

PURWATER™ WATER RECOVERY SYSTEM

PW-FS5AS Series (100GPM)

Features:

- Self Priming Pump
- High Efficiency Cyclonic Separator
- 70 Micron Water Output
- Air Sparger
- Stainless Steel Frame
- Control Signal Activation
- 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 recirculation 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 second chamber of the first reclaim tank for air sparger. (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	100 GPM
Reclaim Pump	5 HP - Amp draw at (208/230 Volt = 12) / 5 HP - Amp draw at (460/480 Volt = 6)
Pump Voltage	208-230 Volts or 460-480 Volts (depending on site specifications)
Dimensions	48" Wide X 54" Tall X 21" Deep
Net Weight	400 Lbs. (including crate)

Electrical Requirements

Reclaim Pump and VFD	(1) 208/230 Volt 30 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) .5" 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 avail.) 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)