Type:
Gravity Feed

Nozzle Diameter:
1.4mm

Air Pressure:
3.0kg/cm^2

Air Consumption:
400L/min

Material Output:
140-185cc/min

Compressor Required:
1.0hp

Capacity of Cup:
600cc

GREEN W-98 SPRAY GUN

Instructions for:

FLOWTECH

No.1 for Service

CAUSES OF DEFECT & COUNTER-MEASURES

PROBLEM:	CAUSE OF DEFECT:	COUNTER-MEASURE:
Gun leaks from Fluid Nozzle.	**a.** Foreign substances between Fluid Nozzle and Fluid Needle prevent sealing.	**a.** Clean Fluid Needle and Fluid Nozzle in thinners, or replace Fluid Nozzle.
Paint emerges from Fluid Needle-Needle Sealing.	**a.** Self tensioning Needle Sealing damaged or lost.	**a.** Replace Needle Sealing.
Spray pattern in sickle shape.	**a.** Horn Air Holes of Air Circuit clogged.	**a.** Soak in thinners, afterwards clean with Nozzle-Cleaning Needle.
Drop-like or oval shaped pattern.	**a.** Dirt on Fluid Needle Tip or Air Outlet.	**a.** Turn Air Nozzle by 180 degrees, if defective pattern remains, clean paint outlet in Air Nozzle.
Paint spray flutters.	**a.** Too little material in cup, Fluid Nozzle not tight, Needle Sealing damaged, Nozzle Set dirty or damaged.	**a.** Refill material, tighten parts, if necessary clean or replace parts.
Material bubbles or 'boils' in Paint Cup.	**a.** Atomisation air flows through the paint channel to the cup. The Paint Nozzle is not tight enough. Air Nozzle is not completely screwed, the air net clogged and the seat is defective or Nozzle Insert is damaged.	**a.** Tighten parts accordingly, if necessary clean or replace parts.

OPERATION

1. STARTING

Prior to any operation, especially after repair work the seating of screws must be checked and tightened as required.

a) Tighten nozzle set (for paint nozzle use spanner). Air nozzle must be aligned so that the stamped-in number is visible straight to the front.

b) Check for correct tightening of Air Valve nut, so that no air will escape but air piston still slides.

c) Air connection (R1/4"), Prior to fitting, air hose should be blown out.

d) Prior to shipment, this gun was treated with an anti-corrosive agent. Before using gun make sure that it is carefully flushed with solvent.

2. ADJUSTMENT OF 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. Gun must always be disconnected from air pressure circuit.

Micrometer in vertical position (parallel to gun body) = maximum atomisation. Micrometer in horizontal position (across gun body) = minimum atomisation (for blending etc.)

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 nozzle and paint needle. 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 during general overhaul, please use the socket spanner provided.

6. CLEANING AND DUE CARE

a) Flush gun thoroughly with solvent.

b) Clean air nozzle with brush. Do not place the gun into solvent for a long period of time.

c) Clogged holes should never be cleaned with improper objects, the smallest amount of damage badly influences the spray pattern. Use SATA nozzle-cleaning needles!

d) Packing must be slightly lubricated after cleaning gun.

e) Prior to any repair work the unit must always be disconnected from air pressure circuit.