



R₁₁-flush® is designed to quickly and easily flush contaminants from air conditioning and refrigeration systems and line sets. It is ideal for flushing after a compressor burnout, during a refrigerant retrofit, or at a new system installation. Formulated as a unique solvent, R₁₁-flush is an azeotropic cleaner that is fast acting, fast evaporating, compatible with system components, nonflammable and noncorrosive.

DIRECTIONS FOR USE:

This product must be used in accordance to the following directions by HVACR professionals only. Wear safety glasses and rubber gloves. Be sure adequate ventilation is provided during the entire procedure. Read warnings on other panel before use.

FLUSHING LINE SETS & CONTAMINANTS AFTER BURNOUT:

1. Disconnect compressor and electricity. It is recommended that expansion valves, capillary tubes and filter driers be removed or by-passed. If possible, flush system in sections.
2. Place a container or pail at outlet point of flushing to catch contaminants, which should be disposed of properly.
3. If possible, install or create a slight restriction at the outlet point; this will enhance contact time and result in a better flushing.
4. Connect the Injection Valve (4300-89)* to R₁₁-flush canister; do not overtighten. The valve is equipped with a 1/4" flare fitting which will connect to a charging hose such as the 4300-52. Utilize the R₁₁-flush Gun (4300-51) to simplify control at injection point.
5. One canister will flush a 3-4 ton system or 1-2 line sets (four 35' lines), but the amount will vary depending on line configuration and contamination level. Inject R₁₁-flush into the system using below guide: Up to 1/2" tubing: Use a 20-30 second burst of R₁₁-flush through each line for every 50 feet. Up to 7/8" tubing: Use a 60-90 second burst of R₁₁-flush through each line for every 50 feet.
6. Follow with 120 psig compressed nitrogen to increase mass flow and purge flush and contaminants. **DANGER: Insure the R₁₁-flush canister is not connected to the nitrogen purge.**
7. Either inject additional R₁₁-flush or make required repairs. Pull vacuum to boil off any remaining flush.

ADDITIONAL TIPS:

1. If any flush remains in canister, it can be saved for future flushing. Simply turn Injection Valve fully counterclockwise and remove from canister. If local regulations permit, recycle this canister.
2. For extra protection, charge system with R₂-Acid Scavenger® (4301-02) as insurance to protect against acid contamination.
3. See application bulletin 3-112 for additional details.



4300-09

R₁₁-flush®

AC/R SYSTEM FLUSH

TRIPLE ACTION
FLUSHING POWER



OEM ENDORSED



COMPLETE EVACUATION
LEAVES NO RESIDUE



**NON-FLAMMABLE
NON-TOXIC**

See the SDS for additional safety information.

FOR PROFESSIONAL USE ONLY

DANGER: Never connect this canister to nitrogen via manifold sets or other charging hoses! Failure to ensure system is free of pressure when injecting R₁₁-flush may cause the can to burst and result in injury.

Do not expose to heat or store above 49°C/120°F. Do not refill canister. Vapors are heavier than air. Do not breathe dense concentrations of fumes. * The Injection Valve (4300-89) is equipped with an audible pressure relief alarm that will sound if canister is inadvertently connected to a source of high pressure. If alarm sounds, immediately disconnect hose from source of high pressure. The valve is set to factory specs and should not be adjusted.



WARNING

Contains gas under pressure; may explode if heated. Harmful if inhaled. Causes serious eye irritation. May cause drowsiness or dizziness.

PREVENTION: Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear eye protection.

RESPONSE: IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

STORAGE: Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

DISPOSAL: Dispose of container in accordance with local, regional, national and international regulations.

CONTAINS (CAS): (E)-1,2-Dichloroethene (156-60-5), Dimethyl carbonate (616-38-6)



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DOT 2Q SP-10232



PMS Reflex Blue C



PMS 159C