

# QUALSPRAY™ 1 QUART PRESSURIZED CUPS

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Thank you for your purchase of the **QualSpray QS-32** 1 quart pressurized cup. With proper care and maintenance, your gun should give you years of service and great finishes. Please take a moment to read through these instructions to familiarize yourself with the technical specifications and basic use of this product. Your gun and pot come with a 1 year warranty on parts and labor. (See Warranty at the end of these instructions for exceptions)

## CONTENTS

**Inside the QualSpray QS-32 white carton you should have the following:**

- 1 quart pressure cup with lid, plastic air tube and check valve
- Red regulator assembly
- Instructions

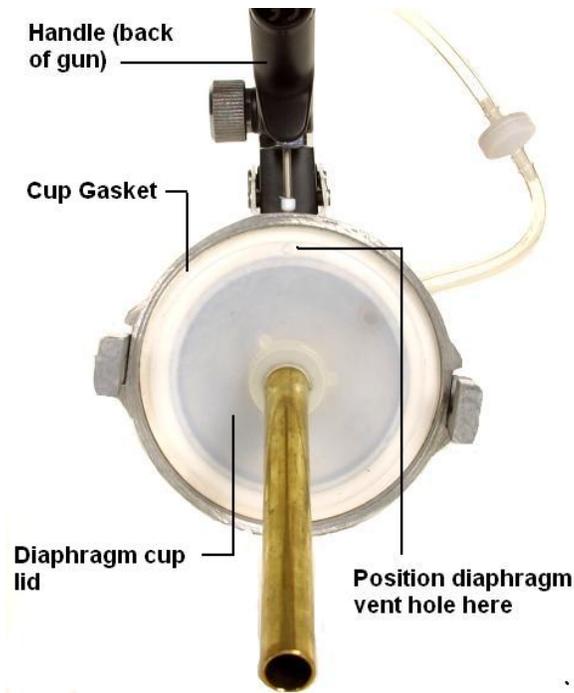
## SETUP AND USE

Attach the 1 quart cup to the gun by screwing the swivel nut (**#1**) onto the fluid inlet of the gun. Orient the gun body so the handle of the gun is opposite the cam lock lever (**#2**) for the cup.

Install the red regulator assembly (**#7, #8, #9, #10, #11, and #12** from the QualSpray Box) to the bottom air inlet of your spray gun. Tighten the swivel nut (**#11**) so the regulator gauge is on the left and the small brass nipple is on the right. **Do not over tighten.** Install the clear plastic air tube that comes off the top of the cup to the brass nipple on the left of the air regulator (**#8**), and put a drop of gun lube on the nipple first. It will make it easier to slide the tube on and make it easier to remove later.

We test the pressure pot before shipping and the controls should be set for use. There may be a small amount of alcohol solvent in the gun. It's important to flush out this solvent if you're spraying oil based or water based finishes. Remove the cup top by pushing the cam lock lever (**#2**) to the side and taking the top assembly off.

**IMPORTANT!** - Make sure the small hole for the white splash guard #14, is oriented towards you when you hold the gun (on the side of the cup top where the brass air nipple #4 is). Otherwise the gun will not pressurize properly when you tip the gun forward to spray flat surfaces



Fill the cup (#3) 3/4 with solvent. For oil based use, spray some mineral spirits, naphtha or lacquer thinner through the gun. For water base, spray water through the gun before using. Install a female 1/4" quick connect that matches your quick coupler of your air hose to the air inlet (#7) of the air regulator you installed earlier and tighten. Turn the cam lock lever to lock it onto the cover.

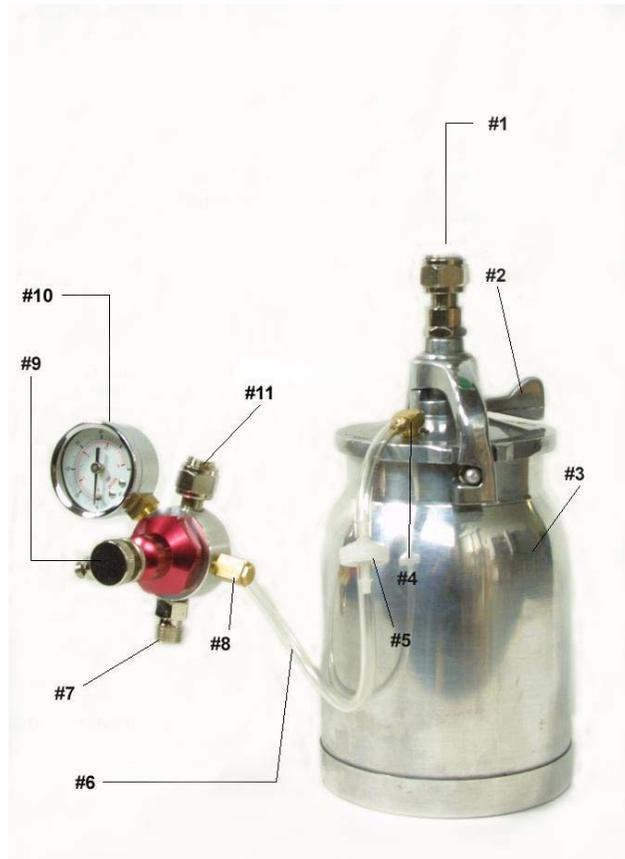
## SETTING AND USING THE CONTROLS

The air from your compressor enters the red regulator assembly and does two things. It flows through the regulator up to the gun to atomize the finish, and a small amount is siphoned off to pressurize the cup. The cup pressure is regulated with the silver knurled knob on the red regulator. It should have a reading from about 5 psi from our test (see photo left) but you can increase the pressure by turning it clockwise. You should operate at 5 psi for most finishes. Increase it for latex or other thick finishes. The higher the psi, the faster the finish will come out of the gun.



Set your compressor pressure to the operating pressure for your gun.

## DESCRIPTION OF PARTS



Position	Part #	Description	Use
#1	QS32-1	Swivel nut	Attaches to gun fluid fitting
#2	QS32-2	Cam lock lever	Tightens cup top to cup
#3	QS32-3	Cup	Holds finish
#4	QS32-4	Brass elbow	Attaches tubing to cup top
#5	QS32-5	Plastic check valve	Allows air to flow only one way
#6	QS32-6	Check valve tubing	Air flow
#7*	QS32-7	Regulator air inlet	Attaches to air supply
#8	QS32-8	Brass elbow	Attaches to check valve tubing
#9*	QS32-9	Pressure control valve	Regulates pot pressure
#10	QS32-10	Regulator gauge	Displays pot pressure
#11*	QS32-11	Swivel fitting	Attaches to gun air inlet
#12*	QS32-12	Safety valve	Releases air above certain pressure
#13	QS32-13	Cup gasket (not shown)	Seals cup lid to cup
#14	QS32-14	Splash guard (not shown)	Keeps finish from brass elbow #8

\* Sold as complete assembly QS 32-15

## MAINTENANCE AND TROUBLESHOOTING

When you're done spraying for the day, clean the pot. To get rid of finish inside the gun, remove the cup top hold the gun body so the siphon tube is over the cup and depress the trigger. This will "back-flush" finish back into the cup. Pour the finish back into its container and then fill the cup with solvent. Shake the gun to move the solvent around and spray the solvent through the gun, and then back-flush the solvent out of the gun as described above. Wipe the inside of the cup top, particularly the white gasket seal (#13) and the splash guard (#14). Its good practice to keep the gasket lubricated. Vaseline works well or the gun lube.

If the gun won't spray there are two reasons. Either the cup is not being pressurized from the red regulator or something is blocking fluid from coming up from the cup and into the gun. The typical culprit for the former is the plastic tube (#6) that runs from the regulator to the cup top. To see if the cup is pressurizing simply remove the cup from the top and hook up the air supply. Make sure you're getting a pressure reading on the regulator of 5 psi or more. If you cannot hear air coming through the top, there's a blockage. Remove the plastic tube from brass nipple on the air regulator. If you have air coming through the regulator, the plastic tube is blocked. Try blowing through the end of the plastic tube. If you can't get air through, there's a blockage within the tube or the brass elbow (#4) where the air comes through the cup top. Check the splash guard under the cup lid (#14) and make sure the small hole isn't blocked. If you still can't get air to go through, the check valve and plastic tube assembly can be replaced. You can remove the brass elbow (#4) and soak it in solvent if necessary. Do not soak the plastic check valve and tubing in solvent. It's normal for check valves to be replaced periodically. Contact us to order.

If the cup leaks around the rim, try moving the splash guard or replacing it.

When fluid is blocked, the likely cause is blockage in the siphon tube. Remove the cup top and run a bristle brush through the siphon tube. You may have to soak it in solvent first. Our **Master Cleaning Kit** has the proper brushes to do this. If the gun sputters, the swivel nut (#1) may need to be tightened.

The safety pressure valve (#12) is factory set to bleed off air automatically if the internal pot pressure gets above a certain pressure. This is factory set and should not be re-adjusted.

If the regulator assembly does not work or works erratically, there may be contaminants inside the housing. Refer to the diagram below for an exploded view.

### PART # QS 32-15 EXPLODED VIEW



Remove the red housing #19 with a wrench or pliers. Take out parts #18, #17, and #16 from the housing #15. Clean the inside of the housing with a Q tip or small piece of clean cloth. Re-assemble in the order as shown in the above picture. The hex nut at the top of #16 diaphragm seats into the left side of spring #17 when re-assembled. Individual parts to the regulator are not available. If damaged, purchase Part # QS 32-15.

## WARRANTY

Your QualSpray pressurized cup is warranted against defects for a period of 1 year for parts and labor. Parts **not covered** are cup gaskets, splash guards, check valves and check valve tubing.

## OPTIONAL ACCESSORIES AVAILABLE:

- Master Spray Gun Maintenance Kit
- Concentrated Gun Cleaner (for removing dried water base finishes)
- Barrel Strainers
- #4 Ford Viscosity Cup
- Mil thickness gauge
- Replacement check valves
- Replacement cup gaskets
- Replacement splash guards

## FOR MORE HELP

Any further questions of technical help should be directed to

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