

PURWATER™ WATER RECOVERY SYSTEM

100-5M080 Series (30GPM)

Features:

- VFD Driven Continuous Duty Motor
- Self Priming Pump
- High Efficiency Cyclonic Separators
- 5 Micron Water Output
- 8 Gram Ozone
- Stainless Steel Frame
- Control Signal Activation
- Automatic Fresh Water Bypass
- HMI - User Friendly Text Screen for Instant Access to System Status
- Self Flushing Underflow Orifice
- Motorized Ball Valve Monitoring
- Breathers - Keeps Components Cool and Increases Life
- ETL Approved



Water Requirements

PVC	(2) 2" PVC Suction lines, one for use and one for spare, to come up from settling tanks to the right of the PurWater reclaim unit with 2" PVC full flapper check valves at end, 2" unions above water line. (1) 2" line out to the wash manifold. (1) 1" Line to return to the first chamber of the second reclaim tank for ozone. (1) 1" freshwater line (40PSI) to the right of the system four feet up from the bottom of the floor. (1) 1" Line to return to the catch basin or first incoming reclaim tank for the underflow of the PurWater succession filters.
Reclaim Maximum Output	30GPM
Reclaim Pump	3HP - Amp draw at (208/230 Volt = 7.6) / 3HP - Amp draw at (460/480 Volt = 3.8)
Pump Voltage	208-230 Volts or 460-480 Volts (depending on site specifications)
Dimensions	48" Wide X 84" Tall X 16" Deep
Net Weight	700 Lbs. (including crate)

Electrical Requirements

Reclaim Pump and VFD	(1) 208/230 Volt 20 Amp or 460/480 Volt 20 Amp Three phase circuits to be hard wired 5 feet up from the floor to the right of the system.
Control Voltage for (PLC) Logic Controller and Ozone	(1) 120 Volt 20 Amp Single phase
Conduit	(1) 1" Conduit from reclaim equipment control box to front of the last tank (for floats). (1) ½" Conduit from each carwash equipment control box to send a control voltage signal to PurWaters repressurization power box. Control wiring from carwash controller (110V is default, 110vac, 24vac and 24vdc available) to be wired into control box on frame.
Tank Configuration Recommendation	Double tank configuration (oil/water separator may be required - please check with your local municipality)