SMC Chiller Installation and Operation

TCH1/TCH2

Service Procedure
#XTS020
Revised: 11/30/23 JAD/AES

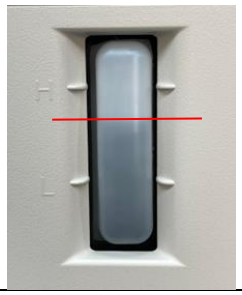
This Service Procedure details the installation and operation of the SMC Chiller. Please contact ANKOM Technology for further assistance.

1. Plug in the power cord at the back of the instrument.

2. Separately, prepare a 15% aqueous solution of ethylene glycol.

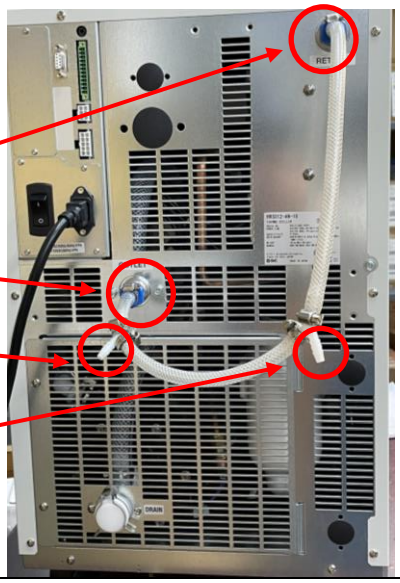
3. Add the mixture to the instrument by opening the lid for the circulating fluid fill port and pour it into the port.

   Fill to match the fill gauge level shown at right.



4. To hook up the XT instrument to the chiller, attach the XT **water supply** to the tubes connected to the **OUTLET** valve.

   Then, connect the XT **drain supply** tube to the tubes extended from the **RETURN** valve.

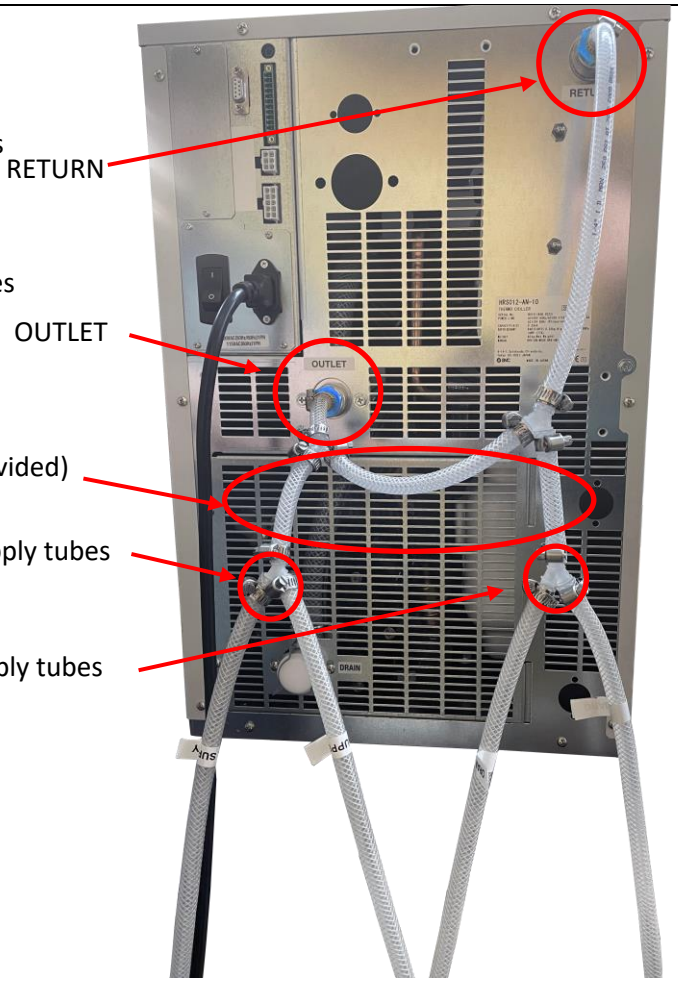


5. **TO HOOK UP TWO XT INSTRUMENTS ONLY**:

   To hook up two XT instruments to the chiller, use the Y Kit provided with the chiller to attach XT #1's water and drain supply tubes to the tubes connected to the **OUTLET** valve.

   Then, connect XT #2's water and drain supply tubes to the tubes extended from the **RETURN** valve.

Y Kit



6. Turn on the instrument by flipping the power switch on the back panel of the instrument.

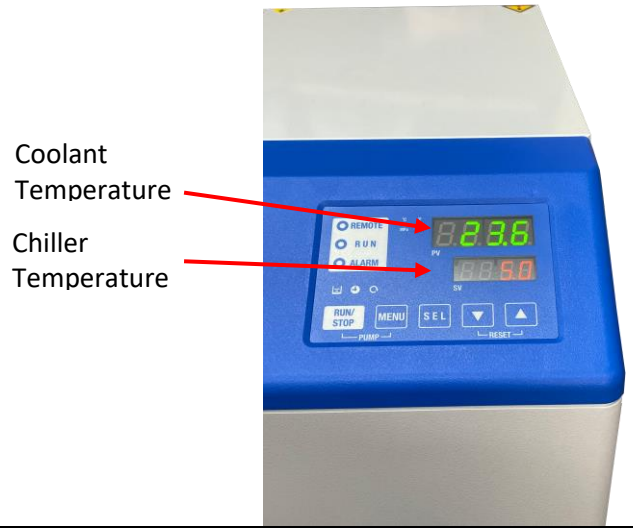
   Upon startup, the selection screen will turn on.

7. The instrument will read out two numbers.

   The top number in green displays the current coolant temperature.

   The number in red below details the set temperature within the instrument.

   NOTE: The chiller has been pre-programmed for 5°C



8. Press **RUN** to begin chilling.

9. For further assistance, refer to the SMC Chiller Operator's Manual provided or contact ANKOM Technology for tech support.