

EKOLIT 50 - PM Series (15 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 Proprietary Degerming.
- Automatic backflushing of fine Filter after each cycle.
- Microprocessor for multiple system/function controls.
- Integrated DAF (Dissolved Air Floatation) system for odor control.
- 30 minutes quarterly maintenance.
- Very compact size & small foot print.
- All polypropylene

Technical Product Data

Ekolit Model No.	50 PM
Gallon per minute	15
Dimentions	
Machine Only:	
Lenght	4'
Depth	2'2
Height	6'
Allowance M/C right for maintenance	1'
Allowance M/C left for maintenance	1'
Weight Dry 210/Wet 390 lbs	225
Electrical	
Phases/ Amps [single or three phase]	30 A (3'Phase)
# of High Voltage Electrodes	One
Degerming	
# of Water Stabilizers	One
# DAF Membranes	Three
Filtration	
# of Cyclone Filters	One
# of Fine Filters	One 1'
Pumps	
# of Pressure Pumps (1 1/2 - 2 Hp)	One
# of Suction Pumps (1 1/2 - 2 Hp)	One





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

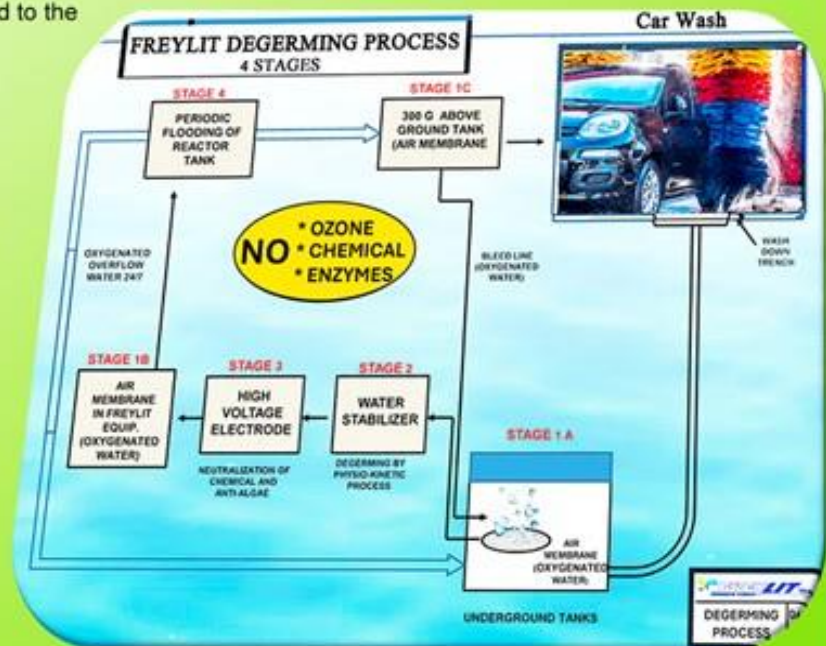
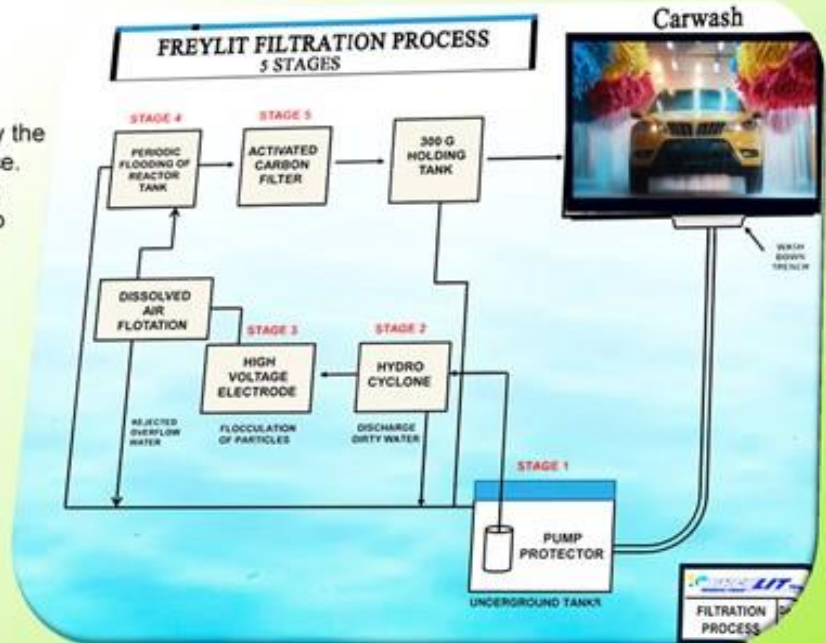
Large suspended solids are separated and returned to the underground silt chambers.

• 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

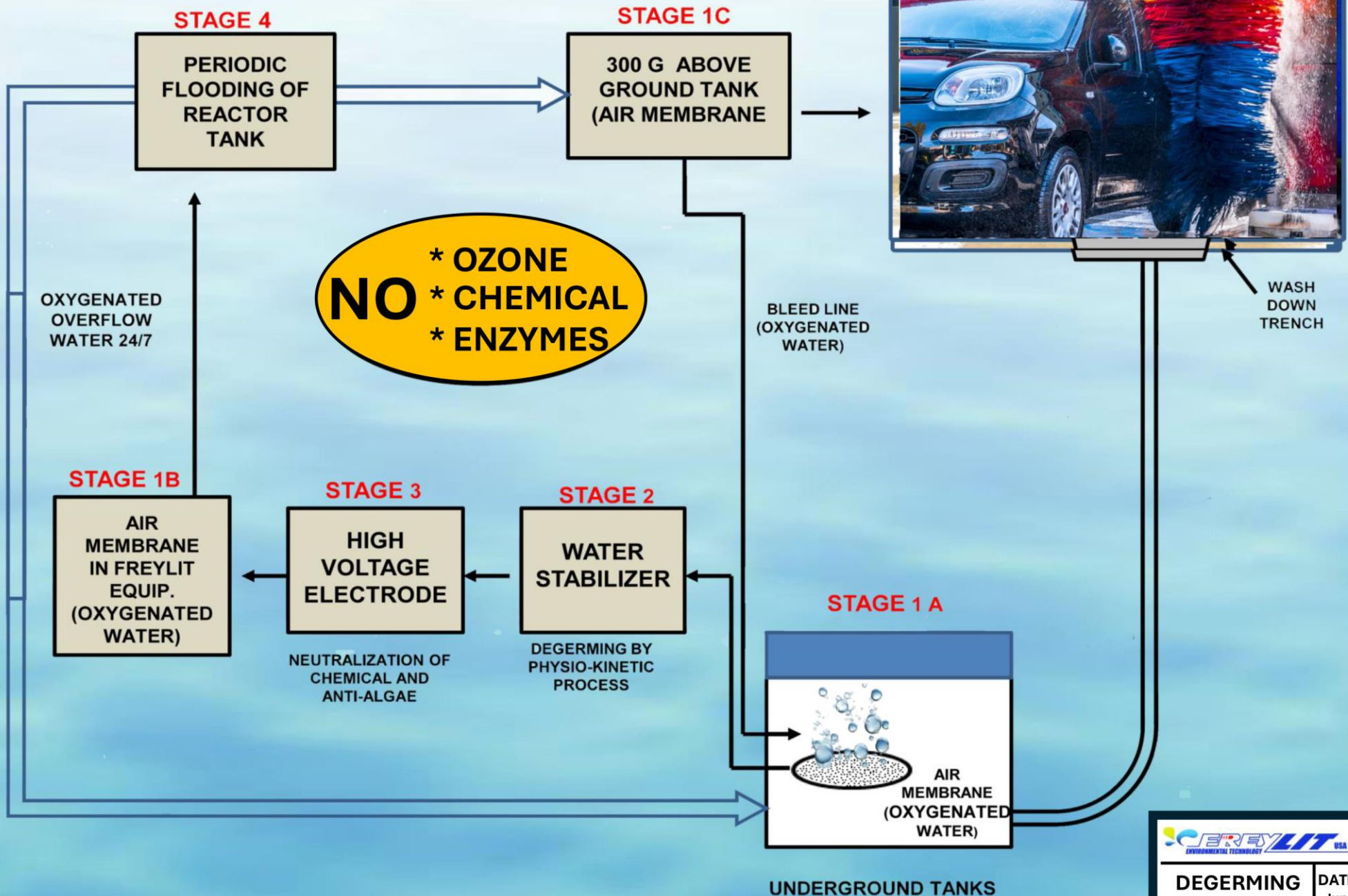
Programmed to proceed at the end of each wash cycle automatically via a signal sent by the pressure switch to the micro controller. Recycled water and compressed air clean the fine filter, discharging the dirty water back to the underground tank.



(*) Freylit proprietary equipment.

FREYLIT DEGERMING PROCESS

4 STAGES



FREYLIT FILTRATION PROCESS

5 STAGES

Carwash

