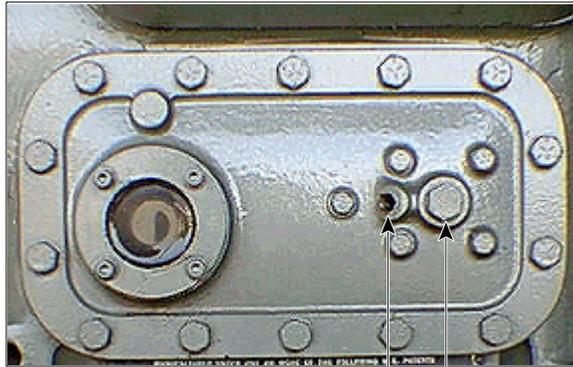# DALLAS HERMETIC

# Worthington/Climatrol
## 2V/3V/CHC/CVC Compressors
### Suction Pressure Unloading



Bellows vent port. Also used for pneumatic control connection.

Unloader adjustment screw beneath plug.

UNLOADER ADJUSTMENT PROCEDURE

(A) If the system is operating above the design suction pressure:

1. Close the compressor suction service valve to the point where the suction pressure drops to the design pressure.
2. Slowly turn the adjusting screw in (clockwise) until a step of unloading occurs. This will be accompanied by a change in compressor tone and a decrease in amperage.
3. The compressor suction service valve should then be fully opened. After the system has stabilized the unloading operation will occur when the suction pressure drops below the setting.

(B) If the system is operating below the design suction pressure:

1. Turn the adjusting screw in (clockwise) as far as possible, so that the compressor will be operating at minimum capacity. As the screw is turned in, the pressure should increase until it exceeds the design suction pressure. If it is still below the design value, increase the load on the evaporator maintaining the proper condensing temperature.
2. If the suction pressure exceeds the design suction pressure, the suction service valve should be closed until the suction pressure is about 10 psig for R-22 or 6.5 psig for R-12 below the design suction pressure.
3. Turn the adjusting screw counterclockwise until a step of unloading occurs. This will be accompanied by a change in compressor tone and an increase in amperage.
4. The suction service valve should be fully opened and the system permitted to stabilize. At this point very little screw adjustment should be needed. Turn the screw clockwise to increase suction pressure and counterclockwise to decrease suction pressure.

IMPORTANT
A short time lag usually occurs between a change in the screw adjustment and the resulting loading or unloading. The screw should therefore be turned very slowly, with a wait after each slight turn, or a step might be missed completely.