

MODEL 7004 2-QUART PRESSURE CUP

311417C

DESCRIPTION



Important Safety Instructions

Read all warnings and instructions in this manual. Save these instructions.

The Model 7004 2-quart pressure cup is designed to be used with any pressure feed manual spray gun where more than one quart of material is to be used. Pressure cups will provide a better degree of control over atomizing air and fluid pressure than siphon feed equipment. The Model 7004 will enable you to spray a wider range of refinish materials and has a full 2-quart capacity when needed.

SPECIFICATIONS

Max. regulated cup pressure (fluid pressure)	50 psi
Max. air inlet pressure	160 psi
Relief valve release	40 psi
Weight (empty)	3 lbs 3 oz

Hose connections:

Air 1/4 in. NPS (M)

Fluid 3/8 in. NPS (M)

Regulator Assembly: Controls pressure of material in cup 0-50 psi.

Pressure Release Valve: Manual operation, allows air pressure to bleed from cup.

Warning

Never tamper with the relief valve. The relief valve limits the maximum air pressure entering the cup. If the relief valve does not work properly, over-pressurization may occur and cause the cup to rupture or explode.



**MODEL 7004
2-QUART PRESSURE CUP**

Warning

**Risk of injury or equipment damage.
Air pressure in the cup never to exceed 50 PSI.**

2-QUART PRESSURE CUP

Warning

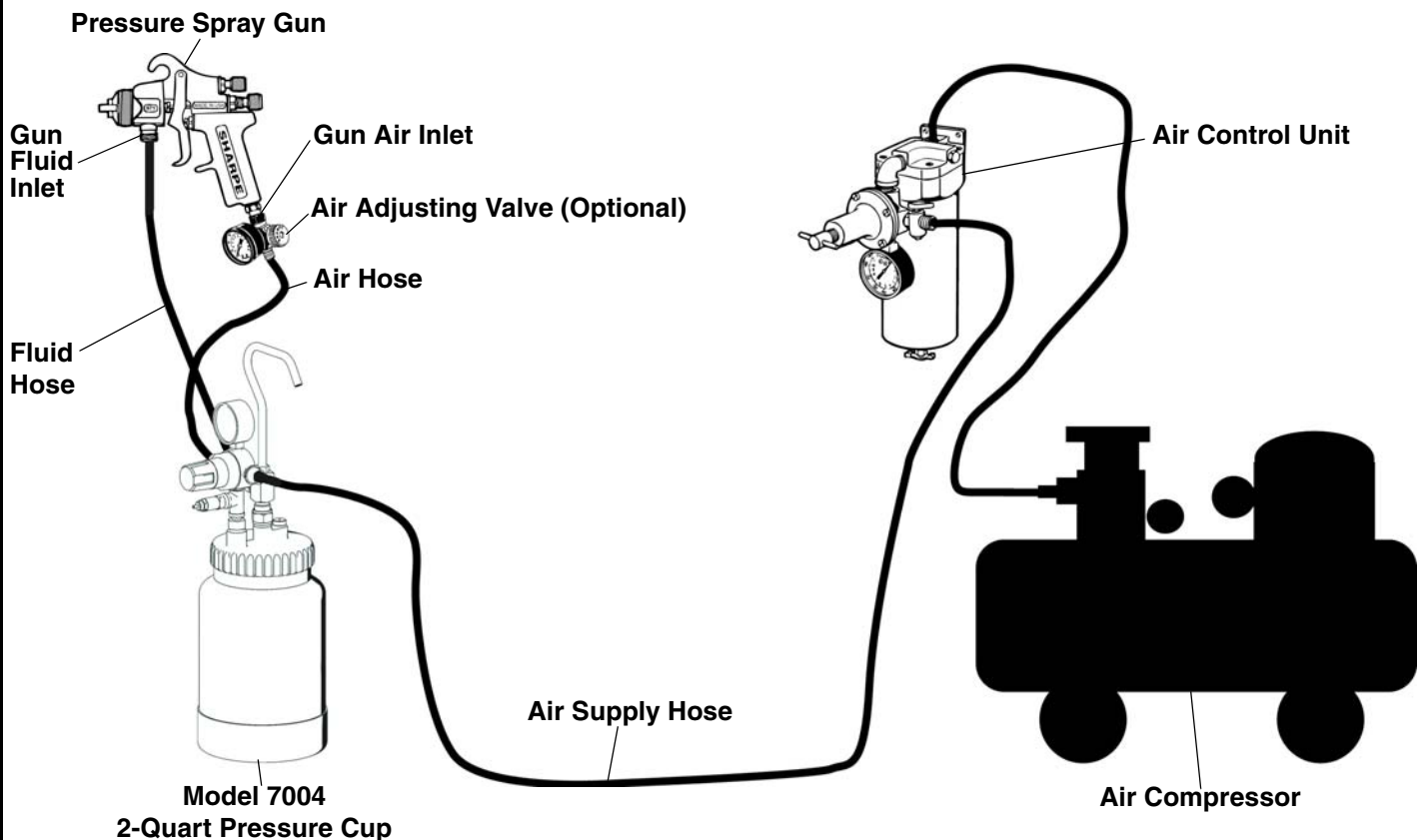
Risk of injury or equipment damage. Always disconnect cup assembly from air supply and release pressure in cup (open release valve counter-clockwise) before installing or removing the canister from the lid assembly.

SET-UP FOR SPRAYING

1. Connect air hose to air inlet of gun and to air outlet on cup regulator as shown.
2. Connect fluid hose to fluid inlet of gun and to cup fluid outlet as shown.
3. Connect handle to top of cup as shown.
4. It is best for the air supply line to pass through a SHARPE Air Control Unit to filter dirt from the air and extract water and oil. Connect the air supply hose to the air inlet fitting on cup regulator.

Note: Follow the manufacturer's directions for the mixing and preparation of material. Strain material using a fine mesh screen in order to prevent the entry of foreign matter and the clogging of fluid passageways.

Refer to figure below for a typical assembly.

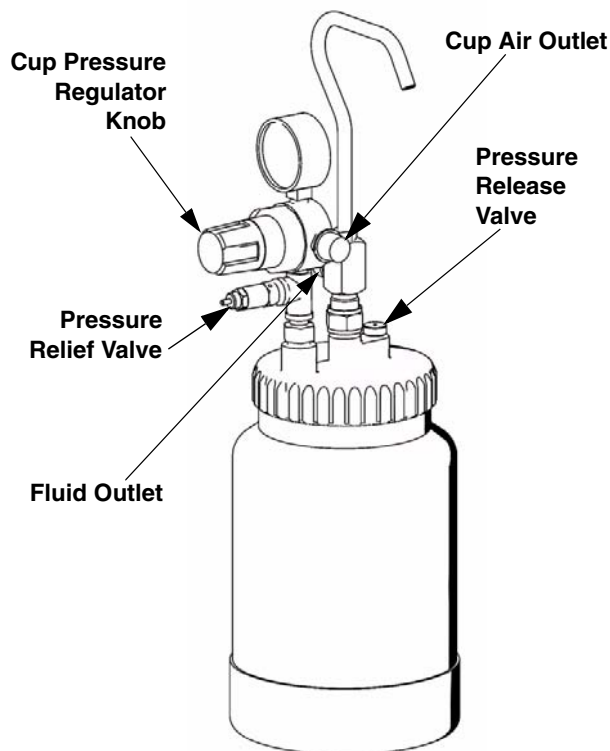


2-QUART PRESSURE CUP

OPERATION

1. Pull out regulator knob and turn fully counter-clockwise. Open release valve on cup lid (counter-clockwise).
2. Open lid and fill cup with desired sprayable material.
3. Close lid and seal by turning clockwise hand-tight.
4. Close release valve on cup lid hand-tight turning clockwise.
5. Set wall-mounted regulator (not supplied) to desired PSI (this is your atomizing air).
6. Slowly turn the cup regulator knob clockwise while pulling the gun trigger fully back to commence material flow. Continue clockwise until desired material flow is achieved. Push in regulator knob to lock. **Maximum cup pressure is 50 PSI.**
7. To decrease paint flow, pull out regulator knob and turn counter-clockwise to lower cup pressure. Open the release valve to bleed off excess pressure. Reseal release valve. Repeat step 6. The cup lid has a check valve that prevents the cup from losing pressure until the release valve is opened.
8. Atomizing air for the spray gun can be adjusted at the gun by means of an air adjusting valve on the spray gun.

Note: To achieve desired cup pressure you must always start at a lower pressure and adjust up to the desired setting.



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MAINTENANCE

Cleaning your cup.

1. After relieving cup pressure and turning cup pressure regulator to the full "off" position (counter-clockwise), open cup lid by turning counter-clockwise.
2. Pour out any remaining material and add a compatible solvent.
3. Repeat steps 3, 4, and 6 in **OPERATION** section above and spray until clean solvent appears. Cup and gun material passages should be clean now.
4. Depressurize cup (**OPERATION** step 1) and empty remaining solvent from cup and wipe clean with a solvent soaked cloth.

CAUTION: Never clean your Model 7004 in a gun washer. The safety valve, regulator body and gauge will be damaged by use in a gun washer. The canister only can be cleaned in a gun washer.

Warning

Paint can erupt from the cup due to rapid depressurization. Never open the cup prior to turning cup pressure regulator knob to the full "off" position (counter-clockwise) and relieving cup pressure by opening (counter-clockwise) release valve.

TROUBLE SHOOTING

CONDITION	CAUSE	CORRECTION
Excess pressure in cup.	Leak at regulator valve assy. Gauge registering wrong. Relief valve setting too high. Valve spring broken or distorted. Diaphragm damaged.	Replace. Replace. Replace. Replace. Replace.
Insufficient pressure in cup.	Check valve stuck shut. Relief valve setting too low. Gauge registering incorrectly. Leak at cup lid threads. Pressure release valve partially open.	Clean or Replace. Replace. Replace. Tighten cup or replace gasket. Tighten.

2-QUART PRESSURE CUP

MODEL 7004 PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1	8215	FLUID PRESSURE GAUGE
2	9985	FLUID PRESSURE REGULATOR
3	U42000	FLUID TUBE
4	U42001	CUP LID
4a	120122	LID FITTING
5	U42002	LID GASKET (pkg of 5)
6	U42003	VALVE/FITTING KIT
6a		CHECK VALVE ASSEMBLY
6b		PRESSURE RELIEF VALVE
6c		PRESSURE RELEASE VALVE
6d		INLET FITTING
6e		TEE FITTING
7	U42005	CUP HANDLE/NUT/ FLUID OUTLET
8	U42004	2-QUART CANISTER
9	9993	NIPPLE - 1/4 in.

FLUID PRESSURE REGULATOR PART NO. 9985

