

4054M

125 lb. Refrigerant Cylinder Heater

INSTRUCTIONS

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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4054M Cylinder Heater

The 4054M Cylinder Heater is designed for use on 125 lb. refrigerant cylinders (approx. 10-11 inches in diameter and 54 inches tall) and consists of three basic components:

1. CP4054 MAN Manifold with pressure control, power cords, valve, and hose.
2. CP40543A Element. 12" X 28" silicone rubber heating element with cord and molded thermostat.
3. CP4054-5 Cover. Insulated cover

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 insures that the unit is properly grounded.** Connect the male plug on the element cord to the female connector on the manifold's electrical box.

2. Secure the heating element to the cylinder. With the molded thermostat facing out and the molded cord pointing downward, wrap the heating element around the cylinder at its base. Pull the Velcro straps tight so the element is secure with the area behind the thermostat in contact with the surface of the cylinder. Connect the male plug on the element's cord to the short female connector on the manifold's electrical box.

INSTALLATION AND USE (Cont'd)

3. Connect the 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 125 lb. cylinder. Open the liquid valve on the cylinder. Connect the manifold's power supply cord to a standard 115/VAC outlet (or timer switch) . 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. Wrap the Airserco gray insulated cover around the tank and secure both sides of the cover along the Velcro seam. The thermostat is set to trip at 133° F and acts as a safety device backing up the primary control, the pressure switch.

5. When you want the refrigerant to flow, open the 1/4" ball valve on the manifold. The pressure developed by heating the 125 lb. cylinder 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.