

## EKOLIT 100 MF (25 gpm)



### Applications:

- Up to ten Self Serve Bays, or one low usage Roll Over Automatic.
- All wash Cycles up to 100% reclaim (Friction or Touchless or both)
- Outdoor model Available

### Features:

- Four Stage Filtration and Four Stage Propriety Degerming.
- Automatic back flushing of fine Filter after each cycle.
- Microprocessor for multi system/function controls.
- Integrated DAF (Dissolved Air Floatation) system for odor control.
- One hour quarterly maintenance.

## Technical Product Data

<b>Ekolite Model No.</b>	100 MF
Gallons per minute	25
<b>Dimensions</b>	
Machine Only:	
Length	4'10"
Depth	2'8"
Height	5'9"
Allowance M/C left for maintenance	1'
Allowance M/C right for maintenance	1'
<b>Weight (approx)Lbs.</b>	350
<b>Electrical</b>	
Phases/Amps [1 or 3 phases]	3Phases/35A
# of High Voltage Electrodes	One
<b>Degerming</b>	
# of Water Stabilizers	One
# DAF Membranes	Two-Three
<b>Filtration</b>	
# of Cyclone Filters	One
# of Fine Filter	One 1'
<b>Pumps</b>	
# 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 needed daily, weekly, or even annually.
- Outdoor units available.
- Small footprint system.



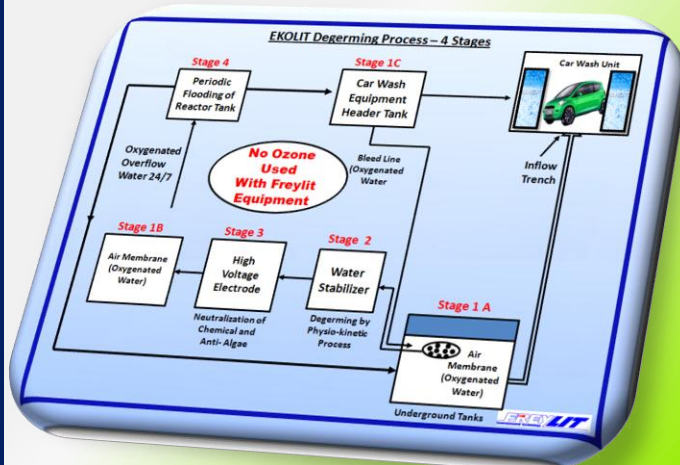
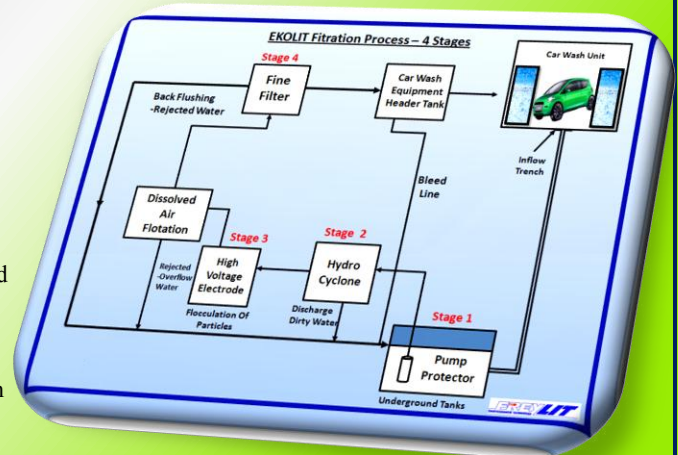
## Process Description

### ● 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.