

EKOLIT 50 MF (12.5 gpm)



Applications:

- Four –six Self Serve Bays.
- Pressure washer & wash pads applications.
- All wash Cycles up to 100% reclaim (Friction or Touchless or both).

Features:

- Four Stage Filtration and Four Stage Propriety Degerming.
- Automatic backflushing of fine Filter after each cycle.
- Timers for multiple system/function controls.
- Integrated DAF (Dissolved Air Floatation) system for odor control.
- 30 minutes quarterly maintenance.
- Very compact size & small foot print.

Technical Product Data

Ekolite Model No.	50 MF
Gallons per minute	12.5
Dimensions	
Machine Only:	
Length	3'9"
Depth	2'2"
Height	5'9"
Allowance M/C left for maintenance	1'
Allowance M/C right for maintenance	1'
Weight (approx)Lbs.	225
Electrical	
Phases/Amps [1 or 3 phases]	3Phases/30A
# of High Voltage Electrodes	One
Degerming	
# of Water Stabilizers	One
# DAF Membranes	Two
Filtration	
# of Cyclone Filters	One
# of Fine Filter	One 1'
Pumps	
# of Pressure Pumps	One
# of Suction Pumps	One





Why Choose Freylit?

- Freylit has gained international experience from installations in over 35 countries, with 10,000 + reclaim and oil water separator systems installed during the last 25 years. Our major clients have included: Chevron, Exxon, Texaco, Shell, BP and Mobil.
- Does not use any corrosive ozone or dangerous chemicals to degerm the water and is deemed a **“Green Build Application”**.
- Odor control using Freylit’s propriety water stabilizer, unique voltage electrode & DA F (Dissolved Air Flotation) system including a 7,200 head diffused air membrane.
- Four stage dirt removal for easy system operation and long term simple maintenance.
- Automatic back flushing using Freylit’s fine filter.
- No changing of messy and/or expensive filters is needed daily, weekly, or even annually.
- Outdoor units available.
- Small footprint system.



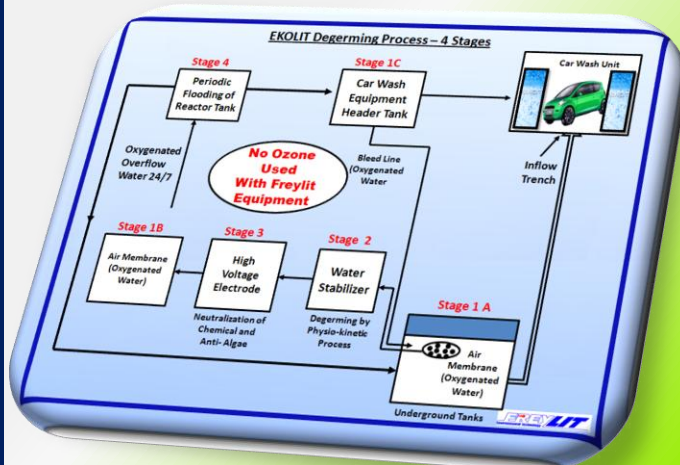
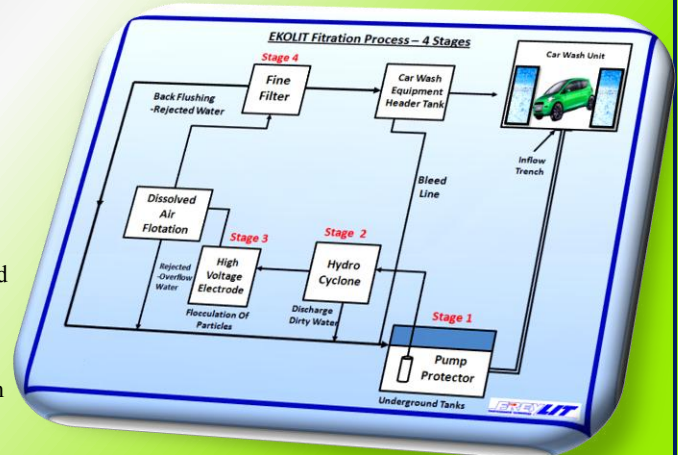
Process Description

● Dissolved Air Flotation System

The flotation membrane assists flakes created by the high voltage electrode to be lifted to the tank surface. This dirt layer is drained periodically back to the silt chamber. A secondary usage of the membrane is to oxygenate the water to prevent the growth of foul smelling bacteria.

● Freylit Water Stabilizer

The water stabilizer works by a Physio-kinetic process & doesn’t need electricity, chemicals or maintenance. The water passes through a double walled cylinder, which contains a high - energetic medium. As the water flows through the Water Stabilizer, the water molecules are “excited”, activating the oxygen contained in the water, assisting in preventing the development of germs and bacteria.



● Hydro-Cyclone

Large suspended solids are separated and returned to the silt chambers.

● High Voltage Electrode

The recycling water passes through the a pipe equipped with a high voltage electrode which causes flocculation of the suspended solids, plus killing bacteria and preventing the growth of algae.

● Automatic back-flushing of the Fine Filter

Programmed to proceed at the end of each wash cycle automatically via a signal sent by the flow switch to the micro controller. Recycled water and compressed air clean the fine filter, discharging the dirty water back to the underground tank.