Nu-Calgon Product Bulletin

3-457

A HIGH QUALITY SPRAYER FOR APPLYING NU-SOLVE NR; A NON-RINSE CONDENSER COIL CLEANER

- For use with Nu-Solve NR (4295-08) when water for rinsing is an issue
- Durable, ergonomically designed backpack sprayer with big mouth cap for easy filling
- High pressure spray (up to 150 psig) for added effectiveness with Nu-Solve NR
- Internal pump. No holes or connections in bottom of tank to leak!
- Large pressure chamber for long lasting pressure between pump strokes
- Four gallon capacity with graduated marks
- Flexible, rugged wand
- Adjustable nozzle for desired spray pattern

Sprayers

Nu-Solve NR Sprayer



Description

The Nu-Solve NR Sprayer is a versatile applicator designed exclusively for Nu-Calgon's Nu-Solve NR. The backpack sprayer is designed with a durable, UV resistant, high density polyethylene four gallon reservoir with no holes or connections to leak! The large graduated tank includes an internal pump and provides long lasting pressure between pump stokes. The sprayer includes a big mouth tank with strainer for faster, non-splash filling. The Nu-Solve NR Sprayer is ruggedly constructed with reinforced hose and flexible wand and adjustable nozzle. The sprayer includes padded, adjustable shoulder straps and a convenient carrying handle.

Principle Use

The Nu-Solve NR Sprayer is designed solely for use with Nu-Calgon's Nu-Solve NR (4295-08); an non-rinse outdoor coil cleaner when water access for rinsing is an issue. A few applications for Nu-Solve NR include cell tower cooling coils, multistory building where outdoor water access is not nearby, cleaning a residential condensing unit when the outside faucet is turned off, and/or when a contractor prefers to have a smaller chemical footprint on the roof when cleaning commercial systems.

IMPORTANT: Nu-Solve NR is the only approved coil cleaner to be used with the Nu-Solve NR Sprayer. Not for use with other Nu-Calgon coil cleaners or competing cleaners. Nu-Solve NR can also be applied with a conventional tank sprayer.

Packaging

Nu-Solve NR Sprayer	**4775-0**

Assembly Instructions

Consult the operator's manual (3-458) that is packaged with each sprayer and also available at www.nucalgon.com.

Operation Instructions

1. Inspect the sprayer before each use. Before each cleaning season, test the sprayer with water before arriving at the jobsite with Nu-Solve NR to clean a coil.
2. Always wear goggles, gloves, and durable shoes when applying any Nu-Calgon coil cleaner.
3. Remove cap. Pour Nu-Solve NR into sprayer and firmly screw the cap on. **Note: Never use this sprayer with any other coil cleaner.**
4. Place the sprayer on back and pressurize by pumping up to 15 times. For best results, the sprayer should be pumped every five seconds on a continuous basis while spraying. This will maintain the spraying pressure while cleaning the coil with Nu-Solve NR.
5. Allow Nu-Solve NR to 'work' for a minimum of 15 minutes before turning the system on.
6. After the coil has been cleaned, ***always*** release pressure in the sprayer by depressing the wand until flow stops. Carefully open the lid of the sprayer and pour any remaining Nu-Solve NR back into its original bottle. Never pour Nu-Solve NR or any Nu-Calgon coil cleaner into a container that is not properly labeled.

Care for the Sprayer

After each use, clean the sprayer thoroughly. If some Nu-Solve NR remains, relieve pressure within the tank first by depressing the trigger until flow has stopped. Carefully pour back into original Nu-Solve NR bottle using a wide mouth funnel. In a safe area, pump until all liquid is completely discharged through the nozzle. Refill the tank with fresh water and discharge through nozzle as previously instructed. If necessary, repeat this procedure several times to ensure that the sprayer is thoroughly flushed with water. If sporadic spray distribution occurs, it is caused by a clogged nozzle – remove and clean.

Maintenance and Storage

After use, the sprayer should be properly flushed with water, thoroughly drained, capped and stored away from direct sunlight to prevent any unnecessary UV damage. Occasionally, treat the mounting collar and cylinder with a lubricant such as grease or petroleum grease for long term functionality. Leave flow control locked open during storage. Regularly inspect the hose, wand, pump tank and flow control for wear damage or leak before use. Avoid excessive wear by regular lubrication of the pump cylinder/mounting collar and prompt and thorough cleaning after each use.

Troubleshooting

Always depressurize the sprayer, remove all Nu-Solve NR and clean the sprayer before making repairs. Select replacement parts (o-rings/seals) may be obtained through your local Nu-Calgon Wholesaler.

Troubleshooting Continued

PROBLEM: Flow control sticks or is hard to use.

CAUSE: O-rings are cracked or damaged.

SOLUTION: Contact Nu-Calgon - may require Repair Kit 725 and replacing the o-rings. Make sure you lubricate all the seals, gaskets, and o-rings.

PROBLEM: Liquid leaks between the flow control and the wand.

CAUSE: Nut may be loose or rubber seal is cracked or damaged.

SOLUTION: Tighten the nut and/or may require replacing the seal (Kit 392) and lubricate. Contact Nu-Calgon.

PROBLEM: Liquid leaks from cap.

CAUSE: Cap not screwed on tightly or seal is cracked or damaged.

SOLUTION: Tighten cap. Lubricate the seal, replace if necessary with Kit 2A. Contact Nu-Calgon.

PROBLEM: Check valve in cap leaks.

CAUSE: Check valve is dirty or damaged.

SOLUTION: Clean or replace as necessary (Kit 2CH). Contact Nu-Calgon.

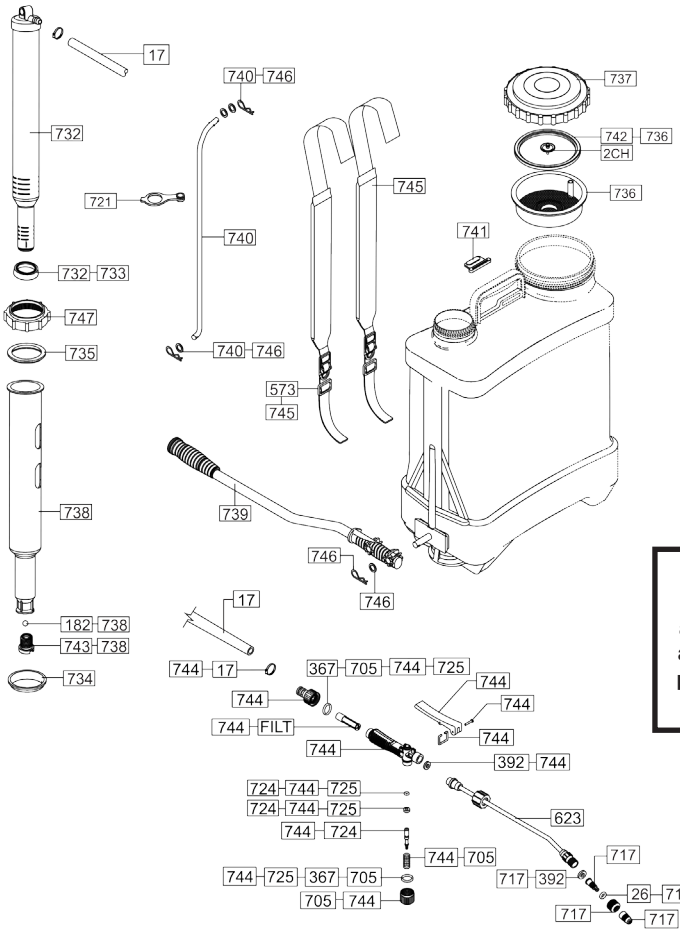
PROBLEM: Tank starts to collapse; cap cannot be unscrewed creating a vacuum.

CAUSE: Vent holes in cap have become clogged.

SOLUTION: Remove cap and with a small wire, unclog the holes. Clean the cap, check valve. Lubricate check valve and reinstall.

Parts List of Nu-Solve NR Sprayer

Kit 2CH	Check valve for lid
Kit 17	Hose with clamps
Kit 26	Nozzle O-Ring
Kit 182	Ball
Kit 367	Gun grip O-ring
Kit 392	Gasket set for nozzle & spray gun
Kit 573	Strap buckles
Kit 623	Fiberglass wand 20.5 inches
Kit 705	Shut-off valve sitting
Kit 717	Plastic adjustable nozzle
Kit 721	Handle locking device
Kit 724	Plastic plunger
Kit 725	Seals set for 808 shut-off valve
Kit 732	Pump tube assy
Kit 733	Piston sleeve
Kit 734	Bushing guide
Kit 735	Gasket
Kit 736	Strainer
Kit 737	Tank lid, red
Kit 738	Pump tube guide assy
Kit 739	Pump handle assy
Kit 740	Pump lever
Kit 741	Strap holders
Kit 742	Strainer gasket
Kit 743	Ball holder nut
Kit 744	Shut-off valve
Kit 745	Economy padded strap
Kit 746	Lock pin and washers
Kit 747	Pump holder nut
Kit FILT	Filter replacement



For specific questions about a sprayer part or a specific on site problem, contact Nu-Calgon.

Nu-Calgon

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