

Ekolit 400 PM (105 gpm)



Applications:

- Two or three Rollover Automatics, one Tunnel, or combination including up to ten Self Serve Bays.
- All wash Cycles up to 100% reclaim (Friction or Touch less or both).

Features:

- Five Stage Filtration and Four Stage Proprietary Degerming.
- Automatic back flushing of fine Filters after each cycle.
- Microprocessor for multi system/function controls.
- Integrated DAF (Dissolved Air Flootation) system for odor control.
- Back up sump pumps and delivery pumps for added security of performance.
- Upgradeable to EKOLIT 600 (155 gpm).
- Two hour quarterly maintenance.
- No use of Chemicals, Ozone and no enzymes (Bugs)

Technical Product Data

Ekolit Model No.	400 PM
Gallons per minute	105
Dimensions	
Machine Only:	
Length	9'
Depth	2'7 1/2"
Height	5'9"
Allowance M/C left for piping	1'
Allowance M/C right, incl. Air Dome	3'
Weight (approx)Lbs.	700
Electrical	
Phases/Amps [1 or 3 phases]	3Phases/80A
# of High Voltage Electrodes	One
Degerming	
# of Water Stabilizers	Two
# DAF Membranes	Three-Four
Filtration	
# of Cyclone Filters	Four
# of Fine Filter	Two 2'
Pumps	
# of Pressure Pumps (1 1/2 - 3 Hp)	Two
# of Suction Pumps (1 1/2 - 2 Hp)	Two





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

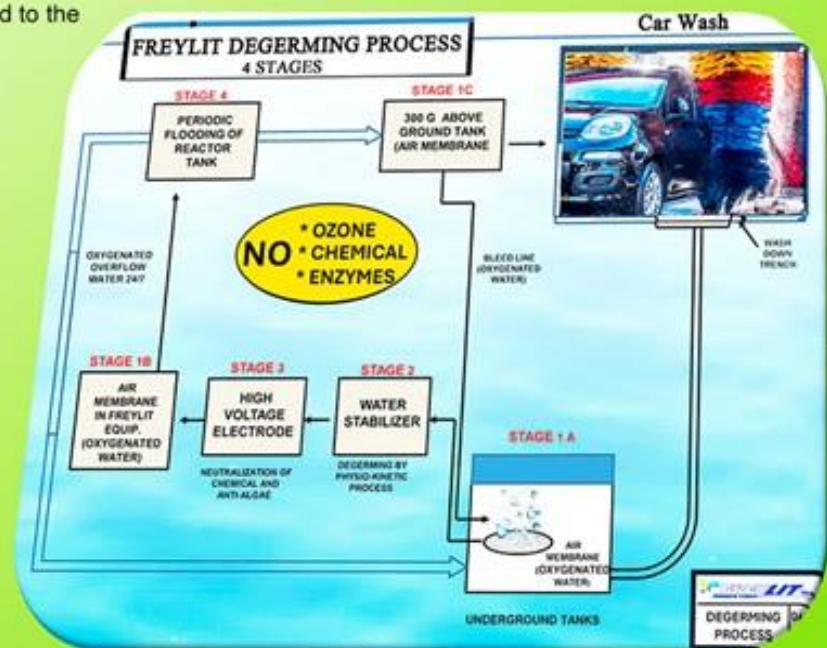
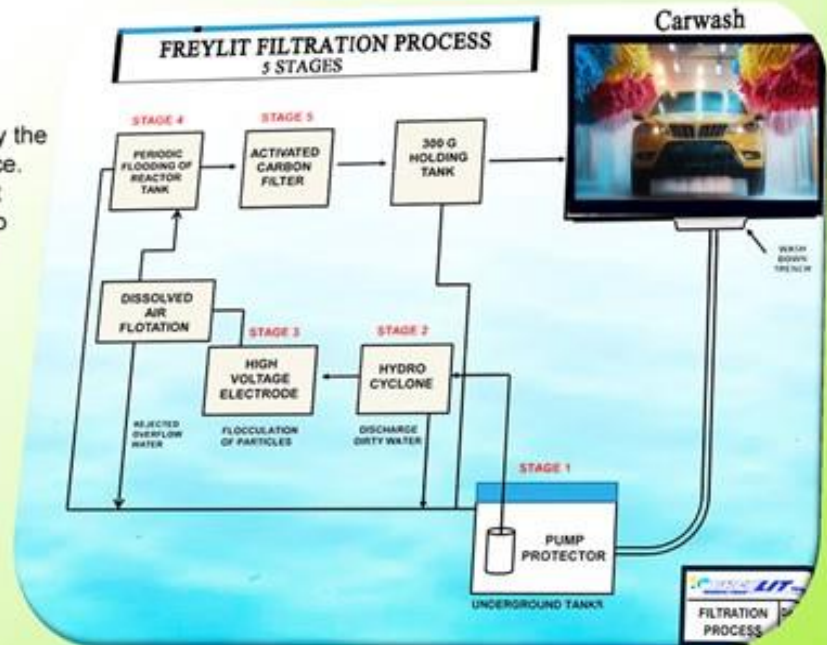
Large suspended solids are separated and returned to the underground silt chambers.

• 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

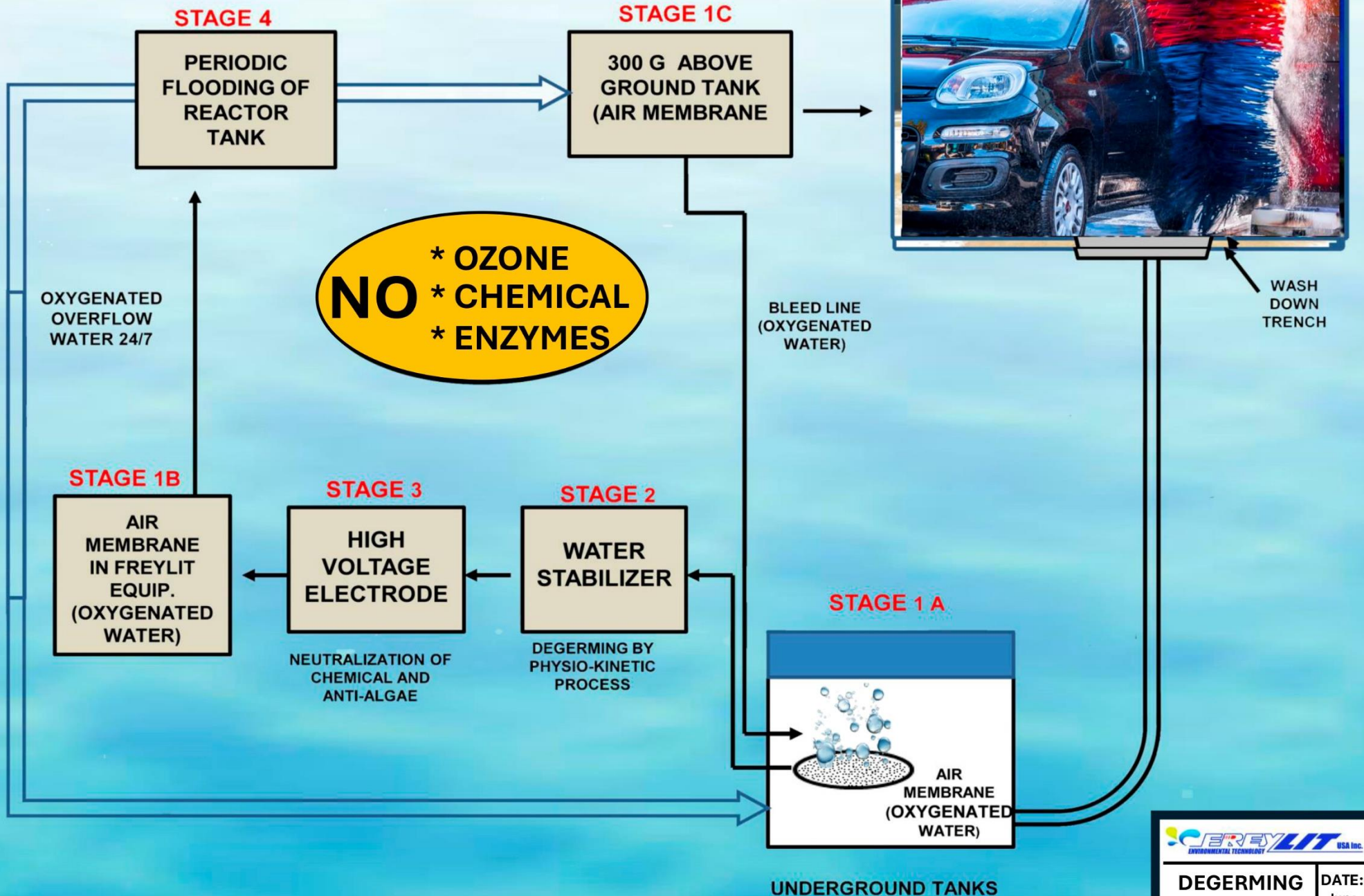
Programmed to proceed at the end of each wash cycle automatically via a signal sent by the pressure switch to the micro controller. Recycled water and compressed air clean the fine filter, discharging the dirty water back to the underground tank.



(*) Freylit proprietary equipment.

FREYLIT DEGERMING PROCESS

4 STAGES



FREYLIT FILTRATION PROCESS

5 STAGES

Carwash

