DRIVING SURFACE PERFECTION™

CUSTOM CAN PNEUMATIC AEROSOL FILLING MACHINE

FAQS

1	Do I need to securely fasten the Custom Can Pneumatic Filling Machine?	Yes. The machine is top heavy, so for safe filling you should first bolt the machine to the surface. 2 x 8.8mm bolts are provided to secure the machine. If you need installation help, contact your local U-POL Technical Sales Representative.
2	How tight should the adjustable platform be to the aerosol can?	The adjustable platform is a safety mechanism to support the base of the can during filling and to avoid ejection of the can from a loose-fitting support cup. Once the aerosol has been put into the machine, rotate it until it just touches the can. Do not tighten or else the filling cylinder will not be aligned properly with the piston. The can should be centered on the platform.
3	How do I know how much paint to put into the cup?	There is a 100ml fill line on the outside of the cylinder. We found that about 1/8" below the beveled edge was the right level. You can fill by weight using the s.g. of the paint (on the paint manufacturer's literature or mixing software).
4	How do I find out the s.g. of my paint?	The s.g. (specific gravity) is the density of the product. The paint provider should be able to tell you the s.g. of the product they supply. This will vary by color, so if you use a mixing scheme you should be able to find the s.g. on the software.
5	How do I calculate the mass of 100ml of my paint?	First find the s.g. (see Q2). Next multiply this by 100, so if the s.g. is 0.971, the mass you need is 97.1g.

U-POL US Inc., 108 Commerce Way, Stockertown, Pennsylvania 18083
Tel: (610) 746-7081 Fax: (610) 743-865
E: sales-us@u-pol.com W: www.u-pol.com

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6	The color match is not accurate. I think the dark colors are staining the piston and cup.	Some strong colors like black, blue, and red will need more thorough cleaning between runs. Always clean the parts thoroughly with cleaning solvent compatible with your paint system. The piston may be unscrewed to make cleaning easier. Don't soak the parts in solvent for long periods or the plastic may deform, affecting the performance of the machine.
7	What PSI should I set the air pressure with the Custom Can Pneumatic Filling Machine?	100 PSI is the recommended setting, but the machine works best between 72 and 130 PSI. You can see the PSI on the dial on the side of the machine. You will notice a slight drop in pressure as the machine fills an aerosol, so adjust your air pressure to make sure the air pressures stay above 72 PSI.
8	Why doesn't the piston move when I push the play button?	Check that the air connection has at least 72 PSI on the pressure gauge. The door has a safety mechanism, so the door must be fully shut for the machine to operate. If the door is out of alignment, then the safety mechanism will not switch off. Try adjusting the pin on the door upwards very slightly. Push the play button and hold down until the piston has finished moving. Releasing the play button will return the piston back to the top position.
9	Why is the paint spilling over the top of the piston and not going into the can?	The piston must have a snug fit in the cup to create an airtight seal for correct filling. You may have a worn-out piston. This part can easily be replaced, so contact your local U-POL Technical Sales Representative for a new one.

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10	How do I stop paint dripping out of the bottom of the filling cylinder?	Paint should only be added when the cylinder is securely attached to the aerosol can. Firmly push the cylinder into the valve, and then twist 90° to be sure of the fitting. Over time the plastic base to the cylinder can become worn. This part can easily be replaced, so contact your local U-POL Technical Sales Representative for a new one.
11	How do I clear the paint out of the valve?	First, use proper PPE and work in a well-ventilated area. This is important as a blocked valve or actuator will stop you being able to use the aerosol. For best practice before you fill an aerosol, turn the can upside-down and spray for a short time to clear the valve. Once the aerosol is filled, there will be some paint remaining in the valve. You have 2 options to clear this. 1. Carefully replace the actuator and turn upside-down. Spray to clear the valve (we use a scrap piece of cardboard to catch the paint). 2. Purchase a purging tool which fits into the valve like a reusable actuator and allows you to collect liquid waste from clearing multiple valves. Contact your local U-POL Technical Sales Representative for the purging tool.
12	What cleaning solvents are best to use?	The best cleaning solvent will depend on your paint: Water based – manufacturer's basecoat reducer, gun wash, butyl glycol, water, Isopropyl Alcohol(IPA), or acetone. Solvent based – paint reducer, System 20 reducers, gun wash

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