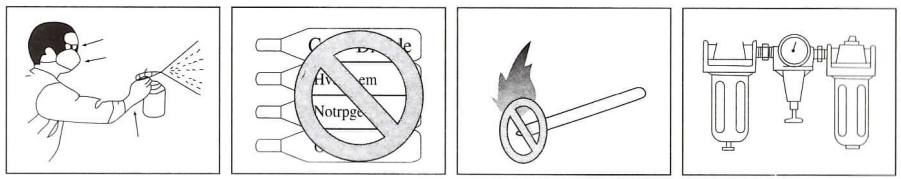
HVLP
SPRAY GUN
INSTRUCTION MANUAL (For Oversea's Sales)

Read this manual carefully and understand it completely, basic safety precaution should always be strictly followed to pervent the damage to the tool and injury to the operator. Retain this manual for future reference. And you should pay more attention to the Technical Data.

Important Safety instructions

1. For toxic vapors produced by spraying certain materials can create intoxication and serious damage to health. Always wear protective eyewear, gloves and respirator to prevent the toxic vapor hazard, solvent and pointing paint coming into contact with your eyes or skin. (see fig 1)
2. Never use oxygen, combustible or any other bottle gas as a power source or would cause explosion and serious personal injury. (see fig 2)
3. Fluid and solvent can be highly flammable or combustible or combustible. Use in well-ventilated spray booth and avoid any ignition sources, such as smoking, open flames and decrial hazard. (see fig 3)
4. Disconnect tool from air supply hose before doing tool maintenance and during non-operation, for emerge stop and prevention of unintended operation, a ball valve near the gun to air supply is recommend.
5. Use clean, dry and regulate compressed air rated at 2.5~3.5bar, never exceed maximum permissive operating pressure 6bar. (see fig 4)
6. Only use parts, nozzles and accessories recommended by manufacture.
7. Before operating the tool. make sure all screws and caps are securely tightened in case of leaking.
8. Make daily inspection for free movement of trigger and nozzle to insure the tool can operate well.
9. Never use homogenate hydrocarbon solvent, which cna chemically react with aluminum and zinc parts and chemically compatible with aluminum and zinc parts.
10. Never modify the tool for any modify.



Operating instructions

◆ Power Source

This tool applies to operate on clean, dry a compressed air at regulated pressure at 2.5~3.5bar, The compressed air contains the moisture and other contaminate that would rust or wear internal parts of the tool. The filter will remove most of these foreign matters to prolong the life of the tool. The oiler can help provide oil circulation through tool and increase the efficiency of the tool. Use a filter, a pressure regulator and an oiler located as close to the tool as possible.

CAUTION: All air pressure in line system should be rated 2.5~3.5bar. Too low or too high air pressure will damage to 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 well.
3. Connect the gun to air supply, fluid cap, container and air hose should be connected tightly with spray gun.
4. Required air pressured should be adjusted by viscosity and feature of paint. Proper air pressure of 3~5bar should be recommended.
5. Pour paint into the container cup.

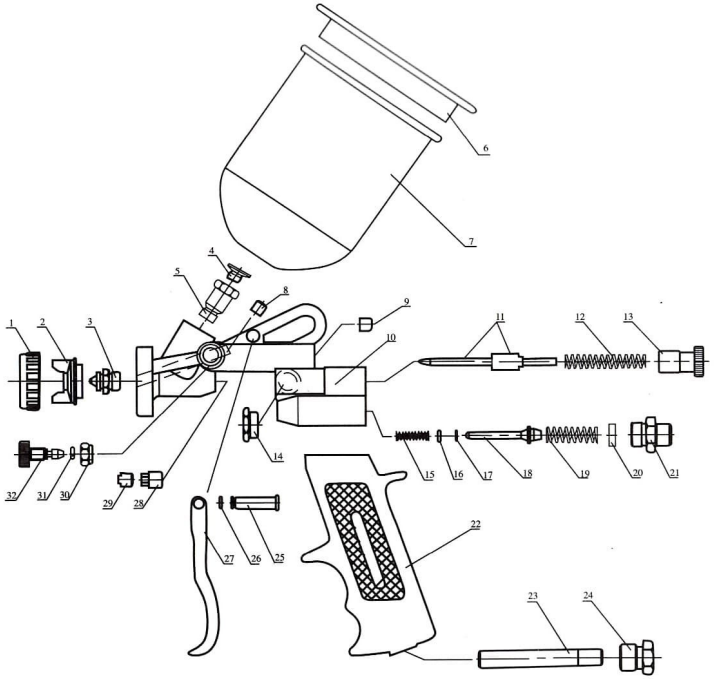
Gun Handling

The proper handling of the gun will let you the desired paint coating, if you handle the gun just like this 1. Grip the gun keeping perpendicular with the spraying area then move it parallel for several times like this. 2. The stroke should be started before the trigger is pulled and the triggers should be before the stroke is ended, for this can control the gun and material. 3. Set distance: keep the appropriate e distance of 6~8 inches between gun and spraying area, according the atomization pressure and work demand. Just like the fig 5 show.

MAIN SPECIFICATIONS

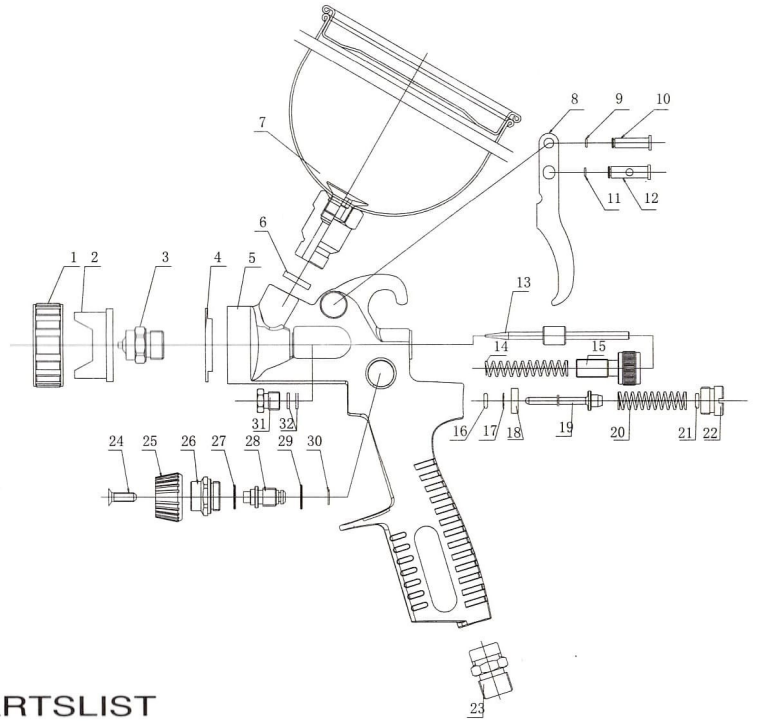
Model	Type of feed	Nozzle orifice Φmm(in)	Air cup set	※Air pressure Bar(pai)	Air consumption L/min(cfm)	Fluid(water) Delivery	WEIGHT Kgs(ibs)	AIR INLET
E-70	Gravity	1.0(0.039)	400ml	3.5-5bai (50-80psi)	200	180(6.38)	0.6(1.33)	1/4"
		1.2(0.047)			220	220(7.80)		
		1.4(0.055)	600ml		250	260(9.22)		
E-80		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		