

**Guidelines:**

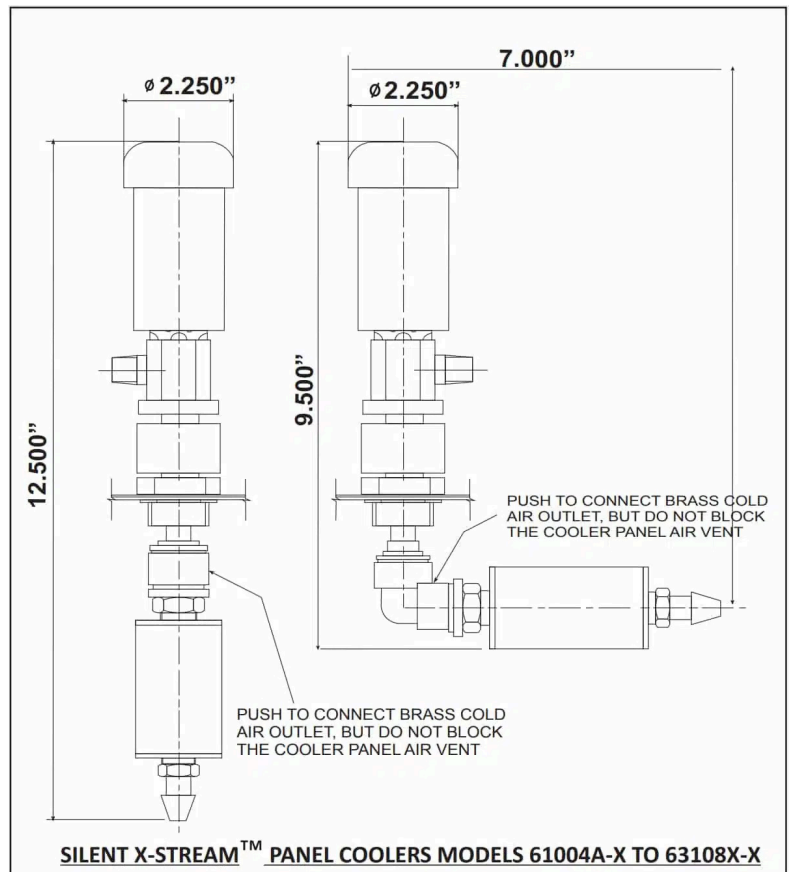
1. Insure that compressed air lines are properly sized to keep pressure drop to a minimum. Use at least 1/4" pipe or 3/8" hose for supply line runs up to 10 feet, 3/8" pipe or 1/2" hose for runs up to 50 feet and 1/2" pipe lines for longer runs. Do not use restrictive fittings such as quick couplings which will reduce the effectiveness of the cooling systems.

2. All systems come complete with a properly sized 5 micron filter with a float type auto drain. NEVER USE anything except an automatic float type auto drain to prevent any accidental water flow into the system. If oil is a problem in your air lines, use a properly sized oil removal filter with at least a .3 micron rating. Install all filters within 10 to 15 feet of the cooling unit.

3. Panel cooler MUST be vertically mounted on a flat surface for all enclosure types as listed below. The Frigid-X™ system is easy to install through a 7/8" diameter hole in the enclosure. I nut on the cooling unit will lock it in place. Once the cooler is secured, add the cold end muffler to the brass extension using the push on fitting. Do not press too hard and accidentally close off the vent. Then on the external hot end of the cooler, add the hot end muffler. It will be securely attached over the hot end cap.

4. A cold air distribution hose kit is provided along with the cooler free of charge to direct the cold air to any hot spots as required. Holes may be cut or drilled in the tubing. Use at least 6 – 1/8" diameter holes in the tubing to minimize any back pressure on the cooling unit. The end is typically plugged and the kit is supplied with an extra muffler at the plugged end.

*SILENT X-STREAM® SMALL FRIGID-X PANEL COOLER*



**BASIC TYPES AND PART NUMBERS:**

NEMA TYPE 12 - Models 600\_\_A    NEMA TYPE 3R – M    Models 600\_\_R    NEMA TYPE 4-4X – Models 601\_\_X

The numbers in the spaces \_\_ indicate specific SCFM at 100 psig. For example 60015R is a 15 SCFM unit TYPE 3R rating. A Model 60008A is a 8 SCFM unit TYPE 12 rating.

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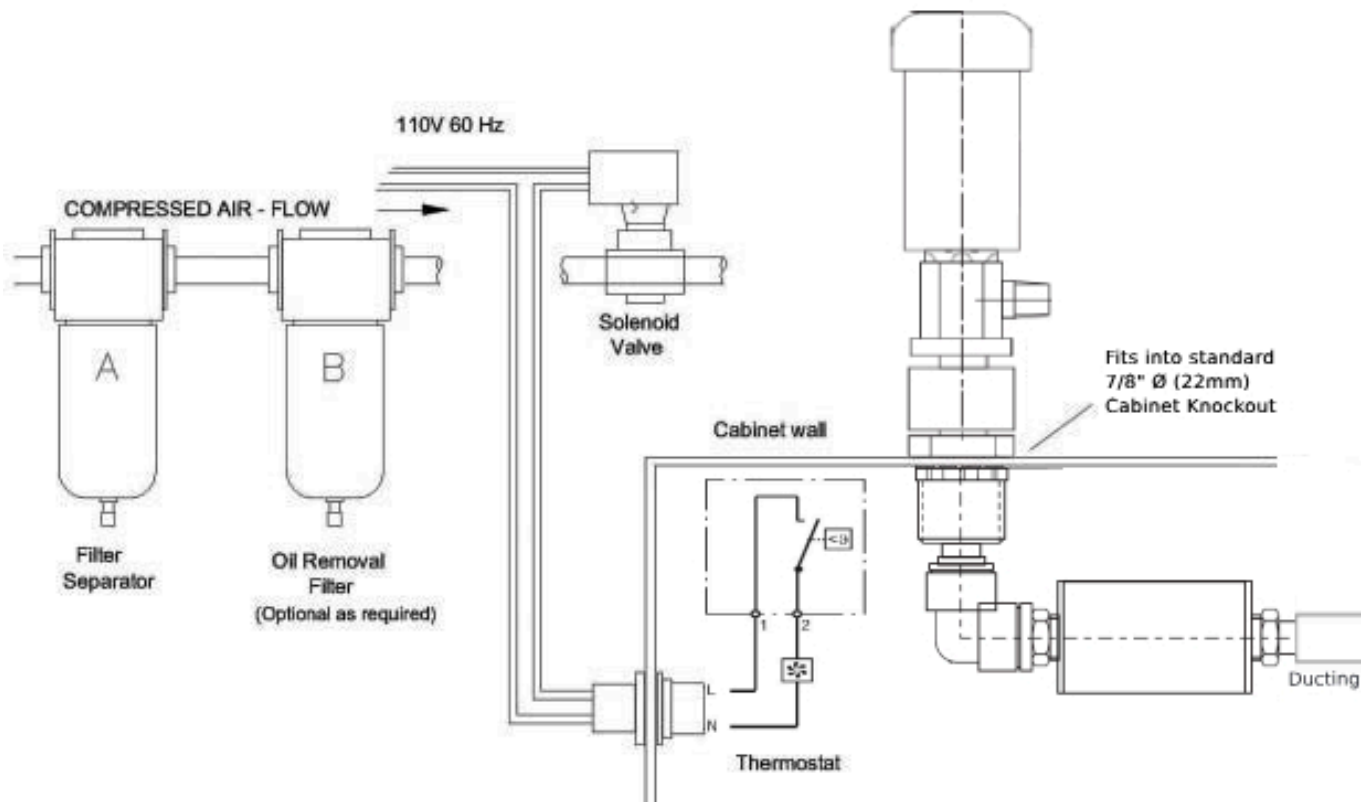
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# FRIGID-X™ AIR CONDITIONING SYSTEM

## FRIGID-X™ AIR CONDITIONING SYSTEM INSTALLATION & MAINTENANCE

### Frigid-X Panel Cooler - Application



5. Close off any vents or other openings that may draw in ambient air, especially in warm or hot high humidity environments. This entrained air can condense inside the control enclosure much like water that forms on the outside of an ice-filled drinking glass on a summer day. Relocate any external fans inside the enclosure to help circulate the internal cooled air.
6. Frigid-X™ enclosure coolers may be either run constantly or, can use on-off control with a thermostat and solenoid valve package. The thermostat supplied by Nex Flow may be mounted inside the control panel and is a thumbwheel thermostat allowing you to set the hot end temperature at which point the unit will activate the solenoid and cool. It will work in approximately a +/- 3 degree F range from the set point. We recommend 95 degrees F as the setting but customer can adjust for their preference. Location is not sensitive for operation but should be mounted in a hot area of the enclosure. The thermostat is then connected to the hot line supplying the solenoid valve. It is normally open, and closed when actuated, when the temperature rises. The solenoid valve should be mounted between water removal filter and the cooling unit. The solenoid valve is controlled by the thermostat but may also be controlled by the machine if it is used on.
- If you have any questions or problems, please contact:

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