

- No pumping required.
- Pressurize sprayer with water.
- High density translucent polyethylene.
- Has funnel top for easy filling.
- The 2 gallon capacity tank.
- Comes equipped with a 14" brass wand, shut-off, adjustable brass nozzle and a "quick connect" fitting for attaching a water hose.

Principal Uses

The No. 200P sprayer can be used for spraying solutions of CalClean®, Special HD CalClean®, Alka-Brite®, Nu-Brite®, Evap Pow'r-C® or other Nu-Calgon products on air conditioning cooling coils, air cooled condensers, finned heating coils, refrigeration case or cooler coils, permanent air filters and other greasy, dirty surfaces.

Packaging

1 each 4771-2

Operation

1. Inspect sprayer and insure that all attachments are secured.
2. Remove the pump assembly from the tank by turning counterclockwise.
3. Read the label and all instructions for chemicals to be applied. Determine the proper ratio of concentrated chemicals to water and pour enough chemical into the sprayer to yield the amount of spray solution desired. Optimum pressure conditions will be achieved when the full 2-gallon working capacity of the No. 200P is used
4. To close tank by inserting pump assembly through opening. Turn clockwise until pump is sealed tightly into tank. Connect the Quick Connect fitting to the hose from your water source.
5. Turn water "on". Note that water will not flow through the Quick Connect fitting until it is pushed onto the

Sprayers

No. 200P Water Pressurizing Sprayer



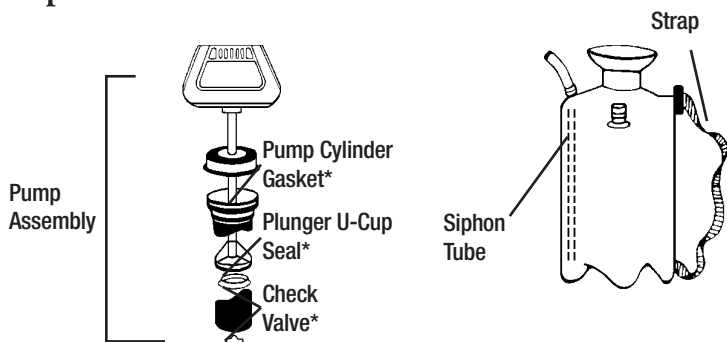
special "red" tank adapter. Make sure the shut-off handle is in the "off" position and the pump is screwed in tightly.

6. Push the Quick Connect fitting onto the "red" tank adapter until it snaps into place. Water will now flow into the tank compressing air trapped inside.
7. When water reaches the desired level in the tank - **DO NOT EXCEED MAXIMUM FILL LINE** - remove the Quick Connect by pulling back on the collar. Once the hose is removed, you are ready to spray. **NOTE:** if you repressurize using a water system you will need to add more chemicals to maintain desired solution concentration.
8. If a pressurized water system is not available, use the pump. When sprayer is filled, about 20 strokes on the pump should supply enough pressure for spraying. More pumping may be needed if tank is only partially filled. As the fluid level goes down, more strokes may be needed. To work the pump, unlock pump handle from pump cap by turning counterclockwise, lock handle again by turning clockwise.

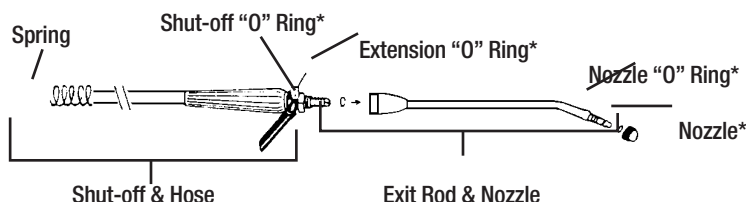
Read and understand the product's label and Material Safety Data Sheet ("MSDS") for precautionary and first aid information.

The MSDS is available on the Nu-Calgon website at www.nucalgon.com or is returnable by U.S. Mail upon request.

Replacement Parts



Description	
Pump Assembly	30P12
Syphon Tube	30P17
Brass shut-off and Hose Assembly	30P03A
Brass Extension Rod and Nozzle	30P05A
Red Quick Connect Tank Adapter	30P05
Quick Connect w/Gasket, O-Ring	30P06
Spare Parts Kit*	30PSP



Troubleshooting

Always depressurize the sprayer, remove chemical solution and clean the sprayer before making repairs. Refer to parts diagram for part numbers and names.

PROBLEM	PROBABLE CAUSE	SOLUTION
Pump works hard or does not pressurize tank.	Plunger cup either not lubricated or damage.	Apply petroleum jelly around outside of plunger cup or plunger o-ring. Check for cracks or other damage and replace if necessary.
Spray solution backs up through pump cylinder.	Check valve on bottom of pump cylinder prevented from sealing by dirt, residue, or damage.	Remove pump cylinder and examine check valve. Clean if dirty, replace if damaged.
Hose leaks at tank connection.	Hose/tank screw connector loose. Hose damaged.	Tighten screw connector-hand tighten only. Cut off damaged section of hose and reassemble with gear clamp, or replace with new hose/flow control assembly.
Shut-off leaks.	Extension o-ring or shut-off o-ring prevented from sealing by dirt or damage. Extension nut not screwed in all the way on brass shut-off control.	Clean and examine o-ring, replace if damaged. Push extension into shut-off until it snaps into place. Then screw extension nut into shut-off control. Hand tighten only.
Bad spray pattern or low spray volume.	Extension or nozzle clogged with dirt or damaged.	Remove nozzle and clean. Remove extension and clean. If extension cannot be unclogged, replace it.
Nozzle leaks when shut-off is closed.	Extension o-ring or flow control o-ring prevented from sealing by dirt or damage. Nozzle is worn.	Clean and examine o-ring, replace if damaged. Replace nozzle cap.
Leak at tank opening.	Pump cylinder not sealed tightly into tank. Residue build-up or dirt around cylinder gasket or o-ring.	Apply grease or petroleum jelly to cylinder gasket, screw in pump cylinder tightly. Thoroughly clean cylinder gasket or o-ring and surrounding area. Apply grease or petroleum jelly to cylinder gasket. Replace with new gasket or o-ring.
Sprayer leaks around Quick Connect tank adapter. Sprayer leaks through water passage hole in Quick Connect.	Tank adapter not screwed in completely. Tank adapter gasket or o-ring prevented from sealing by dirt or damage. Valve prevented from sealing by dirt or foreign object.	Screw in tank adapter tightly. Hand tighten first, then tighten <u>slightly</u> more with wrench. Examine gasket or o-ring. Clean if dirty, replace if damaged. Replace tank adapter.