Clean Shot

ACR System Flush

Product Information

Clean Shot is a simple system flush that, when used correctly, will help ensure contaminants and debris commonly left in a system will be easily and safely removed. It's recommended for use on equipment that has experienced a compressor burnout to assist with removing unwanted acids and contaminants from the system.

Benefits

- Nontoxic, nonflammable
- Pre-conversion preparation and system burnouts
- Cleans any ACR system line
- Available in 5 and 10 lb cylinders

Usage Guidelines

1. Recover all refrigerants from the system.
2. Disconnect the suction and liquid lines at the condenser and evaporator. Crimp one end of both lines, leaving an opening, to assist in building up pressure, so contaminants will be flushed from the system into a container.
3. Insert the Handy Shot fitting into the non-crimped end of the tubing. With the cylinder in an upright position, start flushing the tubing for 30-90 sec. (Timing is dependent on tubing size and length.)
4. Reusing the Handy Shot fitting, purge the line set with nitrogen. Repeat flush and nitrogen purge as necessary until flush liquid is clear.
5. Once completed, purge the tubing with ~100 psig of nitrogen to remove any remaining Clean Shot from the tubing.
6. Reconnect the tubing to the evaporator and condenser.
7. Install a new liquid line filter drier.
8. Evacuate the system to a 500-micron minimum.
9. Recharge the system with refrigerant.
10. Adjust the refrigerant charge to designed subcooling (if the system is equipped with an expansion valve) or compressor superheat (if equipped with a fixed orifice or cap tube).

Notes

- Use in a well-ventilated area.
- Wear gloves and eye protection.
- Review system piping for low spots that may cause Clean Shot to puddle and leave contaminants in the system.
- Handy Shot fitting can be used in line sets from $^{1}/_{4}$ to $1\text{-}^{1}/_{8}$ OD ACR pipe.
- Clean Shot is not recommended to flush compressors, TEV, filter driers, reversing valves, accumulators, etc.
- When using Clean Shot, evaporators and condensers must be isolated from the system for contaminant removal.

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Usage Guide

The following guide describes the cleansing potential of Clean Shot™. With so many variables to consider, including line size lengths and diameters, system age, and service history, these ratios will vary. The most sensible practice is to introduce Clean Shot™ to the lines in 30-90 second bursts, until the color of the solvent leaving the crimped end of the line is relatively clear. Remember to keep the Clean Shot™ cylinder in the upright position. Weigh the Clean Shot™ cylinder before and after use, so you can determine actual cleaning costs. Please follow the complete user guidelines printed on the side panel of the Clean Shot™ box.

1 pound - 2-4 ton system

2 pounds – Up to 5-7 ton system

5 pounds – Up to 20 ton system

10 pounds - Up to 40 ton system

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