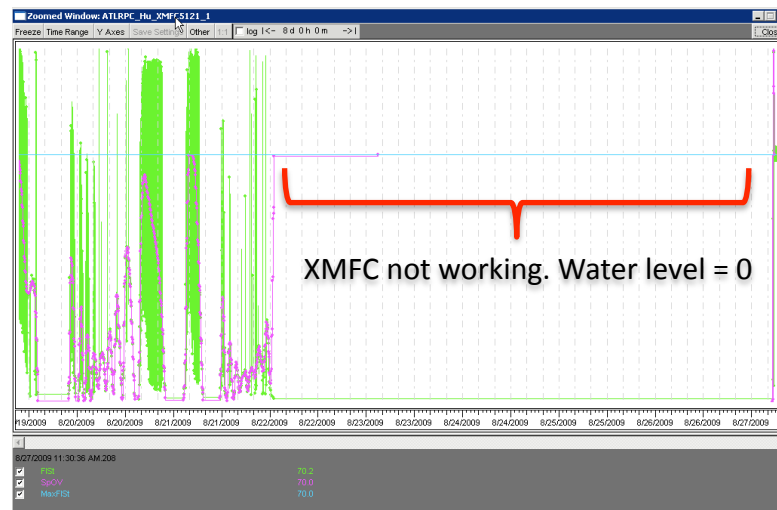


How to Clean the MFC for water in the RPC Humidifier Rack

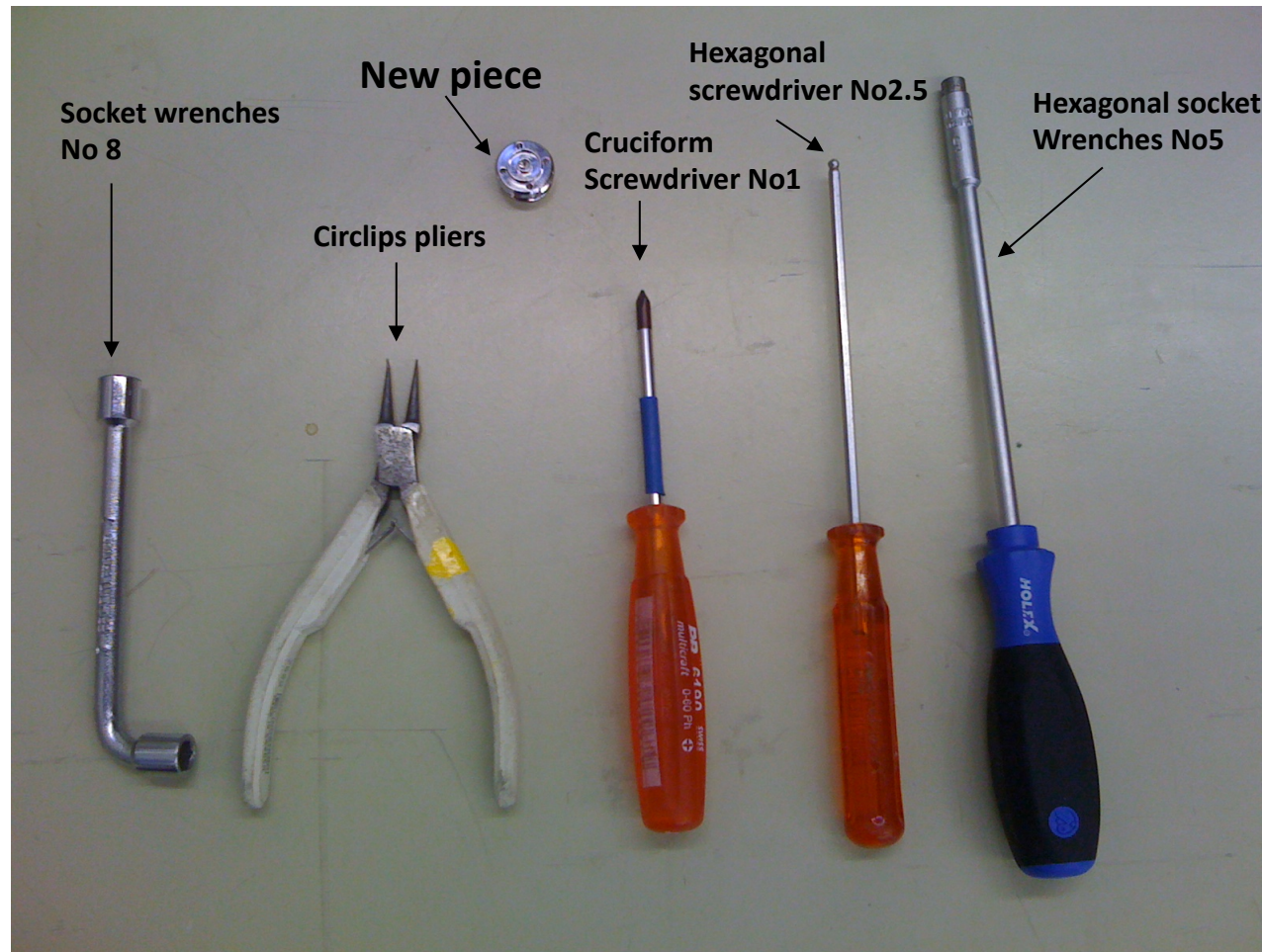
- You will need to perform this operation when the water amount injected in the gas mixture fluctuates out of specifications or drops to 0.

Example: ATLAS RPC Humidifier XMFC 5121 trend for 10 days



How to Clean the MFC for water

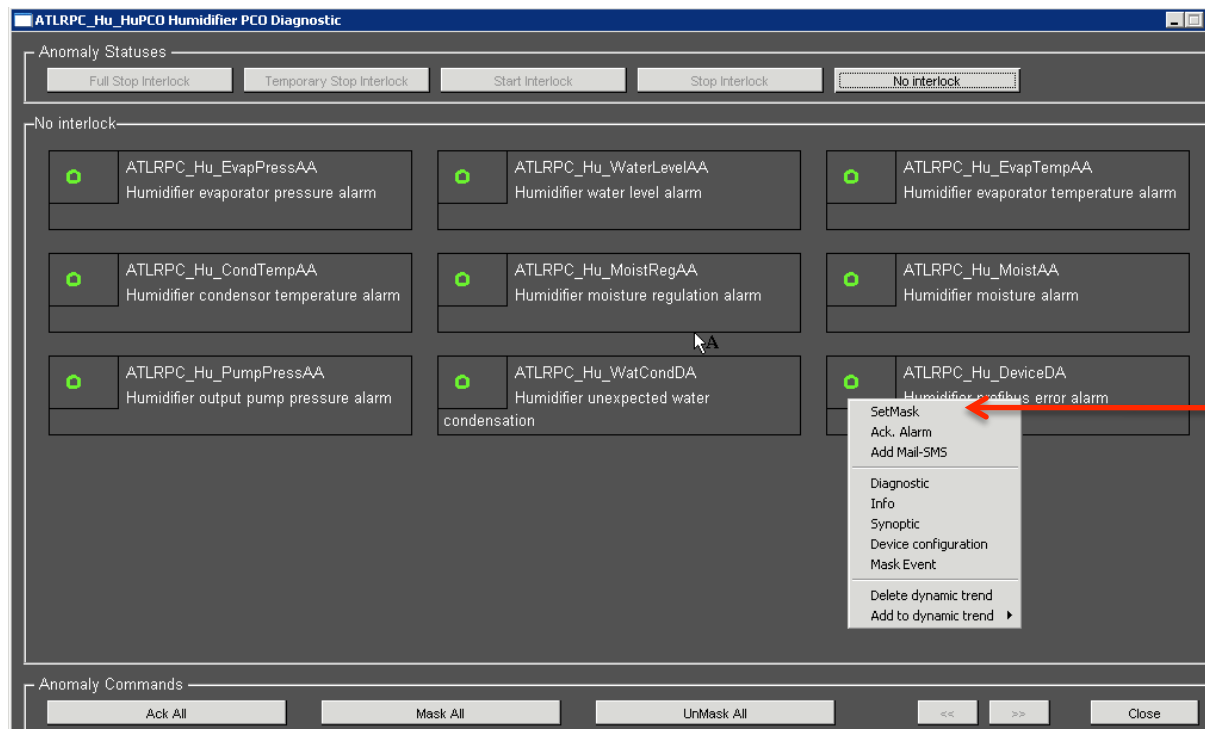
Tools Needed



How to Clean the MFC for water

Step 1

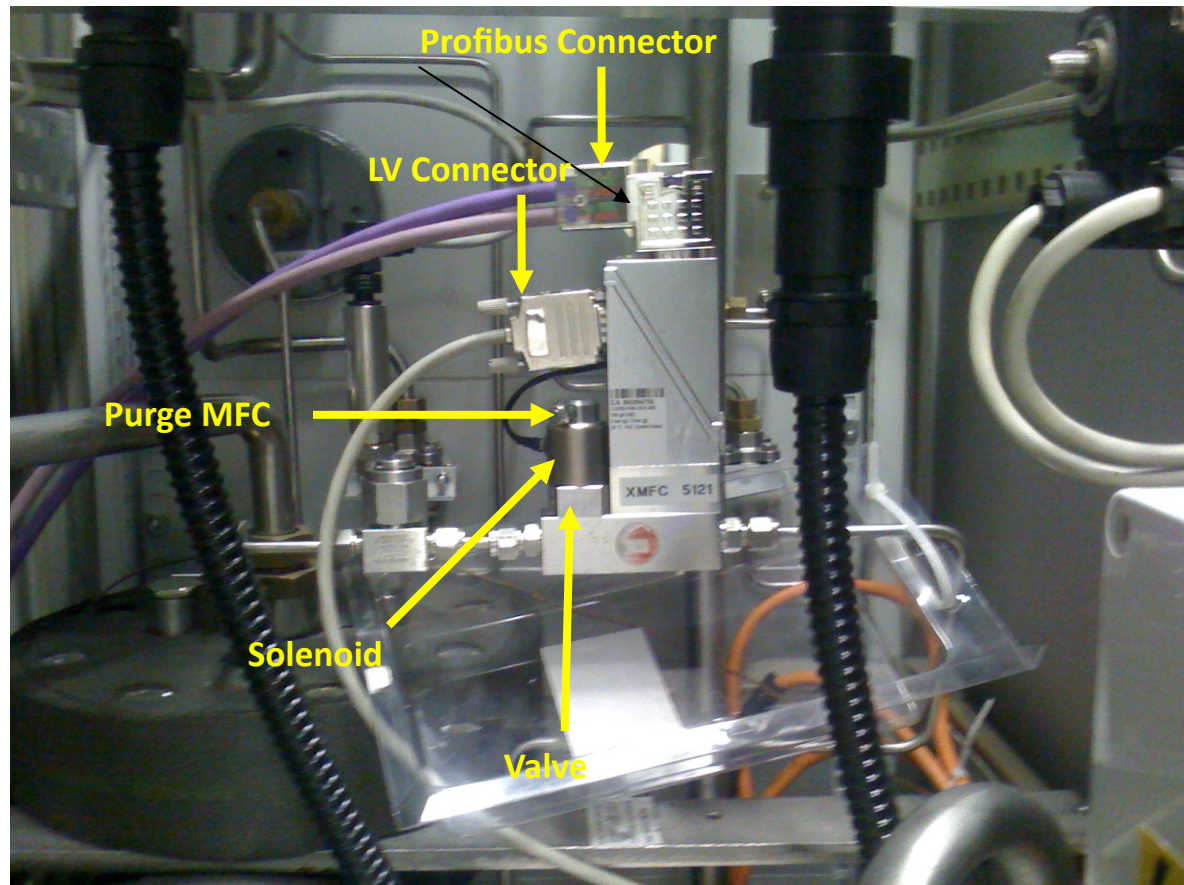
- In PVSS:
 - Mask profibus alarm in Humidifier Module
 - Stop the Humidifier (and check if pump has stopped)



How to Clean the MFC for water

Step 2

1. Disconnect the Profibus and LV connectors.
Use the cruciform screwdriver
2. Dismount valve (solenoid).
Use the cruciform screwdriver
3. Dismount valve (4 screws).
Use the hexagonal screwdriver No2.5
4. Dismount orifice.
Use the circlips pliers
5. Replace orifice.
6. Remount all pieces.



How to Clean the MFC for water

Step 3

1. In PVSS: Open for a while the valve YC5104 and then close it.
2. Open the manual valve HV5111 and close again when the pressure (PT5106 or PI5106) is at least 100-150 mbar (not below).
3. Repeat steps 1 and 2 at least 3 times.
4. Purge MFC (screw on MFC). *Use the Socket wrenches No8*
5. In PVSS:
 - Set XMFC to max (wait until the first drop is coming).
 - Put back XMFC in automode.
 - Unmask Profibus alarm.
 - Monitor the performance for a while (XMFC trend).

RPC Humidifier Rack, front panel

