Instructions/Parts

MODEL 7003
2-QUART PRESSURE CUP

310599E

Important Safety Instructions
Read all warnings and instructions in this manual. Save these instructions.

DESCRIPTION

The Model 7003 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 7003 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
Safety valve release	50 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 Relief Valve: Manual operation, allows air pressure to bleed from cup.

WARNING

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

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Warning

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

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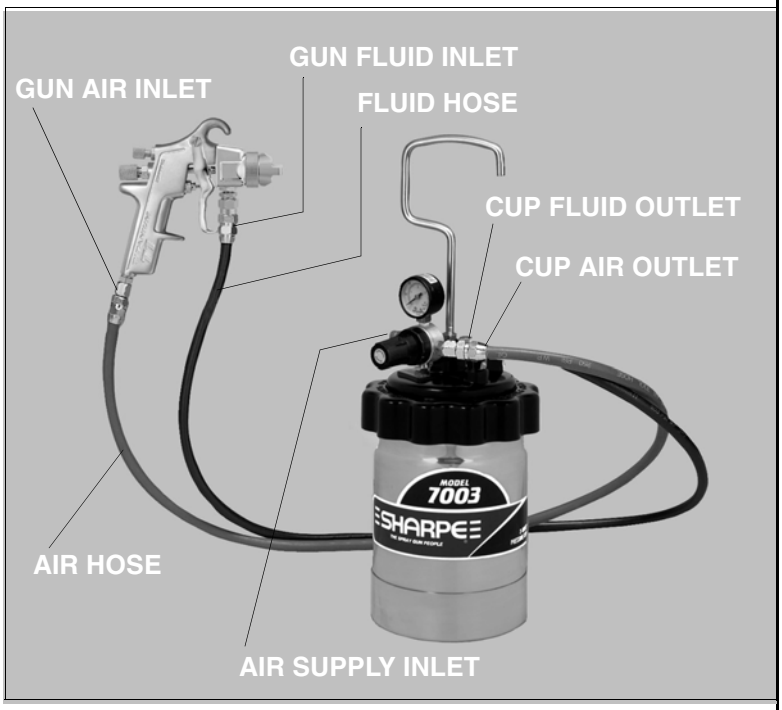
WARNING

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

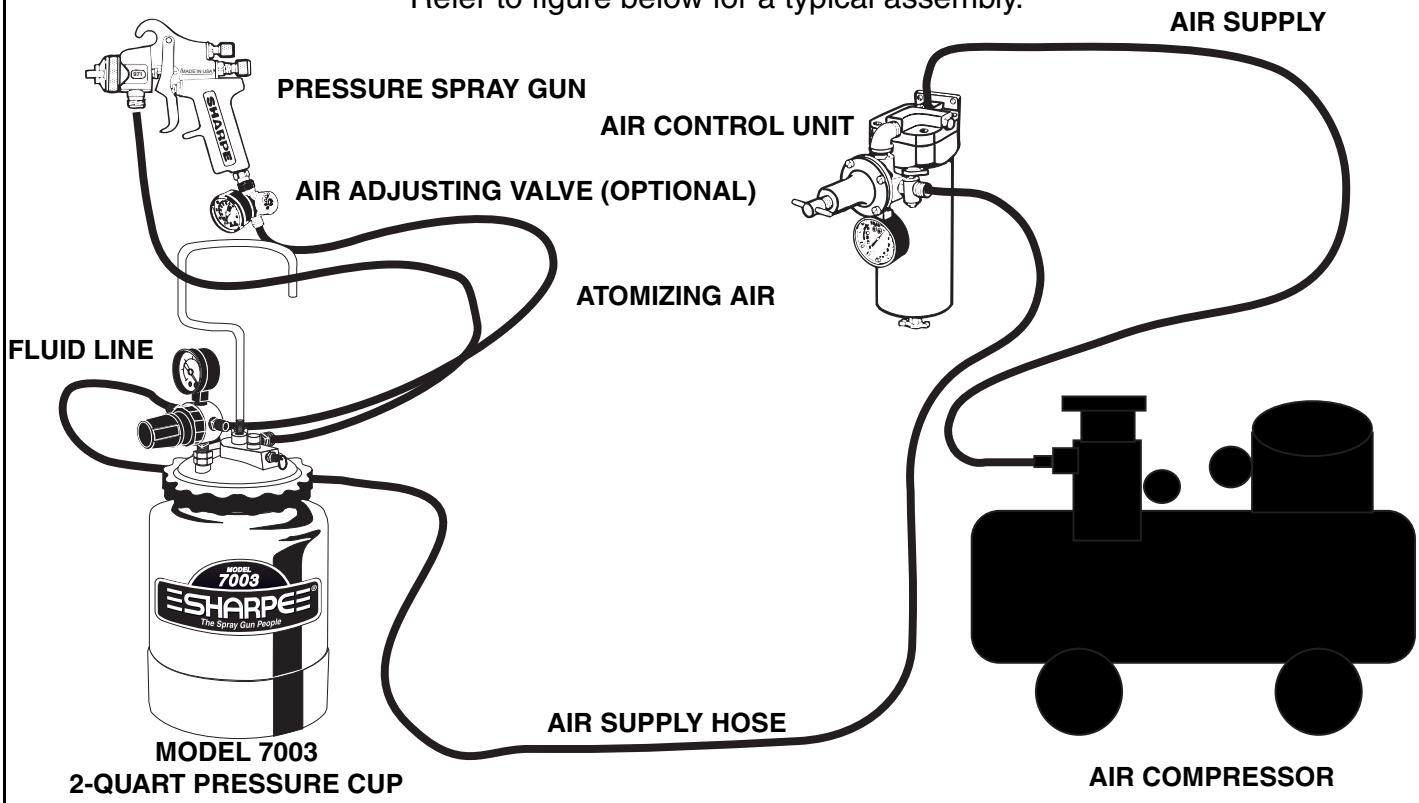
SET-UP FOR SPRAYING

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.



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.

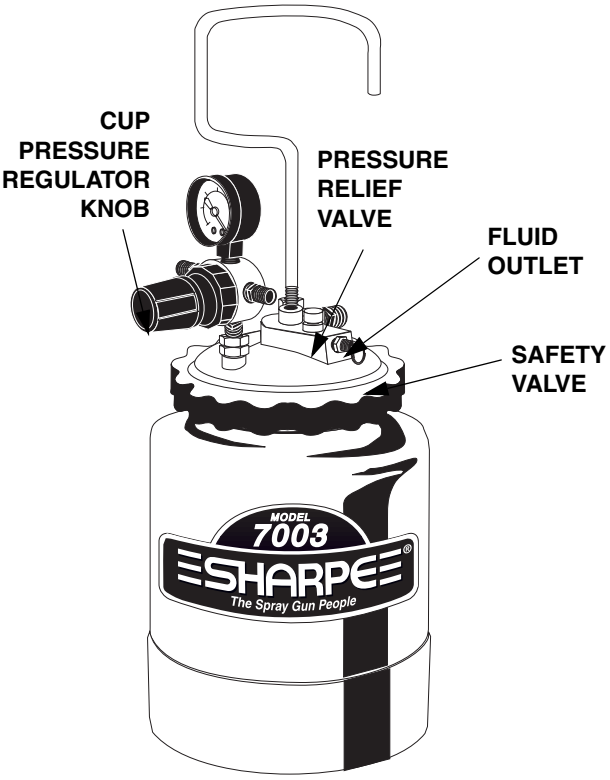
Refer to figure below for a typical assembly.



OPERATION

1. Pull out regulator knob and turn fully counter-clockwise. Open relief 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 relief 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 relief valve to bleed off excess pressure. Reseal relief valve. Repeat step 6. The cup lid has a check valve that prevents the cup from losing pressure until the relief 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.



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 7003 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) relief valve.

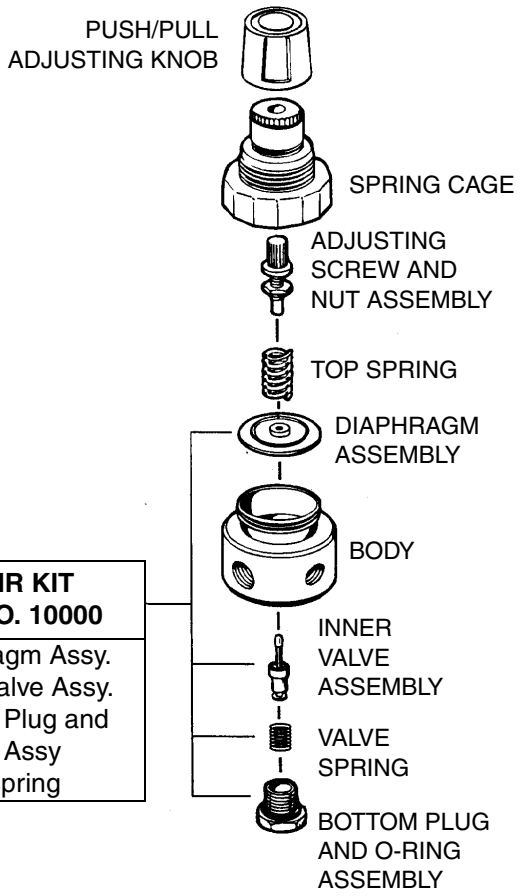
TROUBLESHOOTING

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

MODEL 7003 PARTS LIST

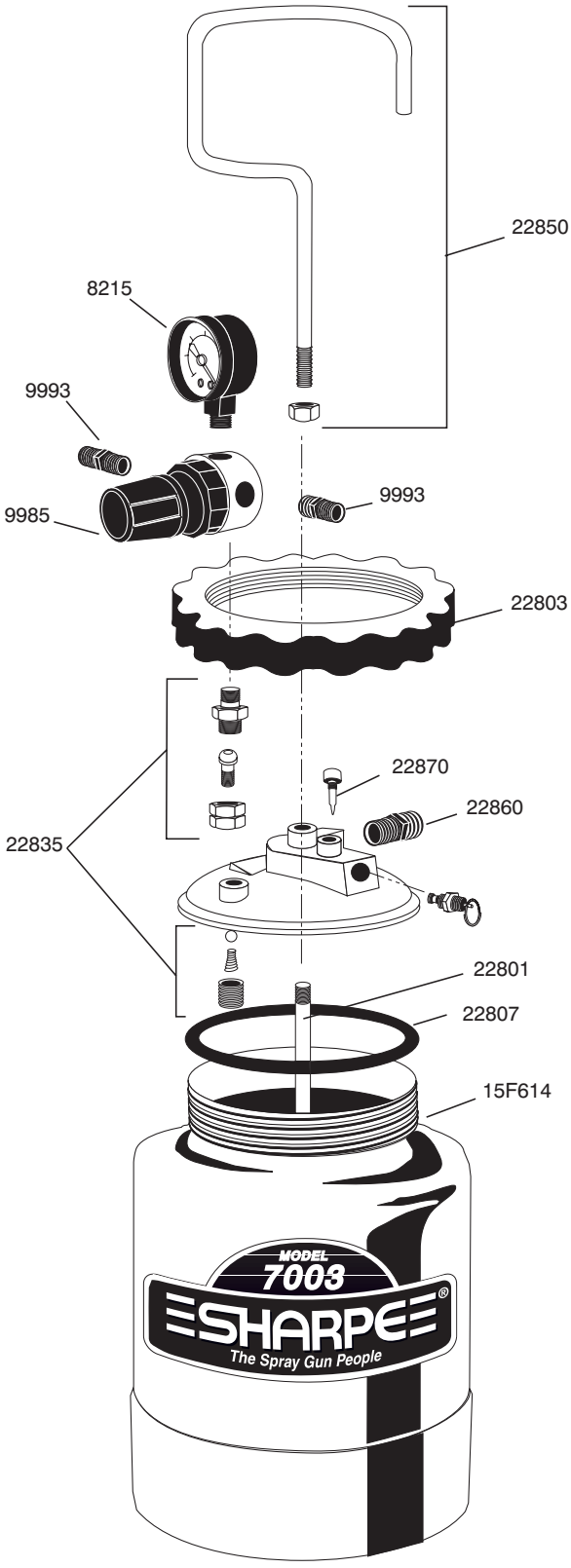
PART NO.	DESCRIPTION
8215	FLUID PRESSURE GAUGE
9985	FLUID PRESSURE REGULATOR
9993	NIPPLE - 1/4 in.
22801	FLUID TUBE
22802	CUP LID
22803	CUP RING
22807	LID GASKET
22835	CHECK VALVE ASSEMBLY
22850	CUP HANDLE/NUT
22860	FLUID INLET
22870	PRESSURE RELIEF VALVE
15F614	2-QUART CANISTER

FLUID PRESSURE REGULATOR
PART NO. 9985



REPAIR KIT
PART NO. 10000

- Diaphragm Assy.
- Inner Valve Assy.
- Bottom Plug and O-Ring Assy
- Valve Spring



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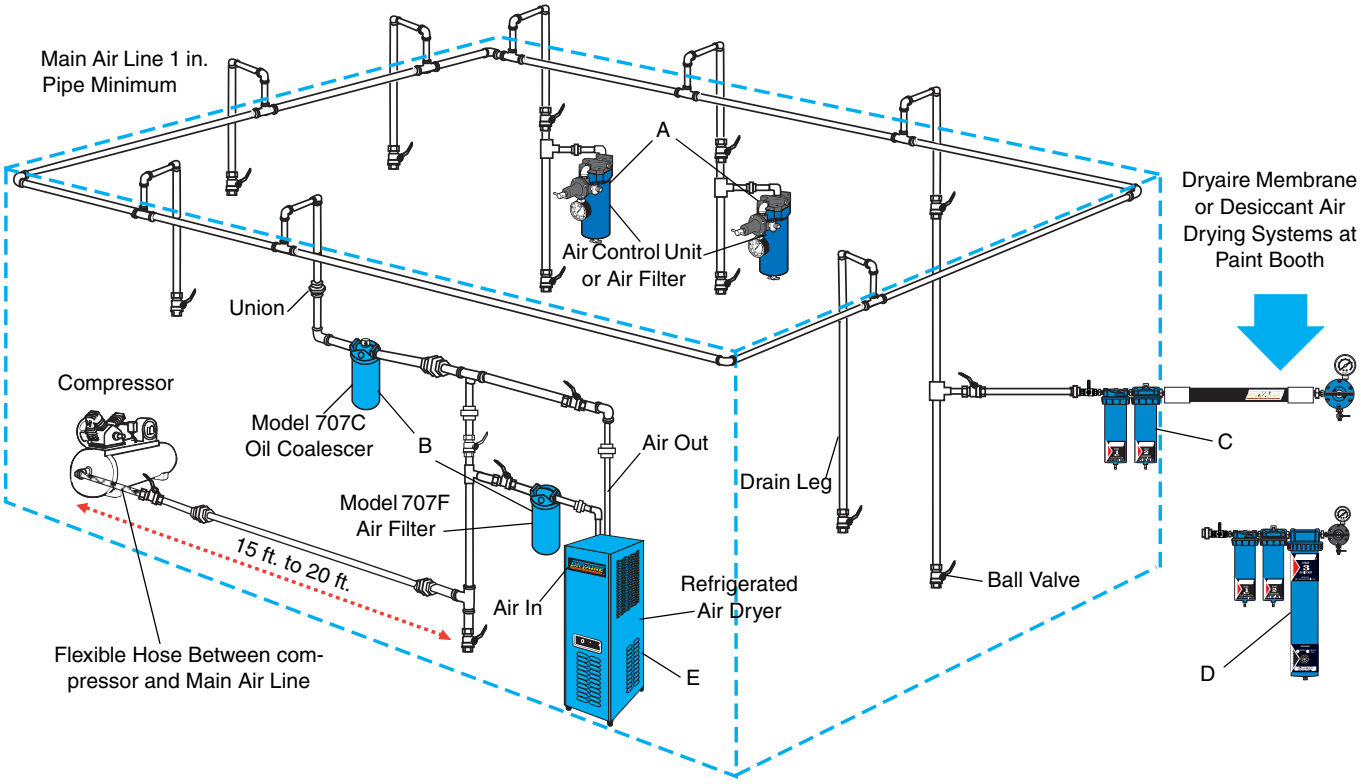

Ref. Letter	Description	Model No.
A	Sharpe 606	U06710
	Sharpe 606A	U06720
	Sharpe 606B	6730
	Sharpe 880A	6950
	Sharpe F88	8130
B	707C	6930
	707F	6920
	707FC	6910
C	Dryaire Membrane	6770
D	Dryaire Desiccant	6760
E	Refrigerated Air Dryer	
	25CFM	6880
	35CFM	6885
	50CFM	6890
	75CFM	6895

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