

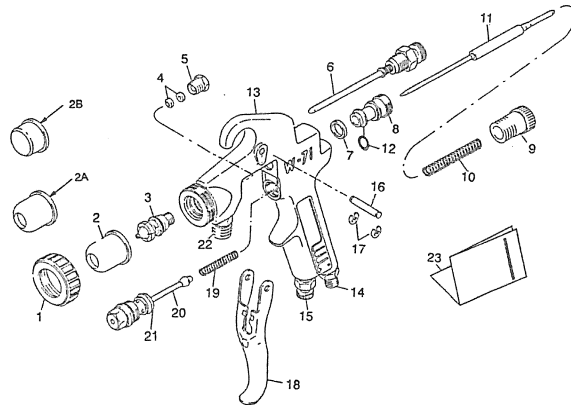
Spatter Gun

SGD-71ND

Main Specifications	Maximum Working Fluid Pressure	98 psi (6.8 bar)
	Maximum Working Air Pressure	98 psi (6.8 bar)
	Noise level (LAeqT)	79.1 dB(A)
	Temperature range	5~40 °C

PARTS LIST

No.	Description	Q'ty
1	Ring	1
2	Air cap (spattering)	1
2A	Air cap (misting)	1
2B	Air cap (dishevel)	1
3	Fluid nozzle	1
4	Fluid needle packing set	1
5	Needle packing nut	1
6	Spread adj.valve set	1
7	Gasket	1
8	Fluid needle guide	1
9	Fluid adj.knob	1
10	Fluid needle spring	1
11	Fluid needle set	1
12	O ring	1
13	Gun body	1
14	Air joint	1
15	Air adj.valve set	1
16	Trigger stud	1
17	E stopper	1
18	Trigger	1
19	Air valve spring	1
20	Air valve	1
21	Air valve seat set	1
22	Fluid joint	1
23	Instruction manual	1



When ordering parts, specify gun,s model and ref. No. and part name.

When replacing fluid nozzle or/and fluid needle for pressure feed application please order nozzle needle set.

◆ Marked parts are wearable parts.

SAFETY WARNINGS

⚠ FIRE OR EXPLOSION HAZARD

- Fluid and solvents can be highly flammable or combustible.
 - Use in well-ventilated spray booth.
 - Avoid any ignition sources such as smoking, open flames, electrical hazard, etc.
- NEVER use HALOGENATED HYDROCARBON SOLVENTS (1.1.1 TRICHLORINE, ETHYL CHLORIDE, etc.), which can chemically react with aluminium and zinc parts and cause an explosion. Be sure that all fluids and solvents used are chemically compatible with aluminium and zinc parts.
- To reduce the risk of static sparking, grounding continuity to the spray equipment and object being sprayed must be maintained.



⚠ MISUSE HAZARD

- NEVER point gun in the direction of human body.
- NEVER exceed the maximum safe working pressure of the equipment.
- ALWAYS release air and fluid pressures before cleaning, disassembling or servicing. For emergency stop and prevention of unintended operation, a ball valve installation near the gun to stop air supply is recommended.



⚠ HAZARD CREATED WHILE COATING MATERIALS ARE ATOMIZED AND SPRAYED

- Toxic vapours produced by spraying certain materials can create intoxication and serious damage to health.
 - Use the gun in well-ventilated areas.
 - Always wear protective eyewear, gloves, respirator, etc. to prevent the toxic vapour hazard, solvents and paint from coming into contact with your eyes or skin.
- Noise level mentioned in main specifications was measured at 1.0 m behind the tip of the gun, 1.6 m height from floor.
 - Wear earplugs if required.



⚠ OTHER HAZARDS

- NEVER modify this product for any applications.
- NEVER enter working areas of robots, reciprocators, conveyors, etc., unless machines are switched off.
- NEVER spray foods or chemicals through the spray gun.

INSTALLATION

IMPORTANT

This gun should be operated by adequately trained operators only. Ensure that the gun has not been damaged during transportation. Clean dry air should be supplied to the gun.

- Connect an air hose to air nipple tightly.
- Connect a fluid hose or a container to fluid nipple tightly.
- Flush the gun fluid passage with a compatible solvent.
- Pour paint into container, test spray and adjust fluid output as well as pattern width.

HOW TO OPERATE

This gun is typically used with pressure tanks. Typical supply pressures are given in the pattern descriptions below. Adjust fluid and air supply pressure to obtain desired results.

Spattering or Speckling

- Use standard air cap No.2.
- Use normal viscosity paint.
- Fluid pressure 4 PSI (0.3 bar)
- Atomizing air pressure: low.



Misting or Shading

- Use standard air cap (No.2A).
- Use normal viscosity paint.
- Fluid pressure 4 PSI (0.3 bar)
- Atomizing air pressure: 28 PSI (2 bar)



Dishevel or Veiling

- Use standard air cap (No.2B).
- Use heavy viscosity paint.
- Fluid pressure 21 PSI (1.5 bar)
- Atomizing air pressure: very low.



MAINTENANCE AFTER PAINTING

⚠ WARNING

- TURN OFF AIR AND COATING MATERIALS TO THE GUN AND RELEASE PRESSURE BY TRIGGERING THE GUN BEFORE DISASSEMBLING, CLEANING OR SERVICING.
- PAY ATTENTION WHEN DISASSEMBLING SPRAY GUN SINCE YOU MUST TOUCH SHARP PARTS.
- DO NOT DISASSEMBLE WITHOUT RECEIVING ENOUGH KNOWLEDGE AND EDUCATION.

- 1.Pour remaining paint into another container and then clean paint passages and air cap. Spray a small amount of thinner to clean paint passages. Incomplete cleaning will cause adverse pattern shape and particles. Clean fully and promptly two-component paint after use.
- 2.Clean other sections with attached brush soaked with thinner and waste cloth.
- 3.Clean paint passages fully before disassembly.
- 4.Remove fluid nozzle after removing fluid needle set or while keeping fluid nozzle pulled, in order to protect seat section.
- 5.While keeping fluid needle set inserted, tighten fluid needle packing set by hand. Then tighten gradually by spanner. Adjust packing set while pulling trigger and watching movement of fluid needle set since too much tightening will slow down movement of fluid needle and result in leakage from tip of nozzle. If tightened too much, turn counterclockwise to the sufficient position without stuck needle and fluid leakage.
- 6.Turn spread adj. knob counterclockwise to fully open. And then tighten spread adj. guide into gun body.

⚠ CAUTION

- NEVER USE COMMERCIAL OR OTHER PARTS INSTEAD OF ANEST IWATA ORIGINAL SPARE PARTS.
- NEVER IMMERSE THE WHOLE GUN INTO LIQUID SUCH AS THINNER.
- NEVER DAMAGE HOLES OF AIR CAP, FLUID NOZZLE AND FLUID NEEDLE.

TROUBLESHOOTING

R1 : retighten R2 : adjust R3 : clean R4 : replace parts

Problem	Where it occurred	Parts to be checked	Cause	Remedy			
				R1	R2	R3	R4
Air leaks (from tip of air cap)	Air valve set	Air valve	* Dirt or damage on seat			○	○
		Air valve seat set	* Dirt or damage on seat * Wear on air valve spring			○	○
		Air valve packing	* Damage or deteriorated				○
Paint leaks	Fluid nozzle	Fluid nozzle- Fluid needle set	* Dirt, damage, wear on seat			○	○
			* Loose fluid needle adj. knob		○		
			* Wear on needle spring				○
	Fluid nozzle- Gun body	* Insufficient tightening * Dirt or damage on seat	○			○	
	Fluid needle packing set	* Needle does not return due to packing set too tight * Needle does not return due to paint buildup on fluid needle		○	○		
Fluid needle	Needle packing -set needle set	* Wear		○		○	
	Packing nut	* Insufficient tightening	○				
Paint does not flow	Tip of gun	Fluid adj. knob	* Insufficient opening		○		
		Tip hole of nozzle	* Clogged			○	
		Paint filter	* Clogged			○	○

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