FREYLIT Environmental technology USA Inc.

The most efficient water treatment systems

EKOLIT 100 X (25 gpm) & EKOLIT 200 X (50 GPM)

Applications:

- OUTDOOR Reclaim system built in weather proof cabinet
- Up to Six Self Serve Bays plus 2 to 3 Roll Over Automatics with moderate water needs and/or small tunnel
- All wash Cycles up to 100% reclaim (Friction or Touchless or both)

Features:

- Four Stage Filtration and Four Stage Propriety Degerming.
- Automatic back flushing of fine Filter after each cycle.
- Microprocessor/timer for multiple system/function controls
- Integrated DAF (Dissolved Air Floatation) system for Odor Control.
- Small footprint
- One hour quarterly maintenance

Technical Product Data

Ekolit Model No.	100 X	200 X
Gallons per minute	25	50
Dimentions		
Machine Only:		
Length	4'9"	4'9"
Depth	2'7"	2'7"
Height	5'	5'
Allowance M/C left for maintena	1'-2'	1'-2'
Allowance M/C right for mainten	0	0
Weight (approx)Lbs.	250	325
Electrical		
Phases/Amps [1 or 3 phases]	3'Phases/35A	3 Phases/40A
# of High Voltage Electrodes	One	One
Degerming		
# of Water Stabilizers	One	One
# DAF Membranes	Two	Two
Filtration		
# of Cyclone Filters	One	One
# of Fine Filter	One 1 1/4	One 1 1/4
Pumps		
# of Pressure Pumps	One	One
# of Suction Pumps	One	One

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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.

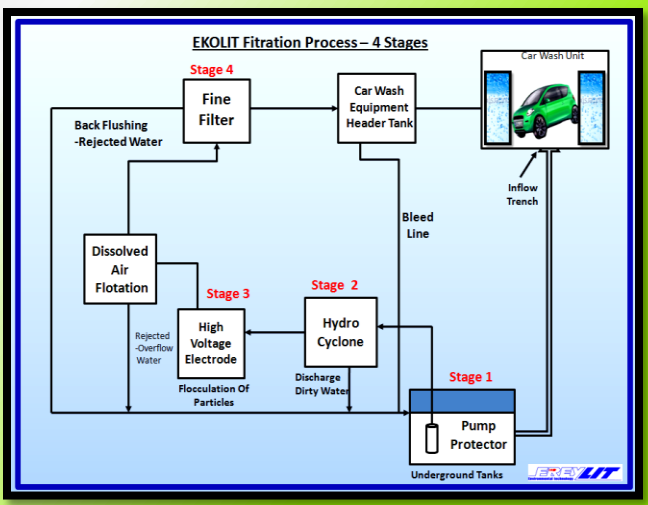
Process Description

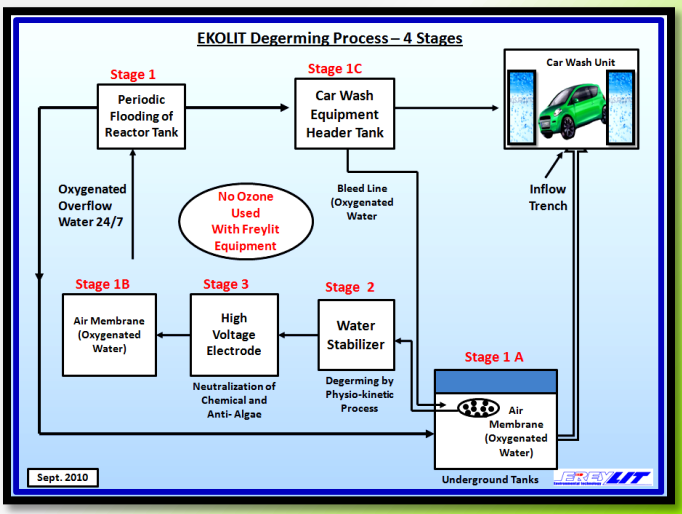
- **Dissolved Air Floatation System**

  The floatation 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.

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