

# *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 to further help dampen vibration.
- 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 on the pulley guard side of the compressor.
- Outdoor compressor installations must be protected from the effects of the environment, i.e., 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 40<sup>o</sup> 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 (suitably pressure rated) to the compressor & system inlet and discharge ports. Do not use rubber hose!
- 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 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 copper lines and fittings after initial operation.
- Ensure that inlet and discharge receiver tanks are secured and bolted down.
- Check your system for leakage and remedy leaks.
- Complete the Hycomp Warranty Registration Card and return it to Hycomp. Call us anytime (24/7) for answers to questions.

**SEE HYCOMP INSTALLATION/INSTRUCTION MANUAL FOR ADDITIONAL DETAILS**

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