

# Hamatech HMP 900 Chemical Refilling

## Staff or Trained Personnel ONLY

### System Overview

The Hamatech HMP 900 uses nitrogen pressure to push the chemicals to the spray-processing units. The tanks are under pressure constantly once initialization is completed. The red LED on the right front panel indicates when the pressure is ON and the chemical drawer is LOCKED.



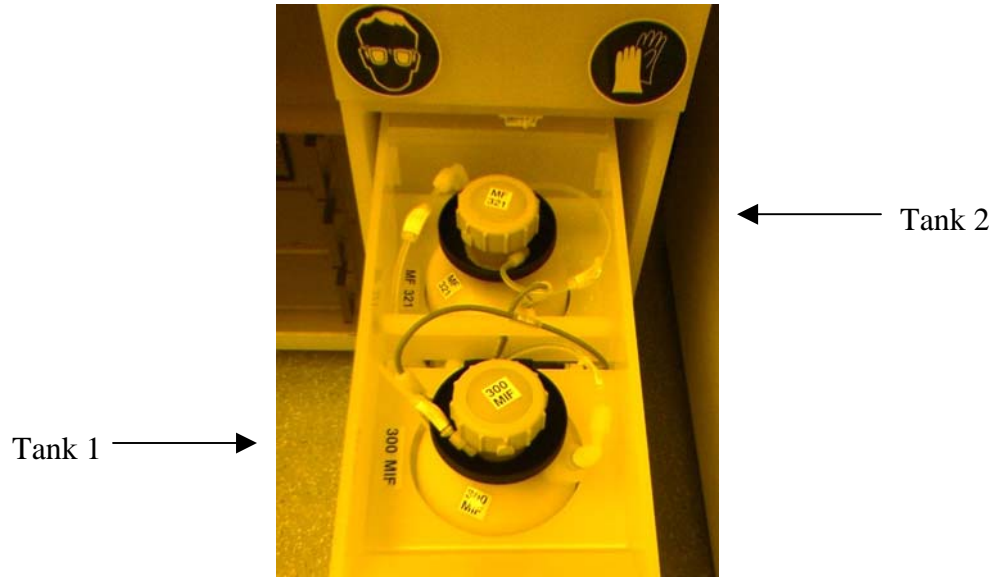
← Tank Locked  
When LED On



When the chemical level is low, a sensor signals the tool and an error message is displayed, such as “Handfill tank 1 minimum”. The process will complete normally, but the tool will not begin a new cycle until the tank is refilled.

## Refilling Procedure

To begin refilling, press <F5> to relieve the chemical tank pressurization (only if tool is ON). When the LED goes out, the drawer will unlock. Pull the drawer open far enough to reach the empty tank. Tank 1 is closest to the front of the tool, and Tank 2 is toward the rear.

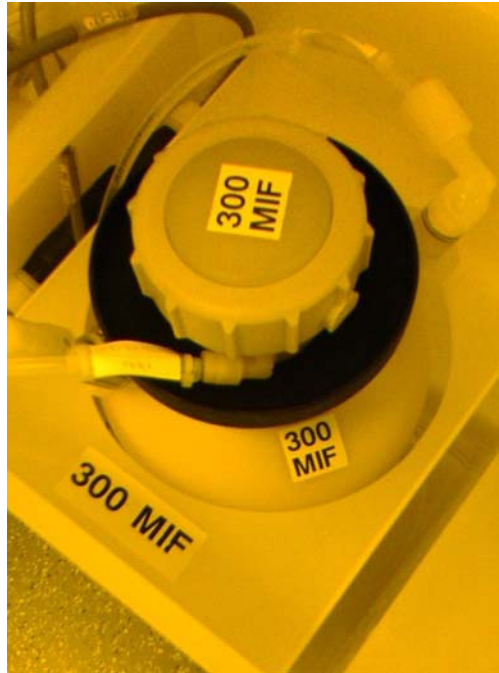


Open the tank by pressing down on the center plug and turning the locking ring CCW until loose. Spin the ring all the way off and place the ring and plug aside.



**NOTE:** From this point on, protective gloves and a face shield should be worn until refilling is completed!

Open the top drawer and remove the funnel. Place the funnel into the tank opening. CAREFULLY note the type of chemical used in the tank you are refilling; the plug, tank, and drawer markings should all match; i.e. 300MIF.

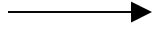


Double and *triple* check the chemical bottle you will use for refilling and make *absolutely certain* that it is the same chemical listed on the empty tank. Removing and cleaning out the wrong chemical is a tedious process that you will not enjoy.

Pour the chemical slowly and carefully into the funnel, making sure not to overflow it. The tank collar can accommodate a small amount of overflow, but only a small amount. Any significant spillage into the drawer will halt the system until it is cleaned out, which is another tedious process.

Empty the entire bottle into the tank only if the “tank minimum” message is displayed. Cap the bottle and place it back into the rubber bucket (you *are* using one, aren't you?). Remove the funnel and temporarily place it in the spray process chamber. Place the plug and ring back on the chemical tank and tighten the ring, reversing the procedure above. Close the drawer.

Water Sprayer



Water Pressure Button

Rinse the funnel using the water spray gun next to the chamber door. If the tool is off you will have to hold the pressurizing button below the gun to flow water. Return the funnel to the top drawer and close the drawer.

Press <F5> to restore the chemical tank pressurization, and then press <RETURN> to clear the error message on the display (only if tool is ON).

## Button Functions

- F1** Help Screen
- F2** Diagnostics
- F3** Temperature Status
- F4** Open / Close Door
- F5** Chemical Tank Pressure On / Off
- F6** Variable Step Time
- F7** OS Version
- F8** Escape

- Start** Start process
- Stop** Abort process
- Return** Acknowledge errors / continue