

INSTRUCTIONS FOR USE

Product Name: **Onu 1993 FLUSH K11 500ml, 1L or 5L Flammable**

Product Code: **FLUSH K11**

Trade Name: **FLUSH K11**

UN Number: **ONU1993**

Packaging Group: **II**

INFORMATION

Description

FLUSH K11 is a high-solvency cleaning fluid that effectively dissolves oil and removes contaminants and residues from the system.

Safety Precautions

1. Do not smoke or use open flames when using **FLUSH K11**.
2. Ensure proper ventilation during the cleaning/washing process.
3. Use personal protective equipment (PPE), such as gloves and safety goggles.
4. Used **FLUSH K11** will contain lubricant oil and other residues. Store the used **FLUSH K11** in a tightly sealed container and dispose of it according to local regulations.
5. Disconnect the compressor from the system and shut off the power before performing the cleaning/washing procedure.

Use the FLUSH KIT for the following procedure

A. Washing Instructions:

1. Identify the part of the system to be cleaned. Small systems can be cleaned all at once, while larger systems should be divided into sections. Do not clean compressors, expansion valves, or filters.
2. Designate one line as the inlet and the other as the outlet.
3. Place a container at the outlet to collect the mixture of **FLUSH K11** along with lubricant oil and residues.
4. Add **FLUSH K11** to the FLUSH KIT. Refer to Section B to determine the amount of **FLUSH K11** to use. Close the tank and connect the hose to the nitrogen tank with a pressure regulator.
5. Limit nitrogen pressure to 50 PSI and pressurize the tank. Do not exceed the pressure limit specified by the FLUSH KIT manufacturer. After pressurization, close the valve and disconnect the hose from the nitrogen tank.
6. Using the application gun, apply **FLUSH K11** until no more liquid remains in the tank.
7. After applying **FLUSH K11**, wait approximately 5 minutes and then pass nitrogen only at 120 PSI pressure, collecting the **FLUSH K11** in the container at the outlet of the line. A clear color indicates that the line is clean. If **FLUSH K11** appears dark, repeat the procedure.
8. Perform a vacuum for at least 5 minutes after the washing procedure to remove any remaining cleaning fluid residue. The cleaned system or component is now ready for use.

B. Cleaning Fluid Quantity

The cleaning result may vary depending on the level of contamination and the diameter of the piping. Multiple washes may be necessary for highly contaminated systems.

Type of System	Amount of FLUSH K11 per Cleaning Procedure
Small Systems	Use 100 ml of FLUSH K11 per cleaning procedure.
Sistemas medianos o serpentineas	Use 300 ml of FLUSH K11 per cleaning procedure.

C. Washing Tips:

1. If the line being cleaned has a large diameter, it may be helpful to restrict the outlet flow to improve the efficiency of the procedure.
2. Creating a flange at the inlet of the piping helps improve the seal between the application gun and the line.
3. For large or highly contaminated systems, it may be better to clean in sections, washing the piping, condenser, and evaporator separately.
4. Expansion valves and capillary tubes should be removed or bypassed before cleaning.
5. In systems with a large amount of mechanical component or desiccant debris, the expansion valve and capillary tube cannot be cleaned and should be replaced.
6. Always remove filters and the filter drier.