material of construction -- A36/50 .250" standard; optional stainless steel.



Hydro excavator package



Higher vacuum blower (vacuum pump or exhauster) – 16" Hg. standard; 18" Hg. and 27" Hg. optional



Jetting hose, 1" x 400 Ft. standard; optional lengths 500, 600, 800 and 1000 Ft. and optional diameter. $\frac{3}{4}$ " and 1.25"



Cyclone separator