



**AOM SPRAY EQUIPMENT**  
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## **INSTRUCTION MANUAL AT2.5ASS**



### **IMPORTANT INSTRUCTION:**

Please read this instruction Manual and the safety instructions on the pot carefully and understand them completely. Please follow the safety instructions when using it, otherwise failure to comply with instructions could result in personal injury or property damage. Please retain the instruction manual for future reference and pay attention to the Technical Data.

### ◆ **Technical Data:**

Model: ----- AT2.5ASS  
Operating Pressure: ----- 1-30 Psi  
Max. Pressure: ----- 80 Psi  
Safety Valve Pressure: ----- 50 Psi  
Capacity: ----- 10L  
Weight: ----- 11.6Kg  
Air Inlet: ----- 1.4"  
Paint Outlet: ----- 3/8"  
Inner tank liner: ----- SS liner included

### **Warning:**

1. DO NOT EXCEED 80 psi, Maximum operating pressure.
2. Do not open the pressure pot lid when there is still air pressure in the pot.

## ◆ Important Safety Instruction:

1. When operating always wear protective safety attire.
2. Never use oxygen, combustible or any other bottle gas as a power source. It could cause explosion and serious personal injury.
3. Paint and solvent in tank can be highly flammable or combustible, so please avoid any ignition sources, such as smoking and open flames.
4. Use clean, dry and regulated compressed air rated at 2.0~3.5bar, never exceed maximum permissive operating pressure 80Psi.
5. Only use the spare parts and accessories made and recommended by manufactures.
6. Before operating, make sure all the screws & caps are securely tightened in case of leakage.
7. Never use the solvent, which can chemically react with iron and brass parts.
8. Do not attempt to modify beyond manufacturers specifications. If any modifications are made the warranty will be voided and manufacturer will not be held responsible for any damages.

## ◆ Operation

1. Before operating, please check and make sure all parts are tightened.
2. When opening tank cover, according to the workload, operator should pour the proper paint into the tank, and mix the paint into the required viscosity, (to improve the efficiency of operation, the paint should not exceed 3/4 of the tank capacity) put on cover and tighten down butterfly nut to the four fixed seats on the cover, then tightening symmetrical on all sides.
3. Connect the filtered air supply at the air inlet, and adjust the knob to increase the operating pressure to 5 - 20 PSI fluid pressure (do not exceed 80 PSI).
4. Link the paint equipment to the fluid outlet, open the valve and start painting.
5. When operator is out of product, cut off the air supply, open pressure release valve on the cover and let the compressed air out completely, then open the cover and re-mix the paint, follow the process from step 2 to 4.

## ◆ Maintenance

It is very important that the tank, material hose and spray gun be cleaned as soon as the spray application is completed.

1. Disconnect air supply to tank and bleed pressure from system.
2. Turn pressure release valve counterclockwise and purge compressed air from tank.
3. Remove tank lid and pour any remaining paint back into original containers for future use.
4. Pour suitable cleaning agent into tank, close lid, turn on air supply and spray until cleaning agent comes out of spray gun. Make sure that the inside of the tools are clean.
5. After cleaning, disconnect air supply to tank, and open pressure release valve on cover.
6. Remove cleaning agent, and clean underneath lid.
7. Put cover back on tank, tighten pressure release valve and butterfly nuts.
8. Store pot in dry, clean ventilated area.

**Notice** When the paint is in the tank, please make sure the butterfly nut is symmetrical and tight.

## ◆ Trouble shooting

Symptom	Symptom Cause	Corrective Action
Air regulator does not work, there is no pressure in the tank after connecting the air supply	<ol style="list-style-type: none"><li>1. Air supply is abnormal.</li><li>2. Forgot to open the air inlet valve.</li><li>3. Air outlet and other valves are not in closed position</li></ol>	<ol style="list-style-type: none"><li>1. Adjust the air supply until It is normal.</li><li>2. Open the air inlet valve.</li><li>3. Close other air outlet valves.</li></ol>
Air leaking at tank cover	<ol style="list-style-type: none"><li>1. The butterfly nut is not symmetrical and tight.</li></ol>	<ol style="list-style-type: none"><li>1. Tighten butterfly nut.</li></ol>
No material from tank	<ol style="list-style-type: none"><li>1. The paint outlet valve is closed.</li><li>2. The fluid passages are clogged.</li></ol>	<ol style="list-style-type: none"><li>1. Open the paint outlet valve.</li><li>2. Flush or replace fluid hose.</li></ol>
Poor spraying	<ol style="list-style-type: none"><li>1. The pressure is too high or too low.</li></ol>	<ol style="list-style-type: none"><li>1. Adjust the pressure to normal settings.</li><li>2. Check and repair the spray gun.</li></ol>



ITME NO:	DESCRIPTION	Q'ty
1	Material tank	1
2	Lid assembly	1
3	Gasket	1
4	Air motor	1
5	Silencer	1
6	Cotter pin	1
7	Set screw	2
8	Connecting bush	1
9A	Centering guide	1
10A	Seal-ring	3
11	Hexagon nut	3
12	Screw bolt	3
13A	Motor base	1
14	Seal ring	1
15	Parts guard	1
16	Hexagon nut	2
17	Paint outlet cock	1
18	Material outlet adapter	1
19	Nut	1
20	Air outlet	1
21	Air outcock	1
22	Elbow(Air inlet)	1
23	Air valve	1
24	Adapter	2
25	Nut	2
26	Air hose	1
27	Branch four	1
28	Air inlet cock	1
29	Pressure regulator	1
30	Adapter	1
31	Pressure gauge	1

ITME NO:	DESCRIPTION	Q'ty
32	Air flow guider	1
33	Safety valve shell	1
34	Spring	1
35	Needle rod	1
36	Steel ball	1
37	Hexagon nut	1
38	Adapter	1
39	Spanner	1
40	Release valve	1
43	Agitating rod	1
44	Hexagon nut	1
45	Agitating propeller	1
46	Screw bolt	1
47	Fluid tube	1
48	Absorption apparatus	1
49	Filter base	1
50	Material filter	1
51	Snap ring	1
52	Swing bolt	4
53	Washer	4
54	Thumb nut	4
55	Nut	4
56	Washer	4
57	Wheel	4
58	Cotter pin	4
59	C-snap ring	8
60A	Seal-ring	1
60-1	Seal-ring	1
61	O-ring	2