

ULV COLD FOGGER

KNAPSACK CORDLESS BATTERY POWERED

Model: Pioneer



USER'S MANUAL

Parts Name:



- A** Pressure Chamber
- B** Chemicals Tank
- C** Main Power Switch
- D** Flexible Hose
- E** Flow Rate Knob
- F** Nozzle Cover

Warning

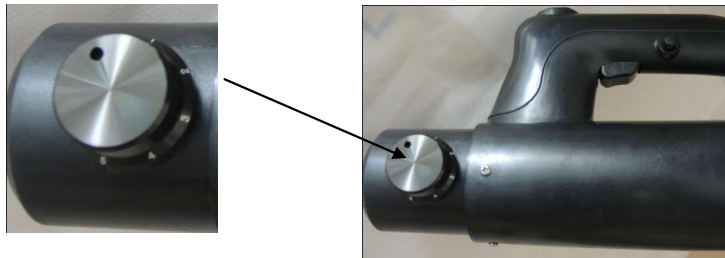
1. Charge battery before starting machine.
2. To maintain battery health: Every 2 months, drain and then fully charge the battery. Do not charge for more than 11 hours.
3. Do not turn the machine upside down while it contains solution.
4. After spraying chemicals, spray clean water.
5. Do not splash any liquid on machine.
6. Avoid spraying strongly-corrosive chemicals if possible. Otherwise, immediately spray clean water.
7. When adjusting flow rate, be careful where you point the nozzle.
8. Before storing, rinse solution tank with clean water.

Technical specification

Voltage	DC 24 V
Power	450 W
Dimension	33 x 24 x 49 CM
Net Weight	9.70 KG
Tank capacity	5 L / 1.3 GAL.
Flow rate	0 - 0.325 L/min, 0 - 9.61 OZ/min

Flow rate knob

Turn Flow Rate Knob counter-clockwise to increase flow rate and droplet size.



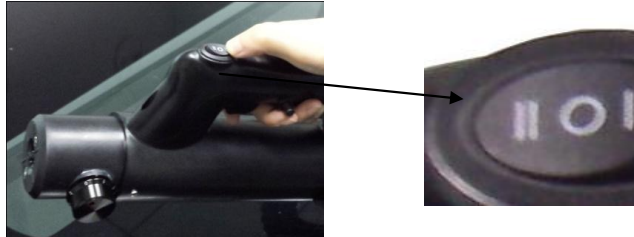
Adjust spraying direction

You can adjust spray direction in a 90 degree angle.

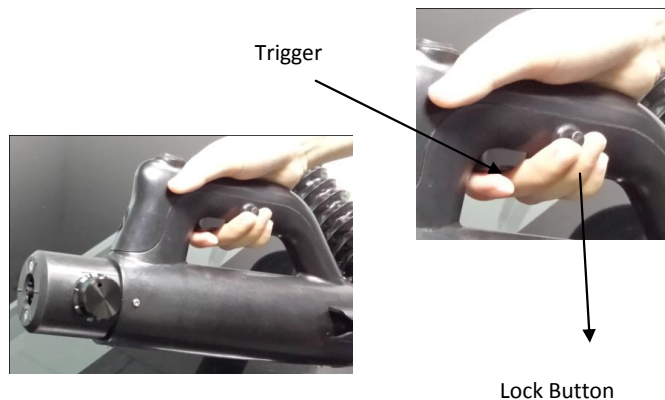


Operation

1. Fill chemicals and tighten cover.
2. Turn on **Mainpower switch**, wear backpack.
3. Turn on **Handle switch** (**I** -slow motor speed, **II** -fast motor speed, **O** - stop).



4. Start spraying
 - 4.1 Pull trigger and release for a quick spray.
 - 4.2 Hold trigger to spray continuously.
 - 4.3 You can also spray continuously by pressing the Lock button..
 - 4.4 Release trigger to stop spraying.



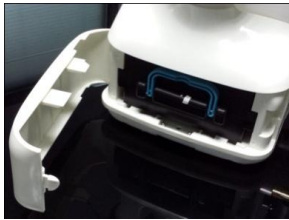
5. Adjust flow rate using the flow rate knob.
6. Stop spraying
 - 6.1 Dial down the flow rate knob.
 - 6.2 Turn handle power switch to O.
 - 6.3 Turn off the main power switch.
7. Discharge residual chemicals.

Battery replacement

Push battery catch device. Open battery cover.



Pull out battery,



Push battery into cabinet following the battery grooves, press catch device and then close battery cover.



Charge battery



Turn on Main Power Switch nearby the motor.

Pay attention to the indicator light.

- 3 green lights and 1 yellow light – battery is full.
- No green lights, 1 yellow light – battery at 25%.
- Red light – battery nearly drained, and needs recharging.

Battery can be charged in-place...



or separate from machine.



Check charger indicative light:



red – still charging

green – charge complete

Please note: If the green light still doesn't turn on after 11 hours, disconnect the battery. It is done charging. Charging for longer than 11 hours will damage the battery.

To maintain battery health: Every 2 months, drain and then fully charge the battery. Do not charge for more than 11 hours.

Spare Parts List

Item No.	Spare parts name	Item No.	Spare parts name
1	Chemical solution tank	50	Spring
2	Gasket 50×42×3.5	51	Locked compression spring
3	Chemical solution tank cover	52	Locked slide block
4	Connecting belt	53	Screw ST2.9X16
5	Pressing buckle	54	Rocker swithch
6	Spring	55	Screw ST2.9X16
7	Pipe	56	Flat head hollow rivet
8	Pipe	57	Pulley
9	Tighten nut	58	Rivet
10	Fixed sheath	59	Valve adjusting block
11	Thin nut	60	Valve core
12	Sucktion pipe	61	O-ring
13	O-ring	62	O-ring
14	Plastic pipe	63	Two way valve
15	Suction head accessory	64	Extension spring
16	Suction head	66	Protected spring
17	Chemical solution filter	67	Water Pipe
18	Screw M4	68	Vortex device
19	Silo cover	69	Hexagon locknut
20	Screw M4X16	70	O-ring
21	Cap nut M4	71	Screw
22	Silo	72	Nozzle cover
23	Screw M4X12	73	Screw
24	Screw ST2.9X35	74	Adjuster lever
25	Door holder	75	Plastic limited block
26	Compression spring	76	Screw ST2.2X6
27	Battery cover	77	Flow rate adjusting knob
28	Hinge	78	Screw M3X12
29	Engine bearing	79	Knob cover
30	Screw	80	Water joint PG9
31	Battery	81	Screw ST4.2X13
32	Plug	82	Sleeve
34	Baffle	83	Screw M4X10
35	Screw 2.9X14	84	Connection strap
36	Flat washer	85	Pressure chamber
37	Screw M6X20	86	Switch
38	Elbow	87	Motor seal
39	Screw ST2.9X25	88	Motor
40	Connecting ring	89	Motor platen
41	Tapping screw PWA3X10	90	Screw ST2.9X16
42	Adaptor	91	Butt plate
43	Wire rope	92	Electricity display board
44	Bellows	93	Control board
45	Locked button	94	Insulated gasket
46	Screw	95	Screw M3X12
47	Handle, under part	96	Rear housing
48	Handle, top part	97	Nut M3
49	Valve switch button		