

Cyclonator-S

Cyclonator-S	
Dimensions	
Wash area	Sump Based Any Depth
Weight (dry)	900#
L X W X H	36"D x 72"W x 72"H
Holding tank	42" diameter, 84"H
Capacities	
Water In Process	180 gallons
Holding Tank	600 gallons
Pressure	60 PSI max filter pressure
Flow Filter Process	0-25 GPM
Electric	220V 1 PH 30A
Standard Filtration	
Oil Coalescing	6 cu ft (792 feet ²)
Oil Skimming	Stainless steel skimmer 1 GPH capacity
1st Bag Filter	none
2nd Bag Filter	none
Ozone	Optional single cell corona discharge
Settling	115 gallons with shear wall
Recirculation	Optional with ozone
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	Submersible cast iron sump pump with 2" solids capacity
Ozone	Optional Corona discharge single cell with 1 HP stainless steel injection pump
Filter Housings	Optional 65" custom fiberglass media tank 100 PSI
Operation	
On/Off	Automatic, float activated
Processing	Automatic, float activated
Wash Rack	
Dimensions	Sump based, no maximum or minimum size
Construction	Steel or Concrete
Capacity	Design driven
Walls	Application specific
Ramps	Not needed, can be designed to suit
Trough	Can be designed in with sump
Trough, Skid Steer	Can be designed in with sump
Filtration Options	
Inlet Prefilter	Available Option
Material	Polyethylene
Dimensions	50 gallons 19" x 32"
Filters	Four Each 25-200µ Cleanable Felt
Media	<i>Suspended solids reduction</i>
Dimensions	5 cu ft. 65" H
Controls	Manual Brass valves for fresh water back flush through backflush tank
Pump	1 HP Stainless Steel Media Pump
Housing	Fiberglass 125 PSI Vertical housing with custom base
Media	Multi-Layer with 2" slotted laterals and particulate removal to 3 micron available
Backwash	Custom Backwash tank to package backflush debris
Biological	<i>Oil and biological applications</i>
Aerobic Bacteria	<i>Specific to application, liquid or dry</i>
pH adjust	<i>Dema injection pump with scott instrumentation</i>
Air Injection System	<i>.5HP high flow air injection with ultra-fine pore dispersion</i>
Tankage	<i>Custom 600 gallon tank with 3000 sq. ft. biomass support</i>
Carbon	<i>Metal, BOD and odor control</i>
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	<i>Soluble oil removal</i>
Dimensions	Housing and pump installed on Cyclonator
Tank	600-gallon, 42" diameter 84"h
Flows	1.2 GPM
Pressure	Maximum pressure 200 PSI
Pump	Itt Goulds
Housing	Stainless steel Codeline housing
Membrane	Spiral Wound Thin Film Membrane
Controls	Flow and Pressure
Flush	Manual or automatic membrane cleaning loop
Reverse Osmosis	<i>Salts, soaps and heavy metal removal</i>
Dimensions	Housing and pump installed on Cyclonator
Tank	600-gallon, 42" diameter 84"h
Flows	1.2 GPM
Pressure	Maximum pressure 200 PSI
Pump	ITT Goulds Stainless Steel RO pump
Housing	Codeline Housing
Membrane	Spiral Wound Thin Film Membrane
Controls	Flow and Pressure Automatic Start/Stop
Flush	Manual Cleaning Loop