

Cyclonator III

CyclonatorIII	
Dimensions	
Wash area	Varies
Weight (dry)	3000 Lb.
L X W X H	138"L x 60"W x 84"H
Holding tank	Internal
Capacities	
Water In Process	850 gallons
Holding Tank	1200 gallons
Pressure	100 PSI max filter pressure
Flow Filter Process	12-40 GPM
Electric	220V single, 240V or 480V 3 phase
Standard Filtration	
Oil Coalescing	6 cu ft (792 feet ²)
Oil Skimming	Stainless steel skimmer 1GPH with external reservoir
1st Bag Filter	Certa-Seal™ absolute 25 micron cleanable filter
2nd Bag Filter	Certa-Seal™ absolute 9 micron oil adsorbing depth filter
Ozone	24/7 automatic ozone injection
Settling	600 gallons with automatic sludge conveyor
Recirculation	24/7 complete system recirculation
Enclosure	
Material	Stainless Steel with optional polyethylene lid
Components and Controls	
Electrics	NEMA 4 Rated wet environment to NEC standards w/UL listed components
Electrics	Allen Bradley® PLC, contactors, thermal protection, fuse blocks, ferrule terminations, Industrial use
Electric Enclosure	NEMA 4X rated with NEMA4X pushbuttons and cord grips
Pumps	All TEFC motors, solid state thermal protection, wet environment
Recovery	Sump or above ground industrial pump 2" solids tolerance
Ozone	2-4 cell corona discharge with 1 HP stainless steel injector pump
Filter Housings	Custom 304 stainless steel 125 PSI Certa-Seal housings: Optional Dual 65" custom fiberglass media tank 100 PSI
Operation	
On/Off	Automatic Start Stop water sensor
Processing	Automatic, PLC operation with tank sensors and refill provisions
Wash Rack	
Dimensions	Above Ground racks with skid steer trench or Sump based, any depth, any area, indoors or outside
Construction	3/8" diamond tread plate, 7 ga. Structural steel, 19W4 1.5" grating
Capacity	up to 25,000# per tire
Walls	6'h galvanized 2 or 3 sides, taller sides available
Ramps	4' x 6' low angle approach
Trough	2 each 8" troughs covered with grates, suction from either end
Trough, Skid Steer	6' wide side trough designed for cleanout with skid steer
Filtration Options	
Inlet Prefilter	Not Needed with integral Mud conveyor
Material	Not Applicable
Dimensions	na
Filters	na
Media	Suspended solids reduction
Dimensions	90"l x 36"w x 90"h skid mounted
Controls	Automatic, controlled by floats and PLC
Pump	ITT Goulds
Housing	High pressure vertical design industrial grade
Media	Three grades of media from gravel to zeolite
Backwash	Manual or automatic
Biological	Oil and biological applications
Aerobic Bacteria	Specific to application, liquid or dry
pH adjust	Dema injection pump with scott instrumentation
Air Injection System	1HP high flow air injection with ultra-fine pore dispersion
Tankage	Custom 2000 gallon tank system with 9000 sq. ft. biomass support
Carbon	Metal, BOD and odor control
Dimensions	90"l x 36"w x 90"h skid mounted
Controls	Automatic, controlled by floats and PLC
Pump	ITT Goulds
Housing	High pressure vertical design industrial grade
Media	Activated carbon
Ultra Filter	Soluble oil removal
Dimensions	Housing and pump installed on Cyclonator
Tank	Up to 2000 gallons
Flows	2.4-4.8 GPM
Pressure	Maximum pressure 200 PSI
Pump	Itt Goulds
Housing	Stainless Steel Housing
Membrane	Spiral Wound Thin Film Membrane
Controls	Flow and Pressure
Flush	Manual or automatic membrane cleaning loop
Reverse Osmosis	Salts, soaps and heavy metal removal
Dimensions	Housing and pump installed on Cyclonator
Tank	Up to 2000 gallons
Flows	2.4-4.8 GPM
Pressure	Maximum pressure 1000 PSI
Pump	ITT Goulds Stainless Steel RO pump or PD Pump
Housing	Codeline Housing
Membrane	Spiral Wound Thin Film Membrane
Controls	Flow and Pressure Automatic Start/Stop
Flush	Manual or automatic membrane cleaning loop