

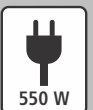
EPILOTE
POWER



E22

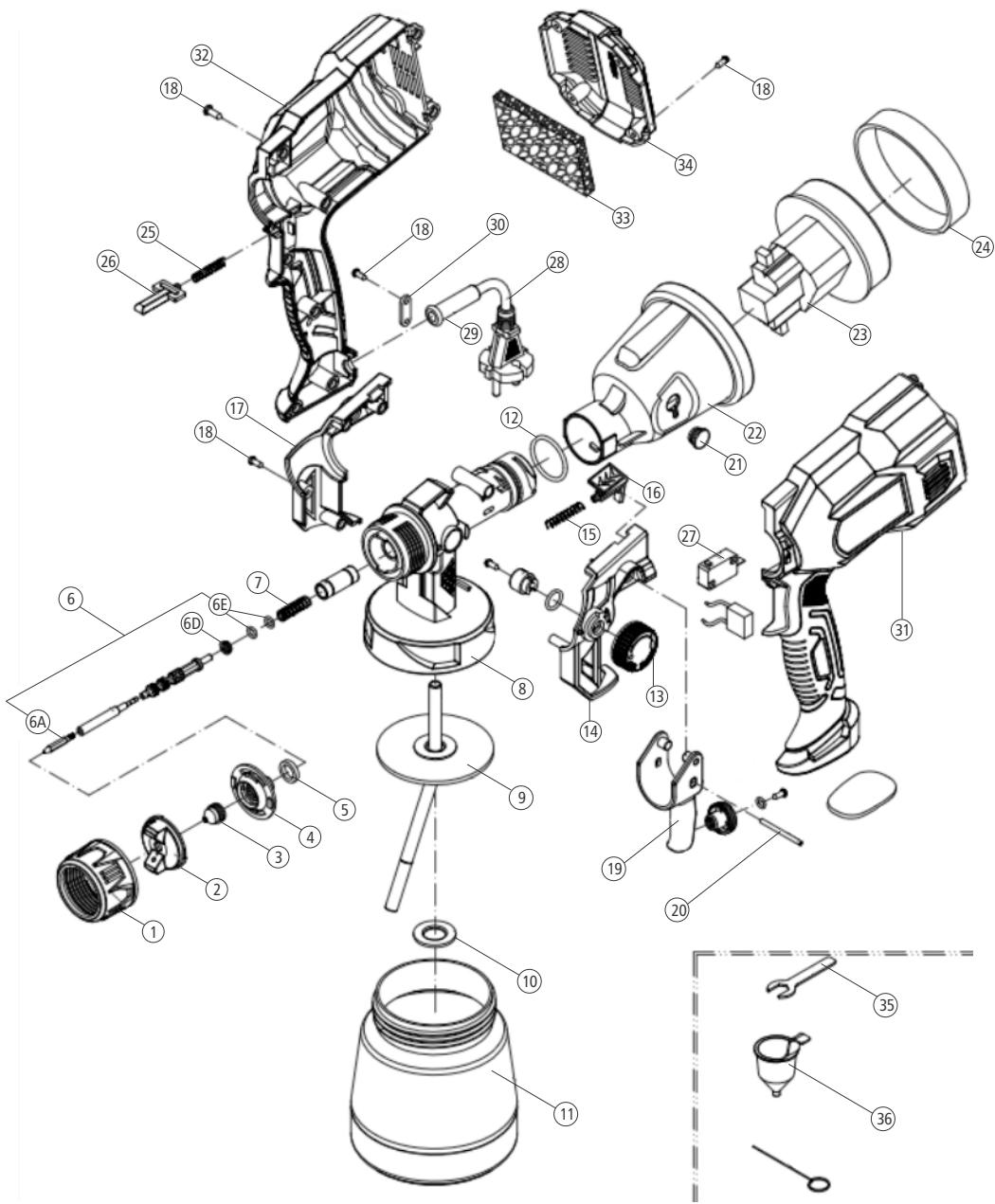
Electric
Spray Gun

CE
Conformity to
European Standards



INSTRUCTION MANUAL

Before using the gun, please read this manual thoroughly.
Improper use of the gun can cause damage or a fatal injury.



1. Exploded View:

Sr No.	Part Name	Part Number	Sr No.	Part Name	Part Number
1	Air Cap Locking Nut	22001	18	Screw	22019
2	Air Cap	22002	19	Trigger Complete	22020
3	Nozzle	22003	20	Trigger Pin	22021
4	Baffle Ring	22004	21	Stopper	22022
5	Nozzle Seal	22005	22	Motor Cover	22023
6	Needle Complete	22006	23	Motor	22024
6A	Needle	22006A	24	Damper	22025
6D	Seal	22006D	25	Switch Spring	22026
6E	O Ring	22006E	26	Switch Plunger	22027
7	Needle Spring	22007	27	Switch Complete	22028
8	Spray Housing	22009	28	Cable	22029
9	Suction Tube	22010	29	Grommett	22030
10	Cup Washer	22011	30	Cable Anchorage	22031
11	Cup	22012	31	Drive Housing Left Cover	22032
12	Spray Housing O Ring	22013	32	Drive Housing Right Cover	22033
13	Spreader Control Knob Complete	22014	33	Filter	22035
14	Spray Housing Left Cover	22015	34	Drive Housing Back Cover	22036
15	Lock Spring	22016	35	Spanner	22037
16	Lock Catch	22017	36	Viscosity Cup	22038
17	Spray Housing Right Cover	22018			

2. Technical Parameters:

Model: E22

Rated power: 550W

Spray distance: 200-250mm

Rated Voltage: 220-240V

Width: 200-300mm

Frequency: 50HZ

Viscosity: 8-12s

Rated speed: 3000RPM

Paint capacity: 800ml

Air flow: 160L/MIN

Wire length: 1.8m

Paint flow: 100-200ml/min

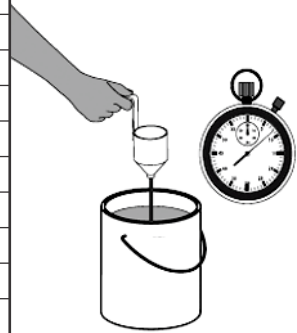
3. Function:

Suitable for painting furniture, fences, doors, windows, walls, ceiling, and for automobile use, high altitude operation etc.

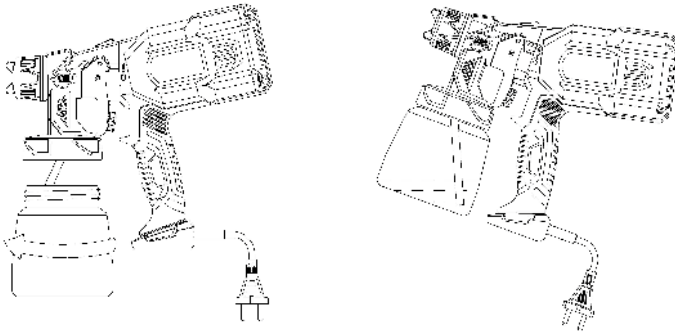
4. How to Use:

Before using the electric spray gun, material preparation is the first stage.
Please refer to the thinning chart and picture.

Material	Run out time (Sec)
Oil Enamel	25-60
Oil based primer.	30-60
Oil stain	no thinning required
Clear sealer	no thinning required
Polyurethane	no thinning required
Varnish	20-60
Lacquer sanding sealer	25-35
Lacquer	25-35
Automotive finishes	20-40
Latex	45-90

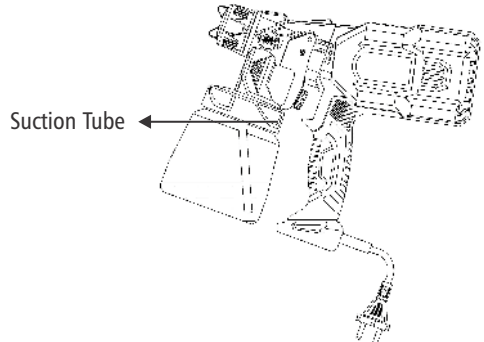


4-1) Unscrew the paint container from the spray gun.

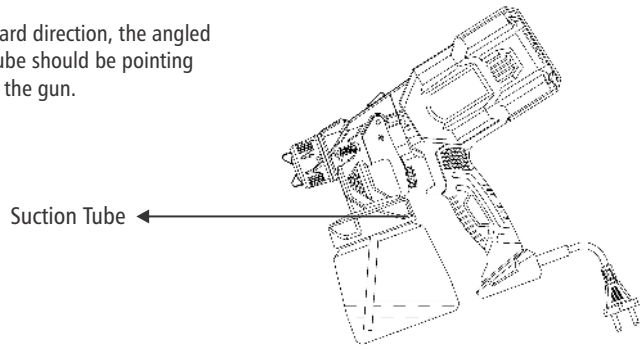


4-2) Adjust the suction tube.

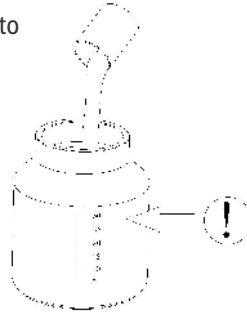
- a) If spray in upward direction, the angled end of the suction tube should be pointing toward the rear of the gun.



- b) If spray in a downward direction, the angled end of the suction tube should be pointing towards the front of the gun.

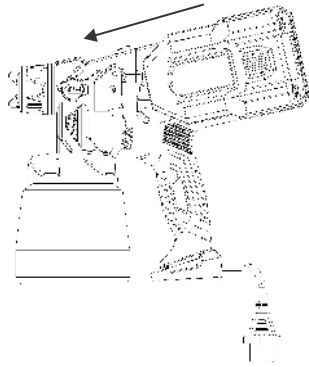


- 4-3) Pour material into container, make sure not to exceed 800ml



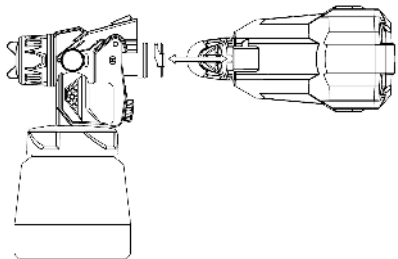
- 4-4) Remove the motor

- a) Hold the gun with your hand and press the latch in the direction of the arrow.
b) At the same time hold the motor handle with your hand and rotate it counter clockwise 90°.
c) Pull out to remove the motor from the gun.



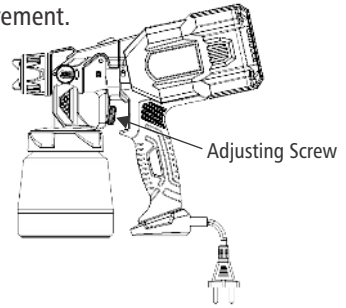
- 4-5) Connect gun body with motor.

- a) Hold the gun with your hand to align the slot on the gun with the slot on the motor and insert it (as shown in the figure).
b) Hold the motor handle with your hand, rotate it right hand clockwise 90°.
c) When the gun and host are parallel, it is locked.



4-6) Adjust the needle adjusting screw to meet your requirement.

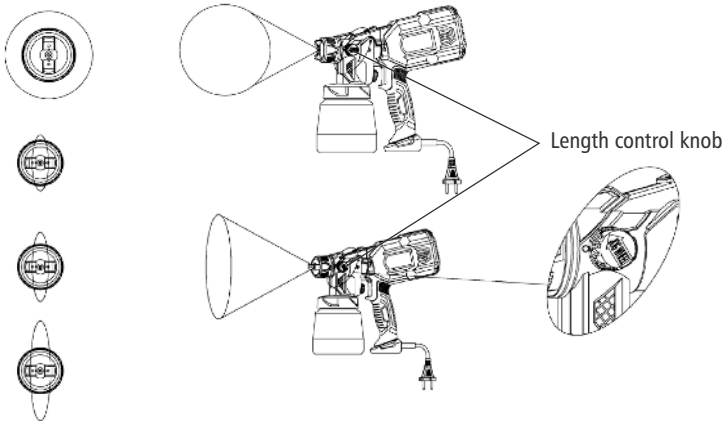
- a) Adjust the screw to left to decrease paint volume, lower paint thickness
- b) Adjust the screw to right to increase paint volume, increase paint thickness



4-7) Spray length adjustment: Turn this knob to adjust the round shape from vertical to horizontal.

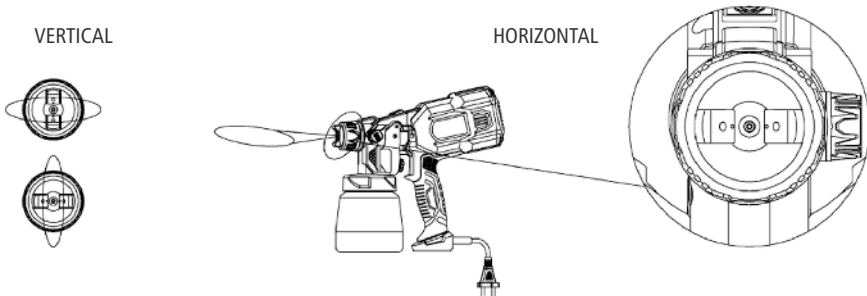
Adjust the required length according to the spraying environment, reduce waste and save material.

- a) The counter clockwise rotation shortens the length, and when it rotates to the stop position, it is sprayed with the largest circle.
- b) Adjust the screw to right to increase paint volume, increase paint thickness



4-8) Adjusting spray patterns

- a) The gun spray patterns can be changed from a horizontal oval fan pattern to a round
- b) Detailed pattern to a vertical fan pattern by adjusting the nozzle.



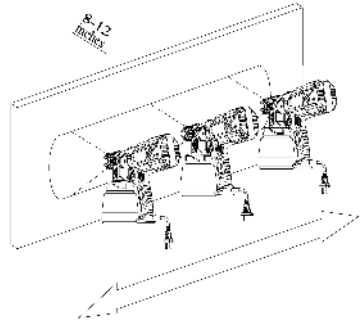
4-9) Open the power switch, pull trigger, the paint will spray from the nozzle.

5. How to Spray Properly:

EVEN COAT THROUGHOUT

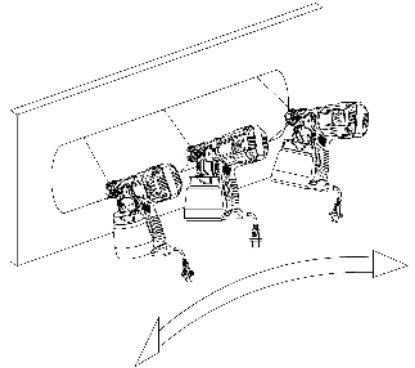
Correct:

Keep stroke smooth and at even speed.



Incorrect:

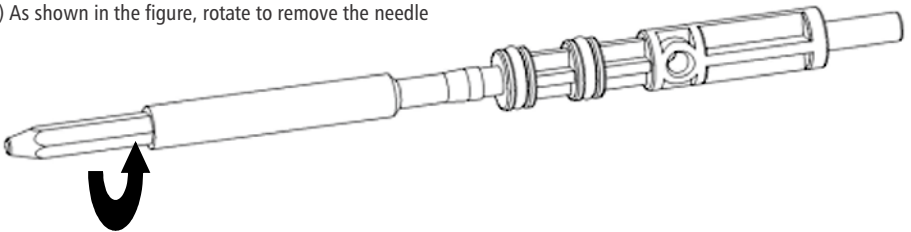
Do not flex wrist while spraying.



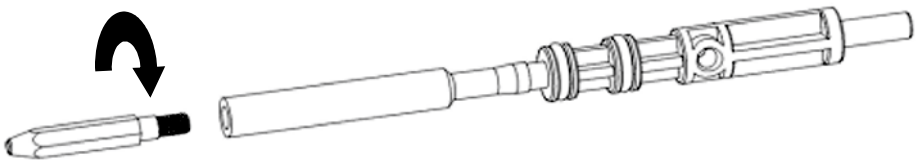
6. Replace Nozzle and Needle:

When disassembling the nozzle, please pull the trigger first, then press and remove the nozzle.

a) As shown in the figure, rotate to remove the needle



b) As shown in the figure, rotate to set up the needle



7. Troubleshooting:

Problem	Cause	Solution
A. little or no material flow	1. nozzle clogged 2. suction tube clogged 3. material volume setting may have turned too far to the right 4. suction tube loose 5. material is too thick 6. inconsistent paint 7. container is loose	1. clean 2. clean 3. turn to the left 4. insert 5. check viscosity 6. strain paint 7. tighten the container
B. material leaking	1. nozzle loose 2. nozzle worn 3. nozzle seal worn 4. material build-up on spray pattern dial and nozzle	1. tighten 2. replace 3. replace 4. clean
C. atomization is too coarse	1. viscosity of material too high 2. material volume too large 3. nozzle clogged 4. too little pressure build-up in container	1. thin the material 2. turn to the right 3. clean 4. tighten container
D. spray jet pulsates	1. material in container running out 2. material is too thick	1. refill 2. check viscosity
E. pattern runs or sags	1. applying too much material	1. adjust material flow or increase movement of spray gun
F. too much over-spray	1. gun too far from spray object 2. too much material applied	1. reduce distance 2. turn material volume setting to right
G. pattern is very light and splotchy	1. moving the spray gun too fast	1. adjust material flow or decrease movement of spray gun
H. large cloud of paint	1. gun too close to surface	1. move gun away from surface and reduce paint flow

8. Warning!

1. Keep your workplace clean and tidy, never use the tool in hazardous areas that contain flammable liquids, gases or dust.
2. Only use paints, solvents or other materials with a flash point of 73 °F(22C) or higher.
3. Never point the spray gun at other person or animal. In the event of an injury, seek immediate medical attention.
4. Always read the paint manufacturer's thinning instructions before use.
5. You must clean the spray gun thoroughly after each use.
6. Do not pull the power cord to move this tool.

Marketed by :

Manik Radiators Pvt. Ltd.

Shed No.3, Plot No. 126/1 2B, Village Horale, Khopoli Pen Road,
Khalapur, Raigad 410203, Maharashtra, INDIA Tel.: +91 22 660 47 000
E-mail: info@pilotindia.com • www.pilotindia.com