

INSTRUCTIONS

4054TH Refrigerant Cylinder Heater

Fits 1 ton Cylinders

Adjusting the Pressure Switch

A change in the set point may be made by turning the adjusting ring located in the opening in the side of the body. Causing the ring to turn counter clockwise will lower the set point, and turning clockwise will raise the set point. For the best results after re-setting the switch, cycle the system pressure level several times to stabilize the new set point. Repeat the above adjustment procedure if necessary.

SUGGESTED PRESSURE SETTINGS		
Refrigerant	psia	psig
R134a	150	164.7
R22	225	239.7
R407C	254	268.7
R404A	268	282.7
R410A	355	369.7



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4054TH Cylinder Heater

The 4054TH Cylinder Heater is designed for use on one-ton refrigerant containers and consists of three basic components:

1. CP4054TH MANIFOLD Manifold with pressure control, power cords, and valve.
2. CP4054TH-1P Heating element with cord and molded thermostats. Approximately 36" X 72" 1675W.
3. CP4054TH-2 Insulation. Insulated cover.
4. 9801-B-4FFL-6 - 6 Ft. Hose

INSTALLATION AND USE

1. Attach the manifold to the liquid valve of the cylinder using the 3/4 inch nut on the manifold. After the nut has been tightened, loop the safety chain on the manifold's electrical box over the neck of the container's liquid valve. Hook the 'S'-hook on the chain back through the eye on the electrical box. This is important to prevent any strain on the manifold's electrical connections. **It also ensures that the unit is properly grounded.** Connect the male plug on the element's cord to the short female connector on the manifold's electrical box.

2. Cinch the heating element to the one-ton container. With the molded thermostat facing out, wrap the heating element around the container. The thermostats, straps and buckles should be at the top of the tank. Position the element so that the uncovered area of the tank is centered at the top. With the element correctly positioned pull the straps through the buckles and

INSTALLATION AND USE (Cont'd)

make sure they are snug. The area under the dual molded thermostat should be making contact with the surface of the cylinder. Connect the male plug on the element's cord to the short female cord on the manifold's electrical box.

3. Connect a standard 1/4" flared end charging hose to the 1/4" flared end of the ball valve on the manifold. Make sure the valve is closed. Connect the other end of the hose to the container or device to receive the refrigerant from the one-ton container. Open the liquid valve on the one-ton container. Connect the power supply cord with 115/VAC plug from the manifold to a matching electrical outlet. The heating element will begin to heat and is now operating under the control of the manifold's pressure switch. The pressure is preset at **160-165 PSIG**, but is easily field adjusted. To adjust or change the pressure setting see the diagram on the back of this page.

4. Place the insulated cover over the one ton refrigerant rack and fasten together using the Velcro seams.

5. When you want the refrigerant to flow, open the 1/4" ball valve on the manifold. The pressure developed by heating the 1 ton container will force the refrigerant under pressure to the vessel or device connected to the valve.

DO NOT OPERATE THE HEATER WITH THE TANKS LIQUID VALVE CLOSED. THE VALVE MUST BE OPEN TO ALLOW THE PRESSURE SWITCH TO OPERATE PROPERLY. USE ONLY THE MANIFOLD'S BALL VALVE TO CONTROL REFRIGERANT FLOW.