

Ekolit 600 PM (150 gpm)



Applications:

- Three or four Roll Over Automatics , large Tunnel or combination including up to ten Self serve Bays.
- All wash Cycles up to 100% reclaim (Friction or Touchless or both)

Features:

- Five Stage Filtration and Four Stage Propriety Degerming.
- Automatic back flushing of fine Filter after each cycle.
- Microprocessor for multiple system/function controls.
- Integrated DAF (Dissolved Air Floatation) system for odor control.
- Back up sumps and delivery pumps for added security of performance.
- Two hour quarterly maintenance.
- No use of Chemicals, Ozone and no enzymes (Bugs)

Technical Product Data

Ekolit Model No.	600 PM
Gallons per minute	155
Dimensions	
Machine Only:	
Length	11'
Depth	2'10"
Height	6'
Allowance M/C left for piping	1'
Allowance M/C right, incl. Air Dome	3'
Weight (approx)Lbs.	850
Electrical	
Phases/Amps [1 or 3 phases]	3Phases/105A
# of High Voltage Electrodes	One
Degerming	
# of Water Stabilizers	Three
# DAF Membranes	Three-Four
Filtration	
# of Cyclone Filters	Six
# of Fine Filter	Three 2'
Pumps	
# of Pressure Pumps (1 1/2 -3 Hp)	Three
# of Suction Pumps (1 1/2 -2 Hp)	Three





Filtration and Degerming Processes

• Dissolved Air Flotation System

The floatation membranes 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 oxygenated 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

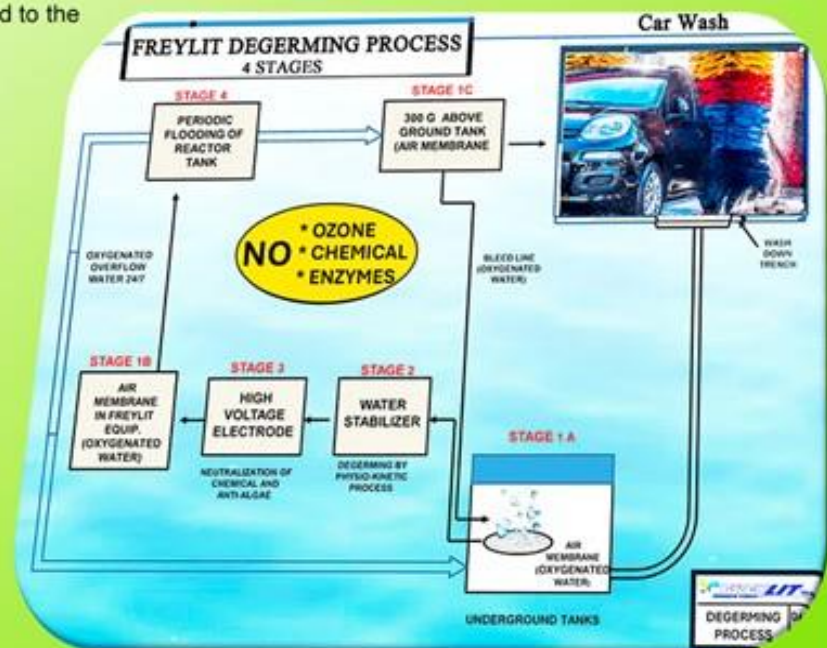
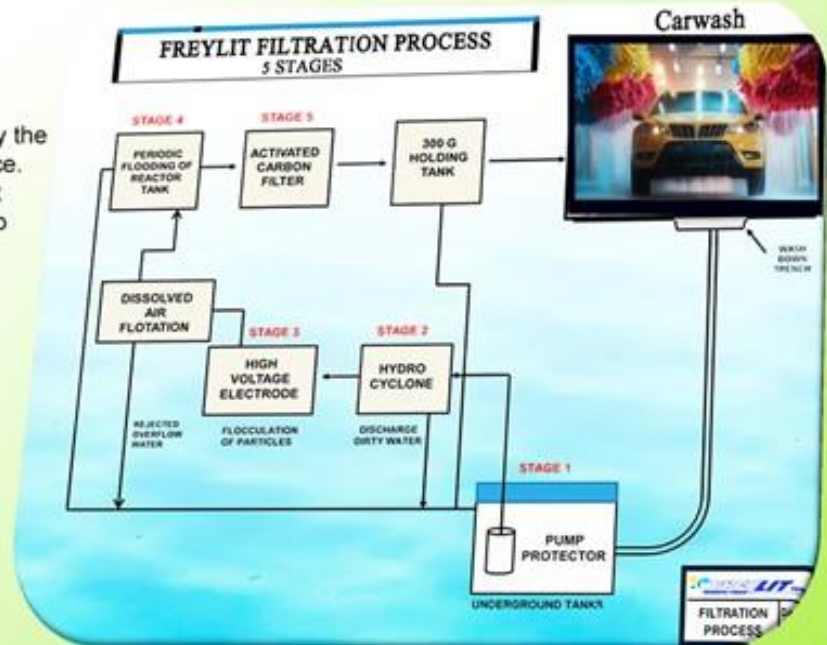
Large suspended solids are separated and returned to the underground silt chambers.

• High Voltage Electrode (*)

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

• Automatic back-flushing of the Fine Filter

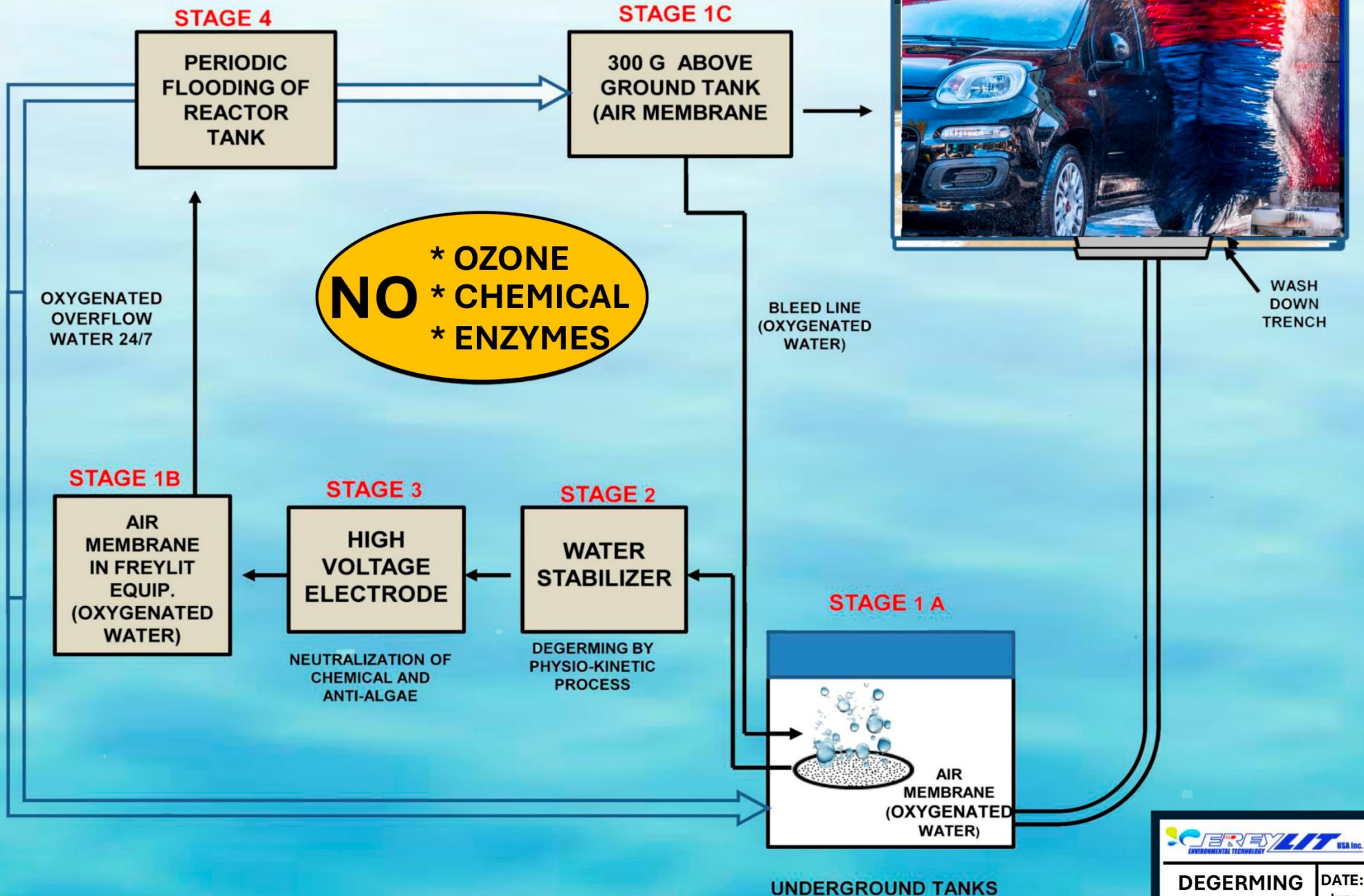
Programmed to proceed at the end of each wash cycle automatically via a signal sent by the pressure switch to the micro controller. Recycled water and compressed air clean the fine filter, discharging the dirty water back to the underground tank.



(*) Freylit proprietary equipment.

FREYLIT DEGERMING PROCESS

4 STAGES



FREYLIT FILTRATION PROCESS

5 STAGES

Carwash

