

QUALSPRAY™ 1 QUART PRESSURIZED CUPS

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Thank you for your purchase of the **QualSpray QS-32D** (dual regulators), 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-32D white carton you should have the following:

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

In the cardboard box:

- Dual Regulator assembly

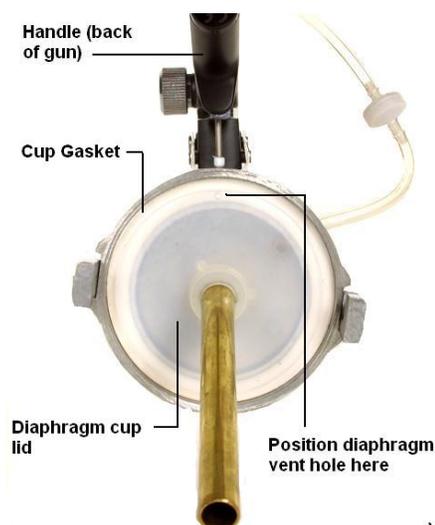
SETUP AND USE

Attach the 1 quart cup to the gun by screwing the swivel nut onto the fluid inlet of the gun. Orient the gun body so the handle of the gun is opposite the cam lock lever for the cup. Leave the cup (#9) off for now.

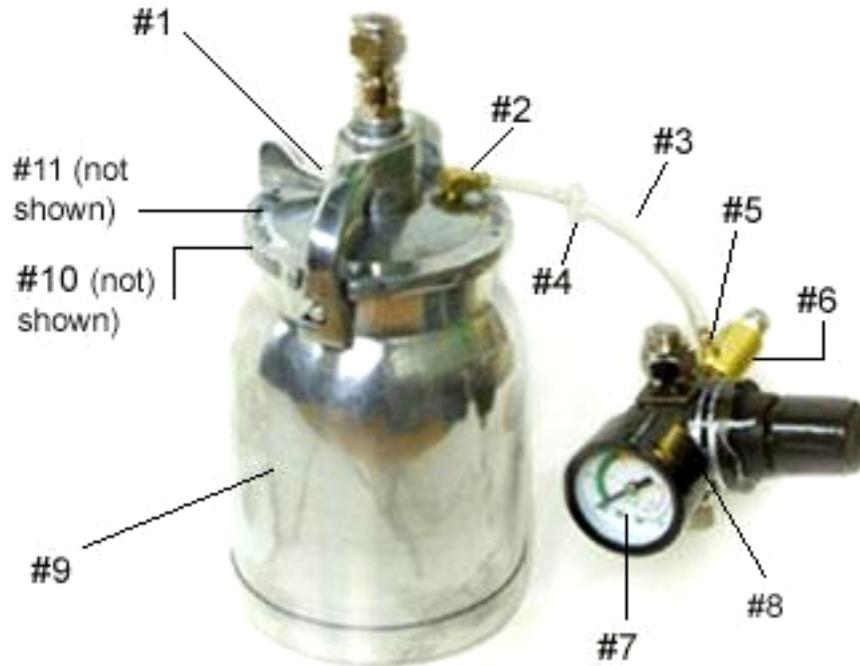
Install the regulator assembly (#5, #6, #7, and #8) from the cardboard box) to the bottom air inlet of your spray gun. Tighten the swivel nut so the brass cup regulator (#6) is on the right. **Do not over tighten.** Install the clear plastic air tube that comes off the top of the cup to the brass nipple on the left of the air regulator (#5). 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.

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. See below.

Figure 1



DESCRIPTION OF PARTS



| Position | Part # | Description | Use |
|----------|----------|--|--|
| #1 | QS32D-1 | Cup Top assembly | Locks Top to Cup |
| #2 | QS32D-2 | Brass elbow | Attaches tubing to cup top |
| #3 | QS32D-3 | Check Valve Tubing | Air flow to cup |
| #4 | QS32D-4 | Check Valve | Allows air to flow only one way |
| #5 | QS32D-5 | Brass nipple 1/8" | Attaches tubing to regulator |
| #6 | QS32D-6 | Regulator assembly | Regulates air to pressurize cup |
| #7 | QS32D-7 | Regulator gauge | Displays atomizing pressure to gun |
| #8 | QS32D-8 | Air regulator assembly | Regulates atomizing pressure to gun |
| #9 | QS32D-9 | Cup | Holds finish |
| #10 | QS32D-10 | Diaphragm cup lid (not shown in diagram. See Figure 1) | Prevents finish from entering check valve assembly |
| #11 | QS32D-11 | Cup Gasket (not shown in diagram. See Figure 1) | Seals cup lid to cup |

SETTING AND USING THE CONTROLS

Install a ¼" quick connect to the air inlet at the bottom of the black regulator assembly and hook up an air line. Set your compressor regulator to the setting you use to operate your gun. The pressure from your compressor enters the dual 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 gun atomizing pressure must be set first. This is regulated with the large black knob on the black regulator (#8). Depress your gun trigger and set the pressure that's correct for your gun. Pull the knob out to unlock it. Once this pressure is set, you set the cup pressure with the brass regulator (#6). It should already be set correctly from our test, but play with it by turning it clockwise and counter-clockwise. You'll hear the air pressure increase as it exits the top of the cup. (Provided the cup isn't attached).

Fill the cup (#9) 3/4 full 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. Turn the cam lock lever to lock it onto the cover. The gun should now spray. If it doesn't try turning the cup pressure regulator (#6) clockwise to increase the pressure in the cup. Thin finishes like lacquer, stains and shellac require less pressure than latex or other thick finishes. The higher the psi, the faster the finish will come out of the gun.

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. Wipe the inside of the cup top, particularly the white gasket seal (#11) and the splash guard (#10). Its good practice to keep the gasket lubricated. Vaseline works well or gun lube.

If the gun won't pressurize the check valve assembly (#3, #4) isn't letting air through. To see if the cup is pressurizing simply remove the cup from the top and hook up the air supply. If you cannot hear air coming through the top, there's a blockage. Remove the plastic tube from brass nipple (#5) on the cup pressure 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 (#2) 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.

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:

- **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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