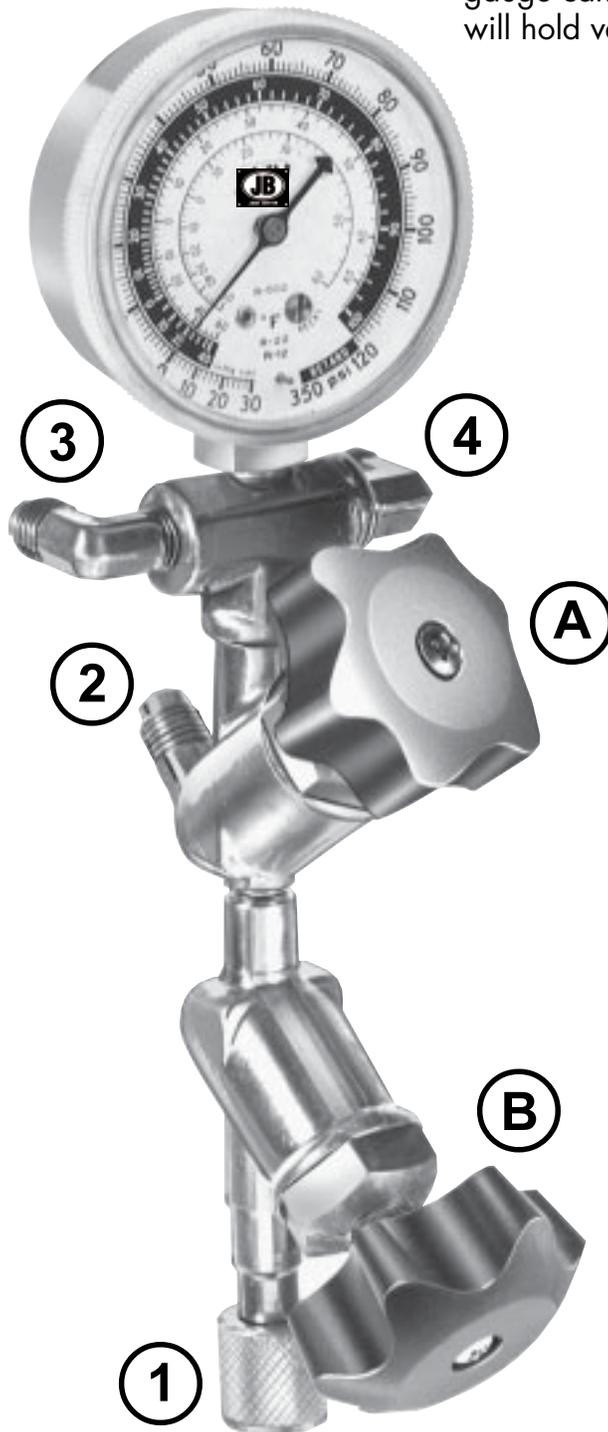




D10053 Economy Deep Vacuum Manifold

US. Pat. #3615109

Evacuation, complete with pressure drop test using vacuum gauge can be performed as well as charging system. Manifold will hold vacuum of 25 microns or better without leaking.



EVACUATION:

1. Close Valves A and B. Valve A isolates Port #2 from system. Valve B isolates system from pump.
2. Install directly onto intake of your pump via the 3/8" flare swivel coupler #1. Note: Do not wrench coupler. Finger tightening will seal this connection for deep vacuum.
3. If using vacuum gauge install to Port #2 using O-ring coupler. If vacuum gauge is not used, cap port.
4. Using deep vacuum flexible metal hoses with O-ring couplers make connections at Ports #3 and #4 and to the suction and discharge service valves on the unit to be evacuated. This allows you to evacuate from the high and low side of the system. Note: Unit should be purged of refrigerant prior to connection.
5. Open suction and discharge service valves and manifold Valve B. Turn on pump and open Valve A if using micron gauge. Evacuate to manufacturer's recommendations and close Valve B. This isolates the pump from the system to perform pressure drop test using micron gauge.

TO CHARGE SYSTEM:

1. Close Valve B. This will be closed after pressure drop test if using vacuum gauge. Remove gauge connection.
2. Connect refrigerant line to Port #2. Connection at port should be loose. Open refrigerant supply. When air is purged, finger tighten connection at Port #2 and open Valve A to charge system.