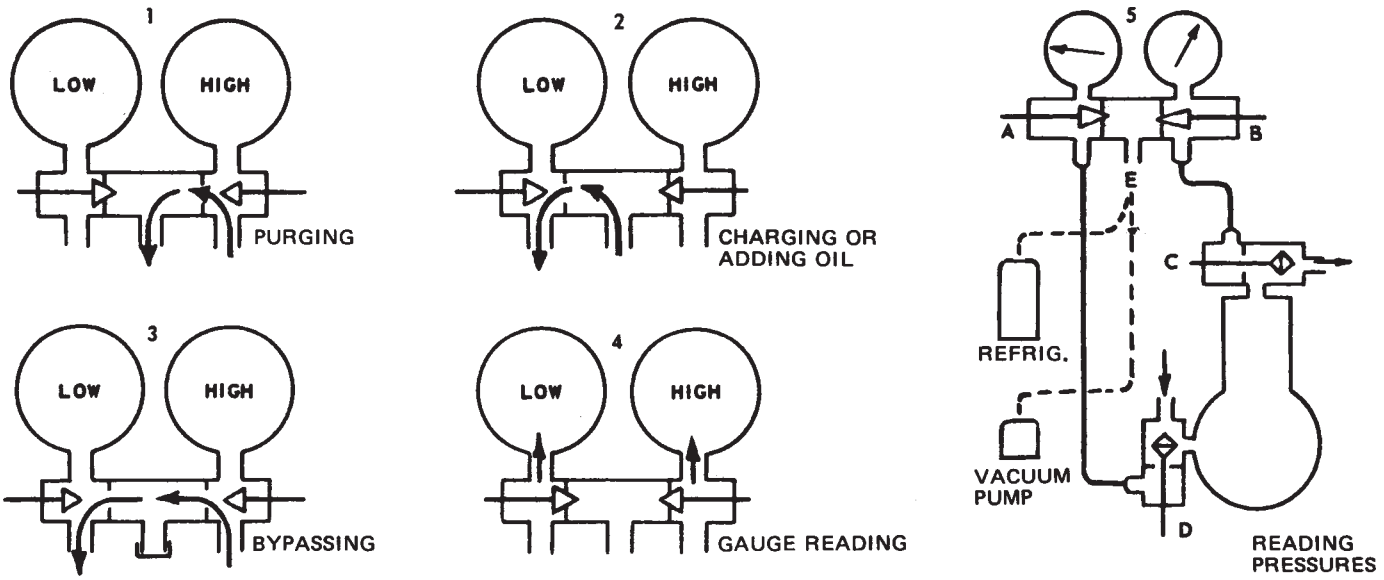
NATIONAL REFRIGERATION PRODUCTS

GLOBESAFE™ MANIFOLD INSTRUCTIONS

FOR USE BY PROFESSIONALS ONLY!

Due to the unusually high pressure and hazardous gasses used in refrigeration and air conditioning, only refrigeration and air conditioning technicians should us this equipment. Proper procedures must be used.



Schematic of gauge manifold installation on external drive compressor with service valves. A - Manifold suction valve. B - Manifold discharge valve. C - Compressor discharge service valve. D - Compressor suction service valve. E - Service opening. 1 - Purging. 2 - Charging and adding oil. 3 - Bypassing. 4 - Gauge reading. 5 - Both manifold valves are turned all the way in. System is pumping vapor and both low and high-side pressure are being read.985 Wh

Various service and testing operations may be performed after the testing manifold has been installed:

A. Observe operating pressures by:
Closing valve A by turning all the way in.
Closing valve B by turning all the way in.
Cracking open back seat of valve C.
Cracking open back seat of valve D.

B. Charge refrigerant into system by:
Connecting refrigerant cylinder to E (vapor only).
Opening valve A. Closing valve B.
Closing front seat of valve D slowly.

C. Purge condenser by:
Closing valve A. Opening valve B.
Cracking open valve C.

D. Charge liquid refrigerant into high side by:
Connecting refrigerant drum to E.
Closing valve A. Opening valve B.
Mid-positioning valve C.

E. Build up pressure in low side for control setting or to test for leaks by:
Sealing E with seal cap.
Opening valve A. Closing valve B.
Back seating then crack open valve C.
Mid-positioning valve D.

F. Charge oil into compressor by:
Connecting oil supply to E. Opening valve A.
Closing valve B. Turning valve D all the way in.

G. Pull vacuum by:
Connecting vacuum pump E.
Opening valve A. Closing valve B.
Mid-positioning valve C.
Mid-positioning valve D.

After completing service operations, the manifold is removed from the system. This must be done without losing refrigerant or admitting air. Turn the DSV at C all the way out. Then open both manifold valves A and B 1/4 to 1/2 turn. This arrangement will move all the high-pressure refrigerant from the line and the high-pressure gauge and put it into the low side. Now turn the SSV stem at D all the way out and turn both manifold valve stems all the way in. Remove the lines from the service valve.

Note: Check Equipment Manufacturer's catalog or instruction sheet for specific recommendations on refrigerant charge, oil change and service procedures for any particular piece of equipment.

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