SERVICE MANUAL

PRESSURE CUP
2 QUART

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Dear customer,

We thank you very much for purchasing our 668-200-000 2 ½ QT Pressure Cup. You are the owner of one of the most reliable pressure cups available on the market.

To get the best result, safe and efficient operation of your equipment, we advise you to read and make yourself familiar with this instruction and service manual. Indeed, the non compliance with instructions and precautions stated in this manual could reduce the equipment working life, result in operating trouble and create unsafe conditions.

1- TECHNICAL FEATURES

- Maximum air pressure 50 Psi
- Relief valve setting 50 Psi
- Air inlet ¼ N.P.S
- Air outlet ¼ N.P.S
- Product outlet 3/8 N.P.S
- Material in contact with the product : aluminum, brass

2- OPERATING INSTRUCTIONS

YOU SHOULD ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT WHEN USING SPRAY EQUIPMENT OR AIR TOOLS OF ANY KIND.

Handi-Grip pressure cup – Assembly Instructions

The 668-222-000 series cups are packed in the best manner in order to prevent damage in transit. Some components may be disassembled and packed separately in the shipping box.

For tank with regulator: Pressure regulator controls amount of paint to spray gun. Regulators may have 3 or 4 ports. Regulators with 4 ports have one indicated as air “IN”. The rest are air “OUT”. Gauge is pre-assembled to one “OUT” port. Mount regulator assembly to tank lid so that hose couplings- one “IN” and one “OUT”- are opposite to each other. Attach hose from compressor to “IN” fitting. Attach hose for spray gun at opposite end.

Regulators with 3 ports have one marked “IN” and two marked “OUT”. Install gauge to either “OUT” port. Install center leg of “T” fitting to “IN” port. Screw long side of union into remaining “OUT” port. Mount regulator assembly to coupling at point on lid marked “Air”. Attach hose from compressor to one end of “T”. Attach air hose to spray gun at handle.

Material hose should be same length as air hose. Attach one end of material hose to brass fitting on lid. Attach other end to material fitting on spray gun. If gun supplied has cup attached: cup, cup cover and pickup tube must be removed.

Install ladder hook/handle into hole at center of lid. Spin jam nut down against boss to secure location.

Important – Before starting compressor, turn regulator knob to off position. Start compressor; turn regulator knob to adjust pressure. Consult the spray gun owner’s manual for proper pressure. DO NOT SET TANK PRESSURE TO EXCEED 50 PSI.

For tanks without regulators, air from compressor is delivered to spray gun and tank at the same pressure. If pressure can exceed 50 PSI, a regulator will be required at the compressor or air source. Once spraying has begun, regulate air at compressor for best atomization.

When work is stopped for refill and/or completion, turn regulator knob to off position to shut off airflow to tank. Turn compressor off. Pull relief valve ring to deplete air pressure to zero before loosening tank lid.

3. PREPARING TANK FOR APPLICATION OF MATERIAL:

See that canister is clean and free from grit, particles, or other foreign matter that would cause trouble if it were to enter flow of material into spray gun. Mix material to uniform consistency. Follow directions of material manufacturer to thin as needed. As a guide for determining viscosity of material, obtain a viscometer (or viscosity test cup) from dealer or factory.
Using a cheesecloth or fine mesh, pour material into canister. Leave at least two inches from top to avoid any tipover. This is important in order to prevent material from entering regulator, relief valve or airline and clogging gun or hose. To eliminate risk of particles clogging spray gun, we recommend use of a strainer. Strainers can be purchased from dealer or factory upon request. The gasket furnished with this unit is resistant to most paints and lacquers. As materials and solvents change, it is important to keep updated on recommended gaskets for better performance.

4. RECOMMENDED TANK PRESSURES :

Always start with pressure in tank at “zero” and increase pressure gradually until desired Spray pattern is obtained.

5. CLEANING INSTRUCTIONS :

The spray gun used must be thoroughly cleaned immediately after use since materials dry quickly in nozzle passages. Clean with same material used to thin. Keep the container clean, and when finished spraying for the day, disconnect hose from gun and tank. Flush out the hose with thinner and hang it up, uncoiled ends pointed downward so all thinner can quickly drain out. If spray nozzle clogs when starting a job and the material is clean, check for dried particles in material hose.

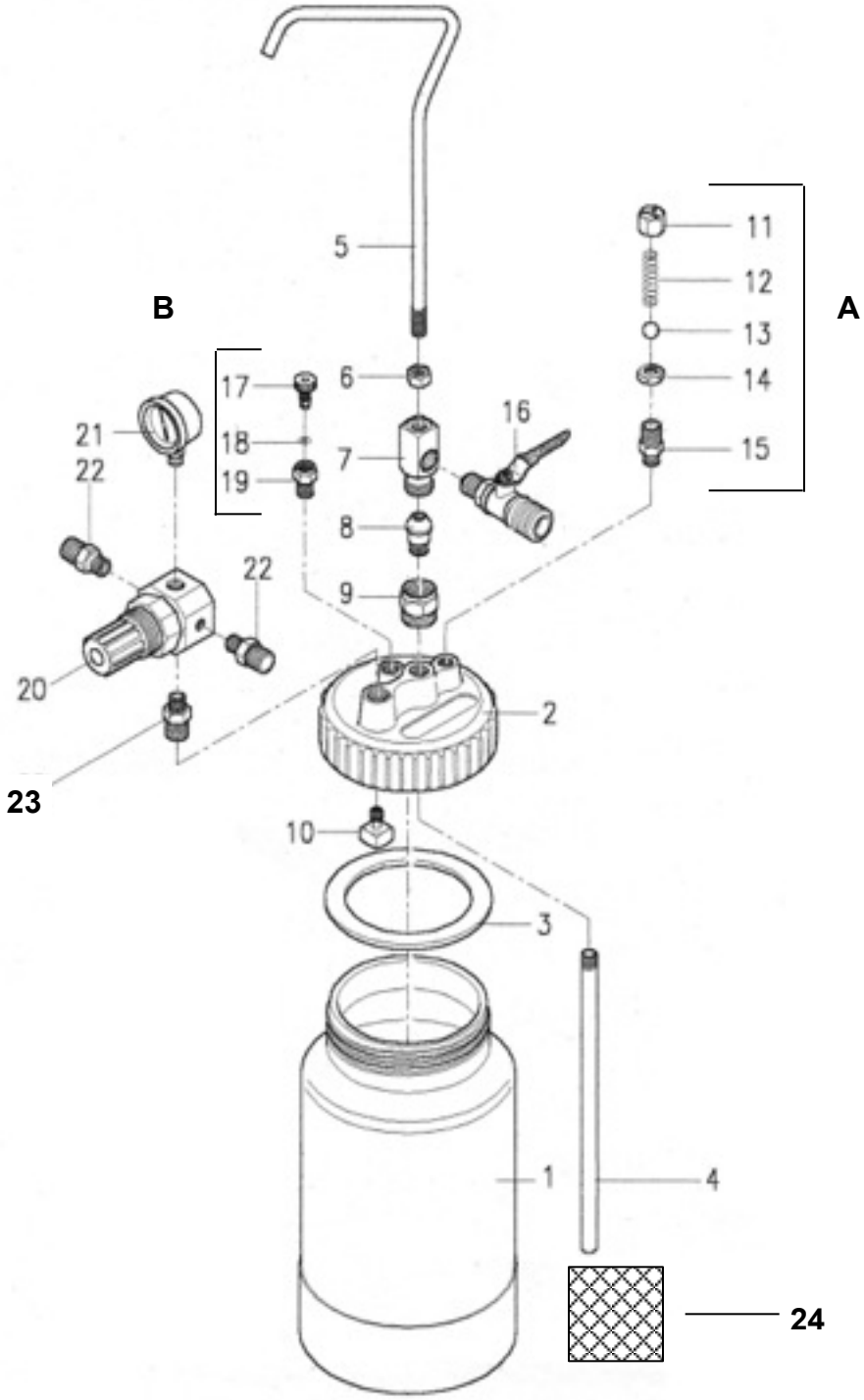
When a good stream of air at the spray gun nozzle is achieved, examine all connections to see that they are tight. Also check that gasket is in good condition and is seated correctly in lid.

Remember tank lid must be tightened properly in order to pressurize canister. Do not overtighten. Excessive tightening may cause damage to gasket.

IMPORTANT – This unit is equipped with a relief valve and should not exceed pressures over 50 PSI. It is important to keep relief valve clean and in working order. If material comes in contact with relief valve, remove relief valve assembly and thoroughly clean.

6. TROUBLESHOOTING CHART :

Trouble	Solution
Paint does not come out of nozzle	1. Check air input / turn regulator up 2. Check hose for blockage
Air leaks from cup	Replace gasket
Finish is not smooth, runs or sags	Check viscosity of paint : may be too thick or thin
Cannot remove threaded ring on lid	Soak with thinner until free, keep threads clean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Item #	Part #	Description	Quantity
1	668-222-055	Cup	1
2	668-222-056	Lid	1
3	668-222-030	Gasket	1
4	668-222-057	Fluid tube	1
5	668-222-058	Handle	1
6	668-222-059	Nut	1
7	668-222-041	Material outlet adapter	1
8	668-222-042	Barb, threaded	1
9	668-222-043	Nut, barb	1
10	668-222-080	Air flow guide	1
A	668-222-096	Safety release valve	1
11	NSS	Cap	1
12	NSS	Spring	1
13	NSS	Ball	1
14	NSS	Nut	1
15	NSS	Adapter	1
16	668-222-046	Ball valve	1
B	668-222-097	Pressure release valve	1
17	NSS	Release valve needle	1
18	NSS	O-ring	1
19	NSS	Adapter	1
20	668-222-077	Air regulator	1
21	668-222-078	Pressure gauge	1
22	668-222-079	Fitting	3
23	668-222-100	Fitting	1
24	138-310-300	Screen, Pk of 4*	1

*Optional