ACK Check Valves

Safety Instructions

For use with CFC, HFC and HCFC refrigerants listed in CAN/CSA B52, ANSI/ASHRAE 34 and ANSI/ASHRAE 15 sec. 9.2 where the saturation vapor pressure at 125°F (high side) and 80°F (low side), is less than the maximum design working pressure. After charging, mark unit with refrigerant type and oil type.

1. **WARNING: The system must be pumped down and lines must be depressurized before attempting to install. Failure to do so could result in serious bodily injury.**
2. Assure that flow arrow points in the direction of desired flow.
3. Properly clean and prepare joints. Flux if necessary.
4. The valve body should be wrapped with a water saturated cloth (wet ragged) to prevent overheating of internal components.
5. Flame should be directed away from valve body to prevent overheating.
6. Allow connection to cool naturally, do not quench.
7. For use with CFC, HFC, and HCFC refrigerants listed in CAN/CSA B52, ANSI/ASHRAE 34 and ANSI/ASHRAE 15 sec. 9.2 where the saturation vapor pressure at 125°F (high side) and 80°F (low side) is less than the maximum design working pressure.
8. After charging, mark unit with refrigerant type and oil type.

R-744 systems

- This check valve can be used with R-744(carbon dioxide), in either a secondary loop or a cascade system where the design pressure of the check valve is greater than the design pressure of the pressure relief valve.
- This product does not have a pressure relief or pressure regulating relief valve, so a sufficient number of either pressure relief valves or pressure regulating relief valves with adequate capacity should be field-installed on the refrigeration system. Do not put a stop valve between the pressure relief valve and the refrigeration system. Refer to the installation instructions provided with the end use equipment manufacturer.
- When the refrigeration system is de-energized (shutdown for service or other reasons), venting of R-744 through the pressure regulating relief valves on the refrigeration system can occur. In such cases, the system may need to be recharged with R-744, therefore the pressure regulating relief valve(s) are not to be disabled or capped. The relief setting shall not be altered.

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