

ProPH-Silver Automated Neutralization System

For Silver Based Plates

Features/Benefits

- ❖ *On-Board pH sensor designed for CTP developer constantly measures pH of effluent in tank - minimizes usage of neutralizer.*
- ❖ *Digital readout of pH provides constant monitoring of effluent pH.*
- ❖ *Heavy-duty output bellows pump provides enough pressure to push the neutralized effluent through the filter, silver recovery and up 8-10' if necessary.*
- ❖ *Divert Valve allows user to bypass neutralization to pump to drain when rinsing processor tanks.*
- ❖ *Proportional pH controller automatically doses only the neutralizer necessary to reach set-point, minimizing overshoot.*
- ❖ *On-board low-profile 17 gal. tank rolls under processor tank, reducing footprint.*
- ❖ *Optimized for the Agfa LithoStar CTP and G & J Raptor-Silver and Mitsubishi processors, allows quick and easy installation and use.*

Processing computer-to-plate media requires a very high pH developer and unlike silver-based film developing, the process does not utilize a low pH fixer to neutralize the processor effluent. Many municipalities discourage high pH effluents and recognize neutralization as an acceptable approach to reducing the problem. In addition, silver-based CTP media has an undesirable silver content in the effluent. Again, unlike film processing, the silver cannot be removed using an electrolytic silver recovery unit. Most of the silver present is particulate with a minimum amount of dissolved or "ionic".

The ProPH is designed to automatically neutralize CTP processor effluent to a user determined pH. When the pH setpoint is reached the bellows pump will initiate, pumping neutralized effluent through a high capacity particulate filter where the particulate silver is removed. Procam Controls offers an optional Polishing Filter Kit for removing the very small colloidal silver particulate. An ionic silver absorption media cartridge is also available to remove the small amount of ionic silver. Three models are now available for different volumes. The LSN-SR is for the LithoStar LP150 applications and the ProPH-Silver is for the LP82 and the G&J raptor 85/68 Silver processors. The PropH-M is for Mitsubishi Processors. The PropH-T/P is designed for thermal and photopolymer non-silver based plates.



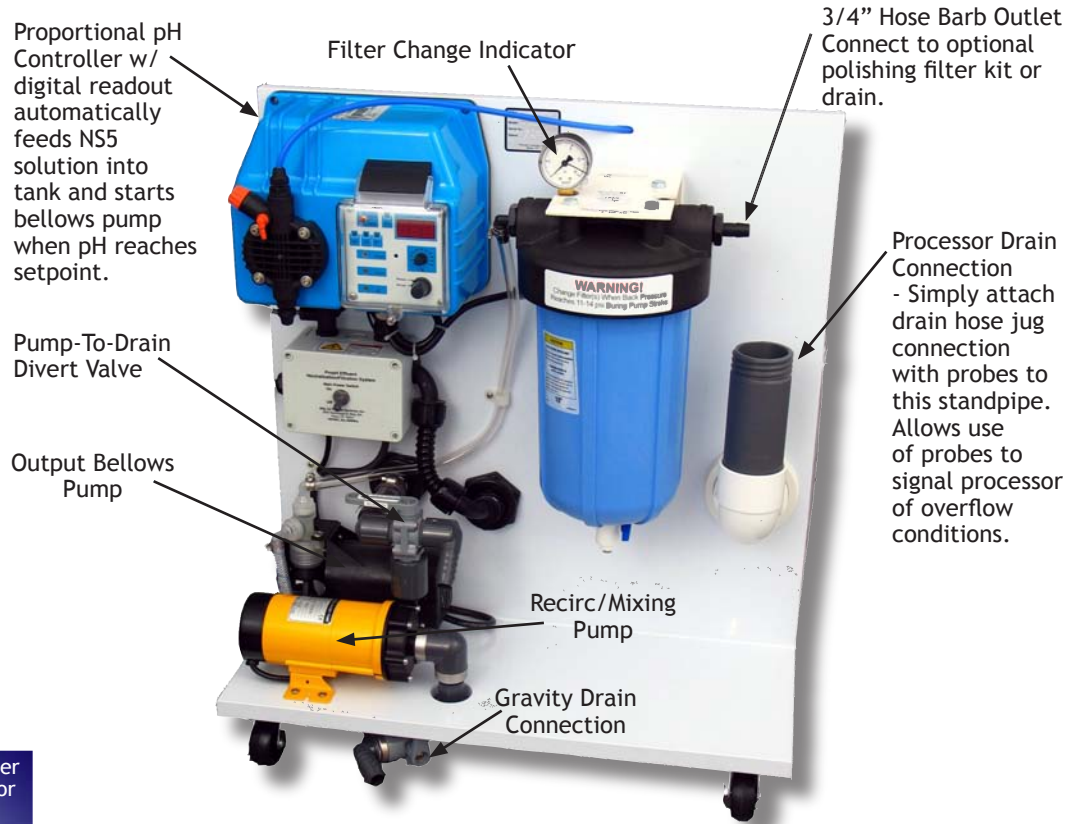
Additional Information

The ProPH is simple to install and use. Simply attach the plastic cap/probe assembly that is on the drain line from the processor to the threaded standpipe on the ProPH. Connect the 3/4" hose barb on the outlet of the filter housing to our optional polishing filter kit or drain. (The combination of the high capacity, dual gradient filter cartridge, the polishing filter kit and the HM420 adsorption cartridges will effectively remove both the particulate silver and the trace ionic silver in the effluent). Connect the outlet of the polishing filters to the drain. Next, remove the cap from the NS5 and install the pick-up tube assembly, attaching the other end to the dosing pump. Plug the unit into a 115v electrical outlet and turn on the power switch. Installation is basically complete. The unit will now automatically turn on when solution lifts the float switch inside the tank and start the mixing and neutralization. When the pH reaches setpoint the bellows pump will actuate and start pumping solution out of the tank at the rate of 480 ml/min. The bellows pump is capable of pumping the treated effluent up 8-10' and the flow rate is adjustable.

Consumables:

- NS5 Neutralization Solution - 5 gal. Cubitainer
- PCG-251BB-98 High Capacity Dual Gradient Sediment Filter

- ❖ For the LP150 Processor use Model LSN-SR, 24 gal. tank.
- ❖ For the smaller LP82 or G&J Raptor 85/68 Silver Processor and Heidelberg Pro 85/68 use Model PropH-Silver 17 gal. tank.
- ❖ For the Mitsubishi 880 Processors use Model PropH-M.



Specifications:

- Power: 115 volt 3 amp 60hz
- Dimensions: 23.5" x 23.5" 10" deep outside of processor 23.5" combined with tank under processor
- Weight: 90 lbs. shipping weight
- Tank Capacity: 17 gallons
- Connections: 3/4" hose barb outlet, 1" hose barb safety overflow, buttress thread processor connection