

## Solvent Purification System Utilities & Installation Information

### Utilities

- **Vacuum Pump Located On Bottom Right Platform Attached to Frame (inside or outside)**
  - Electrical Outlet: 115 volt, 60 Hertz, 15 Amp (Pump - 8ft line cord)
  - Exhaust Connection on Pump: 1/4" ID serrated hose barb connection  
**User to supply** 1/4" ID diameter flexible hose if pump exhaust will be diverted
  - Option: Digital pump controller - If included with the system it will plug into the wall outlet & the vacuum pump will plug into the controller. Typically Attached to frame at top right location.
- **Inert Gas Source & Regulator (User Supplied)**
  - UHP Argon tank or line with low pressure regulator for a delivery pressure range of 0-30PSI. System operation range is 8-12 PSI. Regulators with a range over 60 PSI not recommended.
    - 2 stage regulators work best but single stage is acceptable
      - Examples: Two stage: VWR Cat # 55850-622
      - Single stage: VWR Cat # 55850-600 or 55850-474
- **ESD Grounding**
  - Facilities will need to connect the system to a good earth ground. System comes with wire & clamp

### Solvents (User Supplied)

- **See Preferred Solvent List For Recommendations**
  - Please note references to stabilized & unstabilized solvents
  - Solvents must be ordered by the user & on site before the installation date. Recommend 16 liters for each (minimum of 8 liters). Required for installation and training procedure.

### Space Requirements

- **Standard Floor Model Design**
  - PPT SP systems are assembled within a stainless steel frame with standard dimensions for each system based on the number of solvent slots.
  - Space outside of frame should be considered for the following
    - Argon Tank set up to left of system standard. Typical 13" minimum width allowance **If the tank will be located in different spot specify distance for longer argon line.**
    - Some models will have the vacuum pump platform located outside of the frame width depending on space available on inside of frame next to solvent storage cabinet. Standard location is the lower right hand side within frame. Will add 8.5" to width for some models if mounted on outside right of frame.
- **Custom Designs** (all dimensions & utility requirements will be confirmed prior to quotation)
  - Systems for hood installations will include all specifications in the quotation.
  - Systems for bench top installations will include all specifications in the quotation.
- **NOTE: Pictures of standard floor models and hood installation designs can be found on our web site.**
- **IMPORTANT: Please check to confirm system dimensions are not too large for route to lab.**