

# SPRAY GUN

OWNER'S MANUAL



FOR YOUR SAFETY  
PLEASE READ THESE INSTRUCTIONS CAREFULLY  
AND RETAIN THEM FOR FUTURE USE.



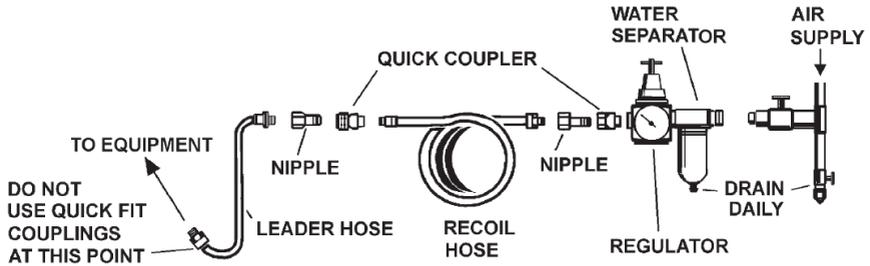
## SPECIFICATION

TOOL MODEL	SAT501 / SAT502 / SAT505
REQUIRED AIR CFM	6-11 SCFM
NOZZLE MIX	1.4 MM
OPERATING PRESSURE	2.5-3.5 BAR
TOOL WEIGHT	1.1 KG

## SAFETY GUIDELINES

1. Toxic vapours produced by spraying certain materials can cause intoxication and serious damage to health. Always wear protective eyewear, gloves and a respirator to prevent the toxic vapour hazard, solvent and paint coming into contact with your eyes or skin.
2. Never use oxygen or any other bottle gas as a power source. Doing so may cause explosion and serious personal injury.
3. Fluid and solvent can be highly flammable. Use in a well-ventilated spray booth and avoid any ignition sources such as smoking or an open flame.
4. Disconnect the tool from the air supply before tool maintenance and during nonoperation. For prevention of unintended operation a ball valve between the gun and air supply is recommend.
5. Use clean, dry and regulated compressed air rated at 2.5 to 3.5 bar. Never exceed the maximum permissive operating pressure of 6 bar.
6. Only use parts, nozzles and accessories recommended by SGS Engineering.
7. Before operating the tool make sure all screws and caps are secured tightly to prevent leaking.
8. Make a daily inspection for free movement of trigger and nozzle to insure the tool will operate correctly.
9. Never use homogenate hydrocarbon solvent which can chemically react with aluminium and zinc parts.
10. Never modify the tool for any reason.

## CONNECTING YOUR SPRAY GUN



## OPERATING INSTRUCTIONS

### Power Source

This tool operates on clean, dry compressed air at regulated pressure at 2.5 to 3.5 bar. The compressed air contains moisture and other contaminants that will rust or wear internal parts of the tool. A filter will remove most foreign matter from the air supply to prolong the life of the tool. Use a filter and a pressure regulator located as close to the tool as possible.

### CAUTION

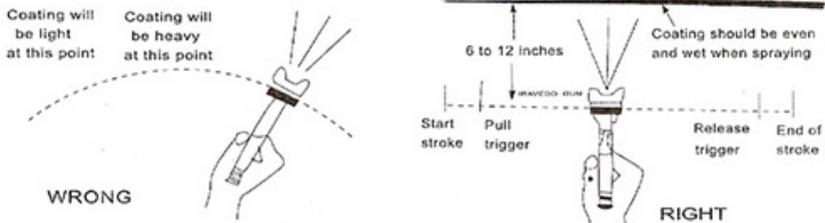
All air pressure in-line systems should be rated 2.5 to 3.5 bar. Too low or too high air pressure will damage the tool and influence the painting effect.

### Preparing for Work

1. Check and replace any damaged or worn parts on the tool.
2. Make sure the trigger and nozzle can operate correctly.
3. Connect the gun to the air supply. Fluid cap, container and air hose should be connected tightly with the spray gun.
4. Required air pressure should be adjusted to suit viscosity and feature of the paint.
5. Pour paint into the container cup.

## GUN HANDLING

1. The proper handling of the gun will help you achieve the desired paint coating.
2. Grip the gun keeping it perpendicular with the spraying area and then move it back and forth parallel to the spraying area several times.
3. The stroke should be started before the trigger is pulled and the trigger should be released before the stroke is ended.
4. Set distance: keep the appropriate distance of 6-12 inches between the gun and spraying area, according to the atomization pressure and work demand.



## CAUTION

1. Never spray foods or chemicals through the spray gun.
2. Connect a fluid hose or a container to the fluid nipple tightly.
3. Never insert a wire or other hard item into the nozzle or fluid needle – this will damage the gun.
4. Never immerse the whole gun into solvent such as this will damage the air cap, fluid nozzle and fluid needle.



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## EC Declaration of Conformity

This is an important document and should be retained

MANUFACTURER'S NAME: SGS Engineering (UK) Ltd

TYPE OF EQUIPMENT: SPRAY GUN

PART NUMBER: SAT501 / SAT502 / SAT505

APPLICATION OF EC COUNCIL DIRECTIVES / STANDARD:

2006/42/EC, BS EN 292-1 PARTS 1 & 2: 1991, BS EN 1953: 1999, 98/37/EEC,  
EN 13463-1:2001, 94/9/EC, PG6/34

I, the undersigned, hereby declare that the equipment specified above conforms to the above European Communities Directive(s) and Standard(s).

PLACE: Derby, UK

DATE: 14th JULY 2017

A handwritten signature in black ink, appearing to read 'Robert Wyatt', written over a horizontal line.

(Signature)

Robert Wyatt

Company Secretary

