

Specialty Plastics and Fabrication has a long history of designing and manufacturing of chemical process hoods. Exhausted manual process hoods offer an economical and efficient process tool for R&D and limited volume production.

Integrated process controls are designed to give engineering the flexibility needed to tune and perfect a process. Operator controls are easy to program and provide visual and audible signals for end of process. The process deck and work area can be kept clean with the manual hand sprayer.

Safety is a paramount concern when dealing with process chemicals. Each manual hood is equipped with back draft and lip exhaust on all process baths. Exhaust face velocities are enhanced by extending the side panels out to the front of the process hood. This feature increases exhaust efficiency and limits disruption of the exhaust air flow. All manual hoods are designed with top and back exhaust connections to provide flexibility for facilities hook up.

Exhaust transitions, chemical delivery, chemical carboys, aspirators for high concentration chemistry and spill containment are available options for your manual process hood.

Specialty Plastics and Fabrication expert design staff is ready to take your process requirements and design a cost effective manual process hood for you.



### Features:

- 2 KOH Chemical Baths
- 2 Quick Dump Rinsers
- DI & Nitrogen hand-spray
- Multiple Exhaust Connections
- Touch Screen Control
- Safety Face Shield
- Wafer cassette sizes
  - Dual 63 mm
  - Dual 90 mm
  - Dual 110 mm
  - Dual 160 mm
  - Dual 200 mm
  - Single 300 mm

- Chemical Baths:
  - Potassium Hydroxide (KOH)
  - Bath volume: 16 gallons
  - 3 KW heaters
  - Bath material options:
    - Stainless steel
    - Quartz
- Touch Screen Control w/
  - Temperature monitor
  - Programmable cycle time
- Piping & Fitting material:
  - Polyvinylidene fluoride (PVDF)
  - Natural Polypro (NPP)
  - Perfluoroalkoxy (PFA)

### System Specifications:

- Quick Dump Rinsers (QDRs)
  - QDR material options:
    - Natural polypro (NPP)
    - White polypro (WPP)
    - Polyvinylidene fluoride (PVDF)
  - QDR Volume: 12 gallons
  - Programmable Features:
    - Fill Time
    - Drain Time
    - Number of Cycles
- High temperature drain lock-out
- Hood material options:
  - WPP, PVDF, FM4910 PP
- Overall dimensions:
  - Length: 60"
  - Width: 36"
  - Height: 70.5"