



March 17, 2021

## TECHNICAL DATA REPORT

See SDS for complete safety data



# PURGE LIQUID

LINE SET FLUSH

VAPCO PART NO.

PRG-16OZ



## SIGNAL WORD

## WARNING

## HAZARD STATEMENTS

- Causes serious eye irritation
- Harmful if inhaled
- May cause respiratory irritation
- May cause drowsiness or dizziness

## PRECAUTION STATEMENTS

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear eye protection/face protection.

**Most important symptoms/effects, acute and delayed Symptoms/Injuries:** Harmful if inhaled. Causes serious eye irritation. May cause drowsiness and dizziness. Asphyxia by lack of oxygen: risk of death. May cause frostbite on contact with the liquid.

## FIRST AID MEASURES

**General advice:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**If inhaled:** First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.

**In case of skin contact:** Immediately drain affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**If frostbite or freezing from exposure to aerosol occurs:** For brief contact with a small amount: Rewarm with body heat. Get immediate medical advice/attention. **For extensive contact or a large amount:** Immediately call a poison center/doctor and follow their advice. Specific treatment is urgent, incorrect first-aid practices will aggravate the injury. Protect affected area with a loose cover until proper medical treatment is received. Immediately remove contaminated clothing.

**In case of eye contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

## STORAGE

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Dispose of contents/container to specifications of local, regional, national, and international regulations.

## DESCRIPTION

PURGE Liquid cleans and flushes refrigeration systems and line sets. By keeping the solvents from boiling off too fast the advance formula removes more oil and other contaminants than any other flush.

### NEVER CONNECT CAN TO NITROGEN OR MANIFOLD SETS

**FAILURE TO INSURE SYSTEM IS DEPRESSURIZED (FREE OF PRESSURE) MAY CAUSE CAN TO BURST AND COULD RESULT IN INJURY**

## FEATURES AND BENEFITS

REMOVES IMPURITIES AND CLEANS OILS, SLUDGE, ACID, MOISTURE AND CONTAMINANTS

- Safe: Non-Toxic
- Non-Flammable
- Leaves No Residue
- Effective: 16 OZ Flushes 3-4 Tons.
- Safer on Soft Metals

## SPECIFICATIONS

**Appearance/form (physical state, color, etc.):** Clear liquid. **Odor:** Solvent odor. **Initial boiling point and boiling range:** 41°C (106°F). **Evaporation rate:** >3 Fast. **Vapor pressure:** 261 mm Hg at 25°C (77°F). **Vapor density:** 3.7 (Air=1.0). **Relative density:** 1.17 at 25°C (77°F). **Solubility(ies):** Non-soluble in water. **Oxidizing properties:** Reacts violently with strong oxidizers.

## DIRECTIONS

FLUSHING LINES SETS TO PREPARE FOR R-410A CONVERSIONS DIRECTIONS:

1. Establish one end of the line set as the exit point and crimp or restrict it to increase maximum solvency and contact time. Place a resealable recovery container at that exit point to capture the used flush/oil mixture. For best results, connect the liquid line and the suction line at the disconnected air handler. Inject solvent into the liquid line and collect the solvent at the suction line outdoors at the disconnected condensing unit.
2. Attach Hose with Flush Gun assembly to the outlet side of the flush tank valve (opposite the ball valve).
3. Fill the flush tank with Purge liquid (Tank will hold up to 24 ounces of liquid). Reassemble components, then attach the hose from a pressure regulated nitrogen tank to the inlet side (ball valve side) of the flush tank.
4. Set the pressure regulator to deliver 50 psi of nitrogen. Then, slowly open the inlet ball valve to pressurize flush tank. DO NOT EXCEED 200 PSI. After pressurizing the injector tank, close both valves and remove the nitrogen fill hose. Never flush with nitrogen attached to flush tank.
5. Insert Flush Gun in entry port of line and inject

flush. Flush in 3 second bursts. One can of Purge Liquid will typically clean 3 line sets. Results will vary according to contamination level and tubing diameter.

6. After injecting the Purge Liquid, proceed to purge the lines with 120 psi of nitrogen for 1 to 2 minutes capturing the solvent/oil residue in the recovery container. Clear flush solvent indicates the lines are clean. If the exiting solvent is not yet clear, repeat steps 5 and 6 flush procedure.

7. Proceed with new equipment installation. Pull a vacuum to evacuate the entire system. This will ensure any residual solvent is removed. The system is now clean and ready to install the R-410A.

FLUSHING AFTER BURNOUTS: DIRECTIONS

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. Follow flushing instructions above.
5. After flushing, evacuate system, leak check, and add oil and refrigerant if satisfactory.

## CONTAINS

1. TRANS-1,2-DICHLOROETHYLENE, CAS no. 156-60-5,
2. 1,1,1,2-Tetrafluoroethane, CAS no. 811-97-2. Acid and Moisture Removing Additive (Trade secret\*) Acetone, CAS no. 67-64-1. Ethanol Concentration, CAS no. 64-17-5.

Trade secret statement (OSHA 1910.1200(i)) \*TRADE SECRET - Specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.