




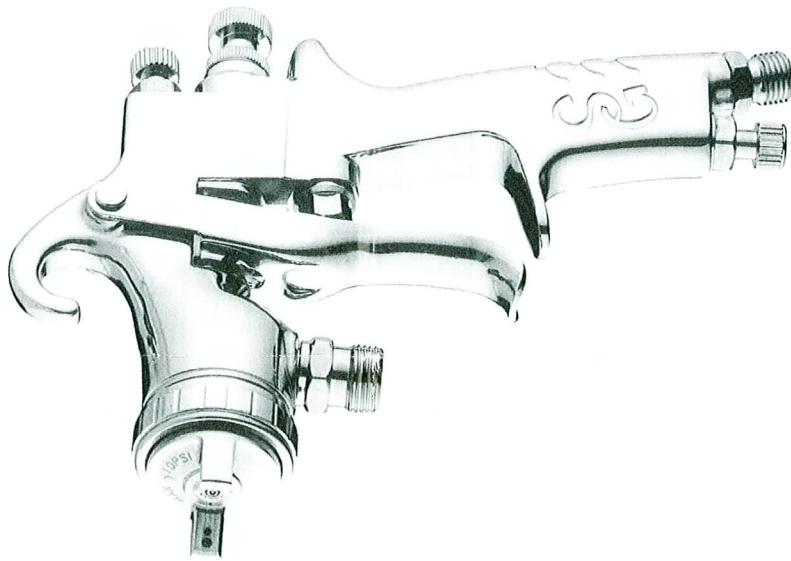


Trouble shooting spray gun test patterns

FORM	CAUSE	CORRECTION
 RIGHT	Correct normal pattern	No correction necessary
 WRONG Heavy top or bottom pattern	<ol style="list-style-type: none"> 1. Dirty or damaged air cap 2. Dirty or damaged fluid tip 	<ol style="list-style-type: none"> 1. Rotate air cap 180°. A. If pattern following air cap problem is in air cap. Clean and inspect. If pattern is not corrected, replacement is necessary. B. If pattern doesn't follow the air cap, the problem is with the fluid tip. Clean and inspect the tip for dried paint, dirt or damage. If the pattern is not corrected, replacement is necessary.
 WRONG Split pattern	Pressure too high for material viscosity being sprayed.	<ol style="list-style-type: none"> 1. Reduce air pressure. 2. Increase material viscosity. 3. Pattern may also be corrected by narrowing fan size with spray width adjuster control knob.
 WRONG	<ol style="list-style-type: none"> 1. Dirty or distorted air horn holes. 2. One of the air horn holes completely obstructed. 	<p>Rotate air cap 180°.</p> <p>If pattern follows air cap, the problem is in air cap. Clean and inspect the horn holes. If horn holes are distorted, replacement is necessary.</p>
 WRONG Gun splinting	<p>Air getting into paint stream somewhere.</p> <p>Example: Same symptoms as a cup running out paint.</p>	<ol style="list-style-type: none"> 1. Check and tighten fluid needle packing nut. 2. Tighten fluid tip. 3. Check fluid tip seat for damage. 4. Check for poor gun to cup seating. 5. Check that cup is correctly fastened on the gun.
AIR BACK PRESSURING INTO CUP	Excessive air blowing back into cup.	<ol style="list-style-type: none"> 1. Tighten fluid tip 2. Check fluid tip seat. 3. Check for damaged fluid seat on tip or seat on gun head.

YD3000

HVLP / HP SPRAY GUN



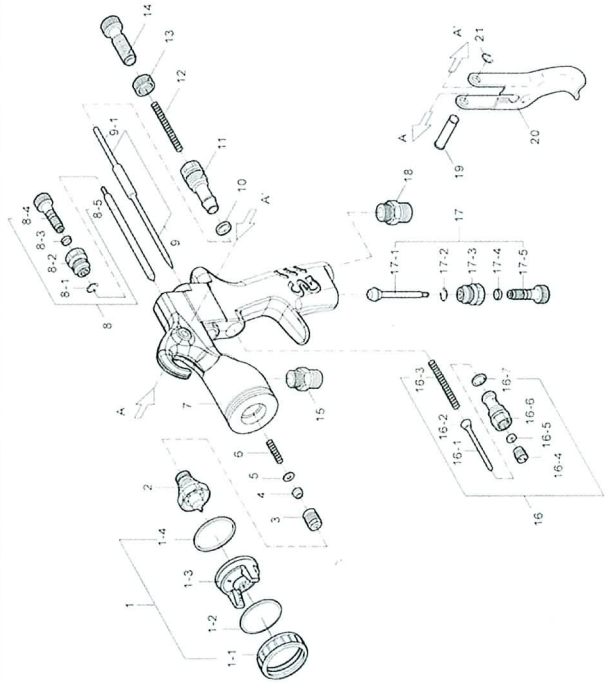
Technical data:

- * Standard nozzle: 1.8mm
- * Optional nozzle: 1.2, 1.4, 1.6, 1.8, 2.0, 2.5mm
- * Air Inlet: 1/4" NPS
- * Fluid inlet: 3/8" NPS
- * Air consumption: 250 L/Min (HP)/200 L/Min (HVLP)
- * Pattern width: 300 ~ 320mm
- * Working pressure: 30 - 43 PSI (HP)/ 15 - 28 PSI (HVLP)



PART LIST

Item No.	Description	Item No.	Description
1	Air Nozzle Cap Set	13	Nut
1-1	Brass Ring	14	Fluid Adjusting Knob
1-2	Brass Gasket	15	Fluid Nipple
1-3	Air Nozzle	16	Air Valve Assembly
1-4	Teflon Ring	16-1	Air Valve Stem
2	Fluid Nozzle	16-2	Air Valve
3	Pacing Screw for Paint Needle	16-3	Air Valve Spring
4	Teflon Seal	16-4	Seat Nut
5	Washer	16-5	Gasket
6	Spring	16-6	Air Valve Seat Set
7	Gun Body	16-7	O-ring
8	Fan Air Control Assembly	17	Air Regulator
8-1	E-Stopper	17-1	Air Piston
8-2	Air Control Seat	17-2	E-Stopper
8-3	Teflon O-ring	17-3	Air Control Seat
8-4	Air Control Knob	17-4	Teflon O-ring
8-5	Air Piston	17-5	Air Control Knob
9	Fluid Needle	18	Air Nipple
9-1	Fluid Needle Seat	19	Trigger Stud
10	Gasket	20	Trigger
11	Bushing	21	E-Stopper
12	Spring		



Operation:

1. Starting

- a. Use spanner to tighten the fluid nozzle.
- b. Check for correct tightening of stuffing box to avoid any air leakage.
- c. Air hose should be blow out before fitting with the air connection.
- d. Before using this gun, please make sure that it is carefully brushed with solvent.

2. Adjustment of the jet width

To Adjust jet width, rotate the stepless adjuster. The spray pattern can be altered from flat to round spray as required.

3. Air quantity control

To set the air to material ratio, adjust the stepless air micrometer. While gun is in operation, never dismantle hollow screw for removal of micrometer by hexagon socket screw key.

4. Exchange of nozzle set

When changing to another nozzle size, make sure that the complete nozzle set is exchanged. A set comprises of air cap, paint needle and paint nozzle. Insert paint nozzle before putting in paint needle.

5. Exchange of the self tensioning sealings

The needle seal is effected by a teflon seal and a needle packing with self-tensioning compression spring. To change the packing, please use the screwdriver.

6. Cleaning and gun care

- a. Flush gun thoroughly with solvent.
- b. Clean air nozzle with brush. Do not place the gun into solvent.
- c. Clogged holes should never be cleaned with improper objects, at the smallest amount of damage may badly influencen the spray pattern.
- d. Slightly oil movable parts.