EH8000RKIT
Dry Nitrogen Charging Kit
C2479M-A (11/04)

The EH8000RKIT is used to charge the EH8100 Series pressurized enclosures and the Pressurized Spectra III™ Series domes with approximately 8 psi of dry nitrogen.

⚠ **WARNING:** This kit utilizes a regulator that has a fixed, nonadjustable output pressure of 12 psi (83 kPa). The gauge reads the tank pressure only. This can be used to determine how much pressure is in the tank and when it is necessary to replace the tank. The tank is non-rechargeable.

1. Open the tank valve.
2. **EH8100 Series Enclosure Only** – To reduce the time necessary to purge the air from the enclosure, position the enclosure so that the window is pointing up. Use a small screwdriver to hold the pressure relief valve open. Refer to Figure 1.

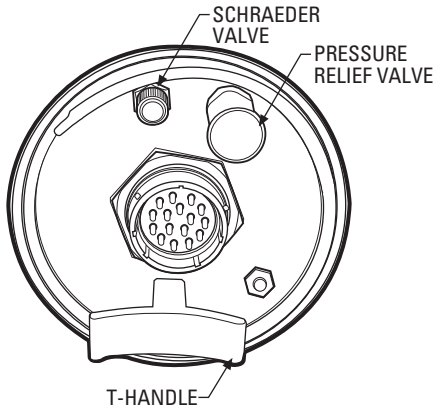

Figure 1. EH8000 Series Enclosure - Rear View

3. Remove the valve cap from the Schraeder valve and attach the air chuck. Refer to Figures 1 and 2.

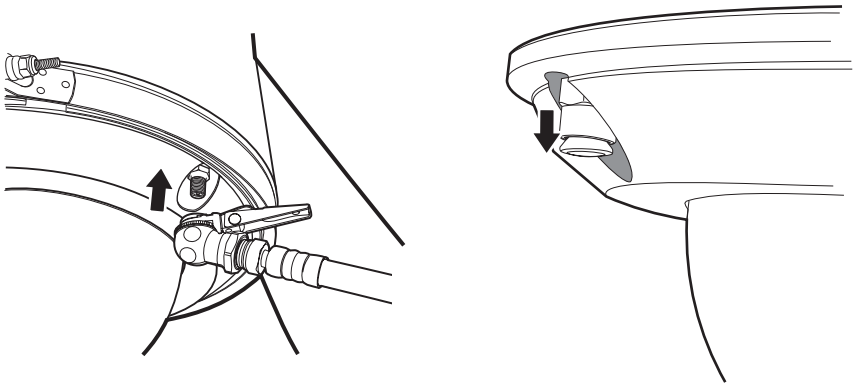

Figure 2. Pressurized Dome

4. Charge the enclosure or dome with nitrogen:

   EH8100 Series Enclosure – Allow nitrogen to flow through the enclosure until the humidity indicator registers the lowest humidity level, changing color from pink to blue. (The humidity indicator can be viewed through the front window of the enclosure looking at the inside top of the enclosure.) Once the humidity indicator registers the lowest level, remove the screwdriver from the relief valve and allow nitrogen to continue to flow into the enclosure until you no longer hear the flow of nitrogen from the tank to the enclosure.

   Pressurized Spectra Series Dome – Allow nitrogen to flow through the dome for five minutes to purge the air from inside the dome. The relief valve will open at 7 pounds of pressure.

5. Remove the air chuck from the Schraeder valve, replace the valve cap, and close the tank valve.

6. **Pressurized Spectra Series Dome Only** – To ensure a tight seal on the relief valve, burp the dome by manually opening the valve momentarily to let a little nitrogen out. Then press the end of the relief valve to ensure that the valve is completely seated and sealed.

REVISION HISTORY

Manual #	Date	Comments
C2479M	12/03	Original version.
C2479M-A	11/04	Revised regulator output pressure setting to 12 psi (83 kPa).