

Ring-O-Matic 550 High CFM PTHD **With Optional Hydraulic Boom**

For sales contact:



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Engine: Cat 3024 Diesel 50 HP Engine, Liquid Cooled, 12 Volt Electric Start

Diesel Fuel Tank: 29 Gallon Steel Diesel Fuel Tank

Collection / Vacuum Tank: Capacity 550 Gallons. Inflatable Pneumatic Breaker inside to dislodge settled or hardened materials. Tank has an 8" Stainless Steel ball sealing against a rubber seat to prevent water and dirt from over filling the tank. Unit is capable of unloading in 2 methods: Hydraulically raising the rear door and dumping or by Pressurizing the tank to expel the spoils.

Fresh Water Tank: Capacity is 200 gallons and is equipped with a 1 ½" drain valve.

High Pressure Water Pump: Cat 56RS, Ceramic Pistons and Stainless Steel Springs. Electric Clutch 12 volt rated @ 100 HP. Water Pump Flow – 5.5 GPM @ 3500 PSI when engine is running at 3000 RPM.

Unloader: Flow Range is from 1 – 21 GPM @ 800 – 4000 PSI. Pressure sensitive and will bypass when water is shut off by the gun and relieves the load off the pump. Pressure is held in the discharge line ready for a quick return to high pressure w/3 way valve. (Low pressure for injecting anti-freeze into the pump and system of water lines).

Lights: DOT approved Strobe Light with Control Switch and Dual Halogen Work Lights with Control Switch - Optional.

Low Water Alarm/Siren: Unit has a siren that will warn the operator of low fresh water level in the tank.

Blower: 850 CFM Lobe Style Blower with both Vacuum and Pressure capability. Blower operates at 850 CFM @ 15" Hg. Silencer Muffler for Noise abatement.

Filtration System: Wet / Dry Vacuum Baghouse Filtration. Removable and Washable 100% spun Fiber/Polyester media with molded urethane top easily removed for cleaning. Rated to <5 Micron filtration. Cyclonic action multi-gallon Water Trap in the bottom of Baghouse (Water released by a 3" Gate Valve)

Valves: Unit has 2 – 2 1/2" Vacuum Relief Valves with Stainless Steel Springs used to maintain a Maximum of 15" Hg. Pre-set and Locked Pressure Relief Valve to maintain 5" Hg. in the Collection Tank when the Control Valve is in the Pressurized Off-Loading Position.

Collection Tank Lift System: Is accomplished by Dual Hydraulic Cylinders. Hydraulic pump operates at 9.6gpm @ 2000 psi.

Operator Controls and Gauges: Lockable Curbside Diesel Engine Control Panel Console include: Hour Meter, Tachometer, Keyed Starter & Engine Pre-Heater, Water Temperature Light, Oil Pressure Light, Alternator Light, Low Voltage Automatic Engine Shut-Off, Low Oil Automatic Engine Shut-Off, Water Pump Clutch Fused Switch, Strobe Light Fused Switch, Dual Halogen Work Light Fused Switch, Water Pressure Gauge, Vacuum Gauge, Lever Arm to inflate Pneumatic Breaker, 4-Way 4" Vac/Pressure Valve Adjustment Lever, And Water Filter Cleanout.

Dual Vacuum Ports: Each Port has a 4" Brass Gate Valve Shut-Off and is reduced to 3" Ball and Socket Hose Ends.

Rear Door: Hydraulically Operated Full Opening. Door has 6 Deadbolts around outer circumference for proper seal and safety during Vacuum and Pressure application. Having a 1 1/2" X 1 1/2" Continuous Seal that is recessed into the tank sidewall. Door closure is Cammed for fingertip closing, by using a single hand to move the 6 deadbolts into position. Hydraulic door cylinder is internally ported for slow closure in the event a hydraulic hose breaks.

Engine Enclosure: Sound deadening, lockable Engine Enclosure.

Hose Storage: Adequate to store 2 – 3" X 25' of Hoses.

Trailer: Trailer and unit is Low Profile design for more stable towing and roll over protection. Maximum Height is 78", Length is 221". Trailer is Tandem Axle with two 6000# Rubber Torsion Axles with Electric Brakes on all 4 wheels.

Tools: Machine is equipped with Patented Stainless Steel Emulsifier Gun that has a Rotary Turbo Nozzle imbedded within the cone. Gun provides a continuous revolving stream of water to cut dirt and debris into small pieces to allow simultaneous vacuum removal.

Tool Package: Includes: One 16" Lawnsweep, One Hose Reel with 50' of 4000 PSI Hose and Flexible Spray Wand with nozzle protector, Two 25' of 3" Suction Hose.

Optional Telescopic Hydraulic Boom Boom length is 10'6" long in the retracted position and 15'6" long when fully extended, and is of a true telescopic tube inside tube design. Boom is mounted on the rear of the spoils tank for maximum reach and utilizes greaseable, brass, pivot guides on the base of boom. The four hydraulic functions of the boom are: up and down, and extend and retract, with manual rotation of 320 degrees. Controls for the boom utilize a wireless remote control for the hydraulic functions.