HIGH PRESSURE SPRAY GUN

INSTRUCTION MANUAL

This manual IMPORTANT WARNINGS and INSTRUCTIONS Read and understand the instrucition manual before and retain for refrence

Operation:

1.Starting

a.Use spanner to tighten the 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 is carefully bushed 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 by hexagon socket screw key.

4.Exchange of nozzle set

When changing to another size，make sure

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 socket spanner provided.

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 influence the spray pattern.

D）Slightly oil movable part.

Trouble

1.Gun lesks from fluid nozzle.

2.Paint emerges from fluid needle-needle sealing.

3.Spray pattern in sickle shape.

4.Drop-like or oval shaped pattern.

5.Paint spray flutters.

6.Material bubbies or “boils”in paint cup.

Cause

1.Foreign substances between fluid nozzle and fluid needle prevent sealing.

2.Self tensioning needle sealing damaged or last .

3.Horn air hose or air circuit clogged.

4.Dirt on fluid needle tip or air outlet.

5.Too little material in cup，fluid nozzle not tight，needle sealing damaged，nozzle set dirty or damaged.

6.Atomization 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.

Repair

1.Clean fluid needle and fluid nozzle in thinner or use new fluid nozzle.

2.Replace needle sealing.

3.Soak in thinner，after wards clean with nozzle-cleaning needle.

4.Turn air nozzle by 180 degrees. If defective pattern remains，clean paint outlet in air nozzle.

5.Refill material，tighten parts，if necessary clean or replace parts.

6.Tighten parts accordingly，clean or replace.

CAUTION (read carefully before starting any work)

1.Air well the working area，as solvent accumulation in the air may cause explosions.

2.Use a mask to apply paint，in that way you will avoid inhaling paint and solvents.

3.Avoid applying the paint in place where the spray may get to flame, stove pilot flame，ovens and boilers.

4.Never feed the gun with a pressure higher than 90PSI，to avoid possible explosions.

5.Children and pets must be kept away from the working area.

6.Do not eat or smoke while painting.

7.Do not spray acid or corrosive materials without having a full knowledge of how to use them.

8.Clean the gun after using is，in that way you will neutralize the materials that may damage it.

9.Do not apply toxic solvents and chemicals without knowing their proper application，as this may cause health problems.

10.In case of using chemicals，clean the equipment to avoid contamination.

11.Avoid using hoses that may be broken，stepped on of cut.

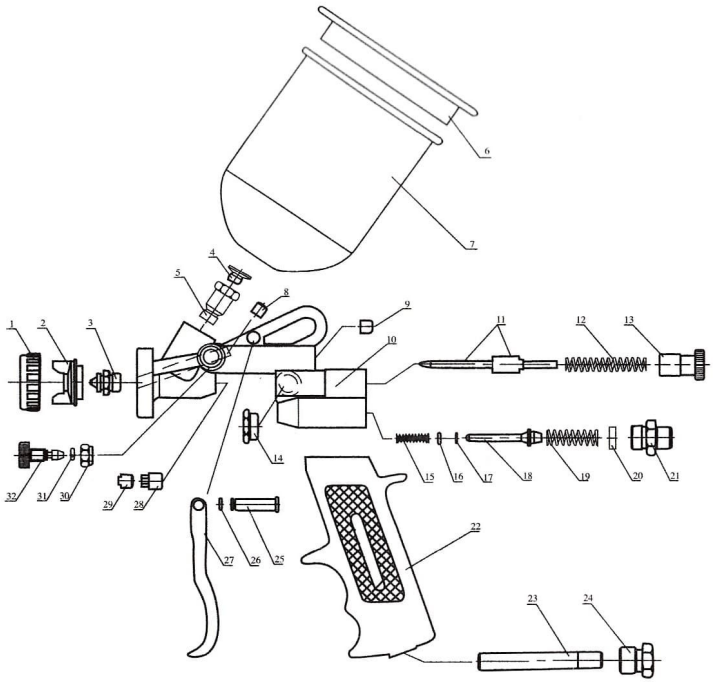
12.Fertilizer or pesticide application should be very careful，as they may be lethal if inhaled.

13.We recommend your using a pressure regulator in the air line.

MAIN SPECIFICATIONS

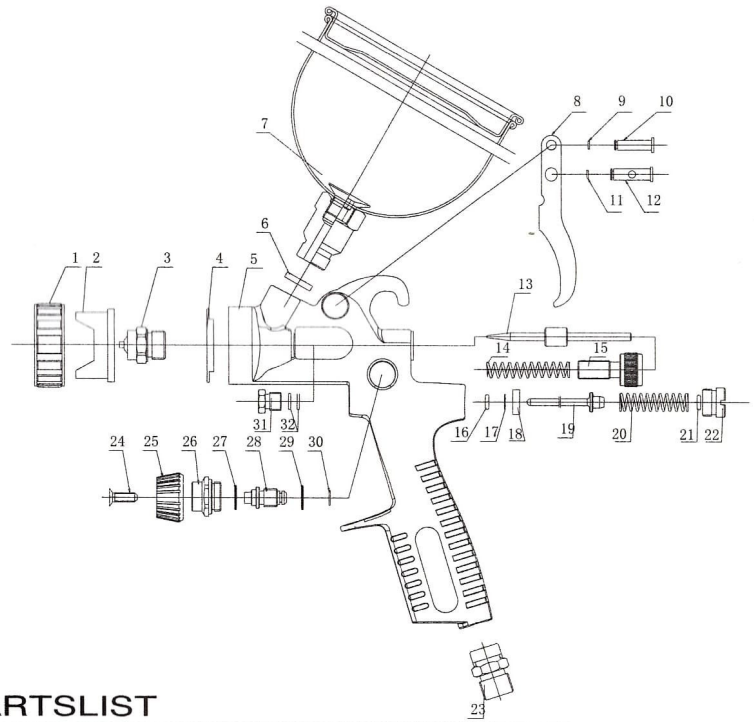
Model	Type of feed	Nozzle orifice Φmm(in)	Air cup set	※Air pressure Bar(pai)	Air consumption L/min(cfm)	Fluid(water) Delivery	WEIGHT Kgs(ibs)	AIR INLET
E-70	Gravity	1.0(0.039)	400ml	3.5-5bai (50-80psi)	200	180(6.38)	0.6(1.33)	1/4"
		1.2(0.047)			220	220(7.80)		
		1.4(0.055)	600ml		250	260(9.22)		
E-80		1.5(0.059)			260	280(9.93)	0.71(1.57)	
		1.6(0.063)			275	295(10.46)		
		1.8(0.071)			290	320(11.35)		
S-990		2.0(0.078)			310	350(12.4)	0.54(1.2)	
		2.2(0.086)			330	380(13.47)		
		2.5(0.098)			350	420(14.9)		
W-80B		3.0(0.118)			390	480(17.02)		
		4.0(0.157)			450	520(18.44)		
E-70	Suction	1.0(0.039)	800ml		180	160(5.67)	0.79(1.74)	
		1.2(0.047)			200	200(7.09)		
		1.4(0.055)	1000ml		220	240(8.51)		
E-80		1.5(0.059)			235	260(9.22)	0.95(2.10)	
		1.6(0.063)			250	280(9.92)		
		1.8(0.071)			275	300(10.6)		
S-990		2.0(0.078)			290	330(11.7)	0.66(1.46)	
		2.2(0.086)			300	350(12.4)		
		2.5(0.098)			320	380(13.47)		
W-80B		3.0(0.118)			370	420(14.9)		
		4.0(0.157)			420	480(17.02)		

※Atomizing air pressure means air pressure at gun iniet when trigger is puiled and air flows.



PARTSLIST

NO	DESCRIPTION	NO	DESCRIPTION	NO	DESCRIPTION
1	Air ring	12	Needle spring	23	Air hose
2	Air cap	13	Needle adjusting knob	24	Air hose joint
3	Fluid nozzle	14	Air knob	25	trigger bolt
4	Fluid joint screw	15	Air spring	26	E-stopper
5	Fluid joint	16	O-ring	27	Trigger
6	Cup cover	17	Gasket	28	Needle packing screw
7	Cup	18	Air valve	29	Nddele packing plastic
8	Screw plug	19	Air spring	30	Pattern valve seat
9	Screw plug	20	Air valve washer	31	O-ring
10	Gun body	21	Air valve screw	32	Pattern knob
11	Fluid needle set	22	Plastic Handle		



PARTSLIST

NO	DESCRIPTION	NO	DESCRIPTION	NO	DESCRIPTION
1	Air ring	12	Trigger pin with hole	23	Air inlet
2	Air cap ring	13	Fluid needle	24	Cross bolt
3	Fluid nozzle	14	Needle spring	25	Pattern adjust screw
4	Air distribution-ring	15	Nddele screw	26	Pattern adjust base
5	Gun body	16	O-ring	27	O-ring
6	Paint inlet gasket	17	Valve spring	28	Pattern valve lever
7	Top cup	18	Valve sleeve	29	O-ring
8	Trigger	19	Valve needle	30	Trigger stopper
9	Trigger stopper	20	Valve spring	31	Needle sealed gasket
10	Trigger bolt	21	O-ring	32	Needle sealed serew
11	Trigger stopper	22	Valve adjust knob		