

Hycomp Inc

Compressor Installation Checklist

For warranty to be valid, all boxes must be checked or marked N/A, and this form returned to Hycomp with the Warranty Registration Form.

- Reciprocating compressors installed at permanent locations must be mounted on a reinforced concrete foundation (6 bag / 4000psi mix) weighing at least twice the weight of the compressor. Fill a permanent mounted baseplate/skid with epoxy grout.
- Compressors mounted to transportable or package skids must be securely fastened to adequately constructed subframes.
- Allow for 18" of clearance for air circulation and component removal around the compressor.
- Outdoor compressor installations must be protected from the effects of the environment, i.e. cold, heat, rain, sun, dust, etc. Machinery exposed to the elements requires increased maintenance and experiences decreased service life. A block heater with thermostat is required for cold climates. (below 40⁰ F)
- A power disconnect for the machine must be installed as per NEC & local code.
- Lockout/tagout the compressor control panel and tighten all electrical connections within the control panel (if provided) before startup. Connections can come loose during shipping leading to intermittent faults.
- Use threaded or flanged flexible braided metal hose connections of proper pressure rating, to the compressor & system inlet and discharge ports. Do not use rubber hose.
- Booster compressors must have a properly sized filter installed at the suction receiver inlet, to protect the booster from damage caused by system contamination. Filter should be 1 micron or better, sized for minimal pressure drop. Air compressors must have an inlet filter installed.
- Ensure that properly sized pressure safety valves are protecting the inlet and discharge piping systems, and are placed between the compressor and any isolation ball valve, per ASME Code.
- A properly sized check valve must be located in the discharge line. Check valve size must be at least as large as the pipe size.
- Protect personnel from high temperature piping/tubing by insulating, warning, and or restricting access to the machine boundary.
- Instrument lines to control sensors, unloader controls, etc., must be 3/8" tubing, and drawn from a receiver, not from the compressor inlet/discharge piping.
- Install an oil seep drain line and container to route and contain drainage from the compressor block oil scraper flange area. A 1/4" flexible rubber hose line of suitable length is sufficient.
- Double nut, Nyloc nut, or Loctite foundation bolting. Check all bolting after the first few hours and days of operation for tightness.
- Re-torque all head and flange bolts after the first 40 hours of operation, per the Hycomp installation manual.
- Re-tighten pressure connections, including tube fittings, pipe connections, and flange connections, after initial operation.
- All booster compressors must have an inlet receiver sized per Hycomp installation manual. Ensure that inlet and discharge receiver tanks are secured and bolted down.
- Compressors are shipped with SAE 30 wt oil. Refer to installation manual to ensure this is appropriate for your environmental conditions.
- Check your system for leaks and fix as required. Remove all pressure from system and isolate and drain, before attempting fixes.
- Complete the Hycomp Warranty Registration Card and return it to Hycomp. Call 24/7 with questions.

**USE COMMON SENSE & STANDARD INDUSTRY PRACTICES
SEE HYCOMP INSTALLATION/INSTRUCTION MANUAL FOR ADDITIONAL DETAILS**