



Rx11-flush is designed to quickly and easily flush air conditioning and refrigeration systems and line sets, particularly after a compressor failure, during a refrigerant retrofit, or at a new system installation. Formulated as a unique solvent, Rx11-flush is an azeotropic cleaner that is fast acting, fast evaporating, compatible with system components, nonflammable and noncorrosive.

#### GENERAL GUIDELINES:

**This product must be used in accordance to the following directions by HVACR professionals only.**

1. See application bulletin 3-112 for additional details. Be sure adequate ventilation is provided during the entire procedure. You will need Rx11-flush canister(s), Injection Valve (4300-89), Rx11-flush Hose (4300-52), Rx11-flush Gun (4300-51), low pressure nitrogen (120 psig) and empty waste container. One canister will clean a 5-7 ton system or up to 5 line sets but the amount will vary depending on line configuration and contamination level.
2. Use safety glasses and rubber gloves. Use appropriate, established service practices.
3. **DANGER: Never connect this canister to nitrogen via manifold sets or other charging hoses! Failure to insure system is free of pressure when injecting Rx11-flush may cause the can to burst and result in injury.**

#### FLUSHING LINE SETS

1. Establish one end of line set as the exit point and crimp or restrict this exit point in order to increase mass flow and contact time of Rx11-flush.
2. Inject Rx11-flush into line set using Injection Valve (4300-89)\*, Gun (4300-51), and Hose (4300-52).
3. The amount of Rx11-flush needed to adequately clean and flush a line set will vary due to oil load, line configuration, etc. Typically, this can will flush up to 5 line sets or up to ten (10) 35' lines.
4. Follow the Rx11-flush with compressed nitrogen (120 psig) to increase mass flow for maximum cleaning. **DANGER: Insure the Rx11-flush canister is not connected to the nitrogen purge.**
5. Pull vacuum to remove any residual solvent.
6. Line set is clean and ready for service.

**WARNING: FOR INDUSTRIAL USE ONLY - FOR USE ON AIR CONDITIONING, REFRIGERATION SYSTEMS - NOT FOR USE ON PNEUMATIC SYSTEMS - NON-FLAMMABLE.** Keep out of the reach of children. Contents under pressure. Do not puncture or incinerate container. Do not expose to heat or store above 49°C/120°F. Do not refill canister. This solvent is 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.** Never connect this canister to nitrogen via manifold sets or other charging hoses! Failure to insure system is free of pressure when injecting Rx11-flush may cause the can to burst and result in injury.



**4300-11**  
(43001)b

**R11-flush**

**AIR CONDITIONING &  
REFRIGERATION SYSTEM FLUSH**

**OEM Endorsed**

**Reseals to Flush Multiple Line Sets**

**Optimal Boiling Point**

**Leaves No Residue**

**Non-Flammable**

**Non-Toxic**

**WARNING:  
CONTENTS UNDER  
PRESSURE**  
Read Warnings on Side Panel.

**FOR PROFESSIONAL  
USE ONLY**

- **TECHNICAL DATA**
- Ozone Impact: Zero
- Flash Point: None
- NFPA Ratings: Health=1,
- Fire=0, Reactivity=1
- See the SDS for additional
- safety information.

**Nu-Calgon**

#### FLUSHING AFTER BURNOUTS

1. If possible, flush system in sections.
2. Disconnect compressor and electricity. It is recommended that TXV's and capillary tubes also be disconnected or by-passed, but is not required.
3. Remove filter driers.
4. Install a container or pail at outlet point of flushing to catch used oil, sludge, and other flushed material, which should be properly disposed.
5. If possible, install or create a slight restriction at the outlet point; this will enhance contact time and result in a better flushing.
6. Connect the Injection Valve (4300-89)\* to Rx11-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. Do not connect charging hose directly to canister's threaded fitting.
7. Utilize the Rx11-flush Gun to simplify control at injection point.
8. Inject Rx11-flush into the system. NOTE: Never flush the compressor itself. This canister has been designed to dispense all of its contents in an upright position.
9. Follow with compressed nitrogen (120 psig) to increase mass flow for maximum cleaning. **DANGER: Insure the Rx11-flush canister is not connected to the nitrogen purge.**
10. Evaluate system for cleanliness. Either inject additional Rx11-flush or make repairs and secure system.
11. Evacuate system, leak check, and add oil and refrigerant if satisfactory. If appropriate, charge system with Rx-Acid Scavenger® (4301-02) as insurance to protect against acid contamination.
12. Reuse: If any product remains in canister, it can be saved for future flushing. Simply turn Injection Valve fully counter clockwise and remove from canister. If local regulations permit, recycle this canister.

\*4300-89 is equipped with audible pressure relief alarm. See opposite side panel.



#### WARNING

Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin irritation. Harmful if swallowed. May cause respiratory irritation.

**PREVENTION:** Wash thoroughly after handling. Wear eye/face protection. Wear protective gloves. Do not eat, drink or smoke when using this product. Avoid breathing gas. Use only outdoors or in a well-ventilated area.

**RESPONSE: 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 advice/attention. **If on skin:** Wash with plenty of water. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **If swallowed:** Call a poison center/doctor if you feel unwell. Rinse mouth. **If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

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

**DISPOSAL:** Dispose of contents/container in accordance with local/regional/national/international regulations.



Made in the U.S.A.  
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Chemical Emergency: 800-424-9300  
www.nucalgon.com • (318) Calgon is a licensed trade name.

**29.9 NET WT. OZ. (850 GRAMS)**