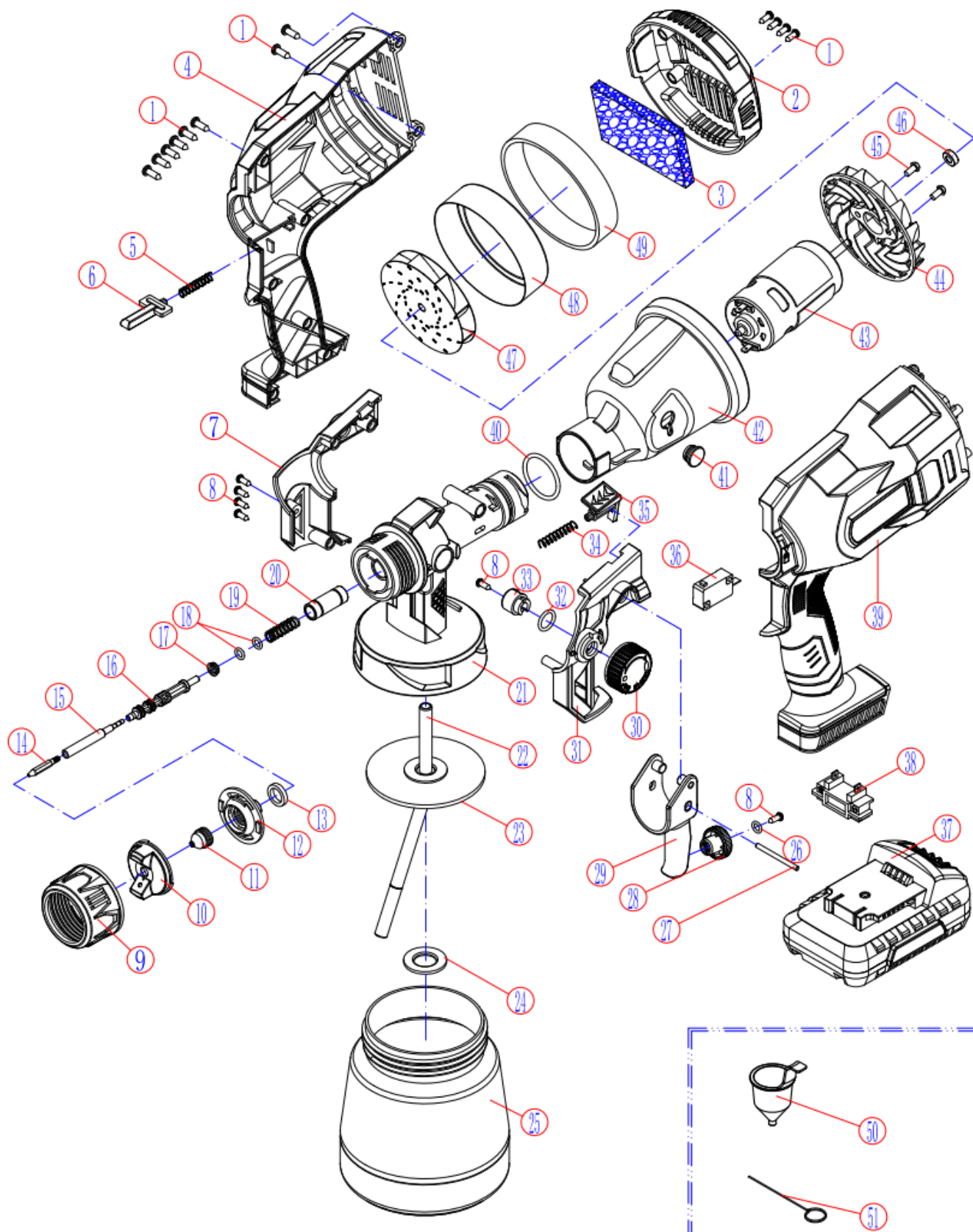# MedPro DEFENSE®

assura™

Professional Disinfectant Sprayer

Instruction manual

Model: 007-700

Before using the MedPro Defense Assura, read this manual thoroughly. Using any solution other than a MedPro Defense Disinfectant approved for use in commercial sprayers will void the warranty. Any improper use can cause damage or serious injury, and even lead to death.

I Expanded view:

1	ST2.9*10SCRE	18	O-ring	35	Lock catch
2	Rear cover	19	22 Needle spring	36	Microswitch
3	Cotton filter	20	Needle set	37	Battery pack
4	Right cover	21	FOGGER	38	Battery pack pin
5	Switch plunger spring	22	Pipette	39	Left cover
6	Switch plunger	23	Cup-ring	40	Fogger-ring
7	Right side cover	24	Suction pipe splint	41	Stopper
8	ST3.5*10SCRE	25	Cup	42	Motor cover
9	Big nut	26	Φ3 flat gasket	43	550 motor
10	Spray ball	27	Short pin	44	Fan
11	Spray nozzle	28	Stopper knob	45	M4*8 SCRE
12	Barge board	29	Trigger	46	Motor gasket
13	Nozzle seal	30	Adjusting knob	47	Fan leaf
14	Needle	31	Left side cover	48	Fan cover
15	Needle insert	32	O-ring	49	Dampening ring
16	Needle seat	33	Atomization circle	50	Funnel
17	Needle seal	34	Vent spring	51	Pin

II Technical parameters:
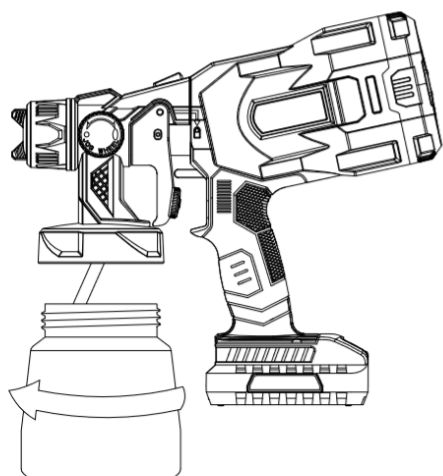
Model: 007-700	
Rated power:120W	Battery capacity: 2000mAh
Rated votage:18V	Width: 200-300mm
Frequency:50/60HZ	Viscosity: 8-12s
Rated speed:30000RPM	Disinfectant capacity: 800ml
Air flow:160L/MIN	Disinfectant flow:100-200ml/min

III Function:

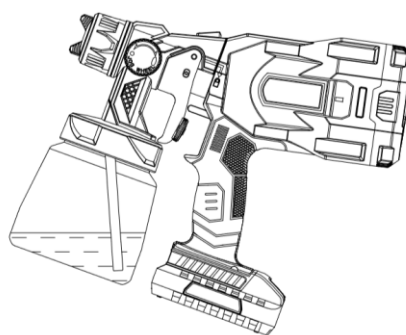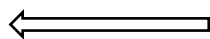Suitable for spraying approved MedPro Defense disinfectant liquides

IV How to use:

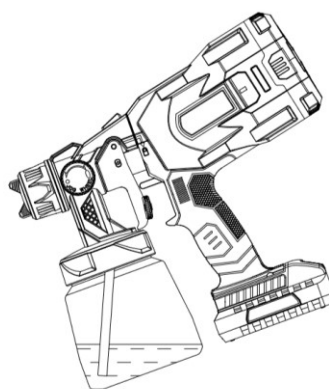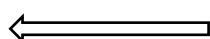1) Unscrew the disinfectant container from the sprayer.
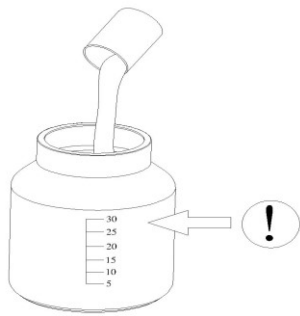
2) Adjust the suction tube.

Suction Tube ⟵

a) If spraying in an upward direction, the angled end of the suction tube should be pointing towards the rear of the sprayer.
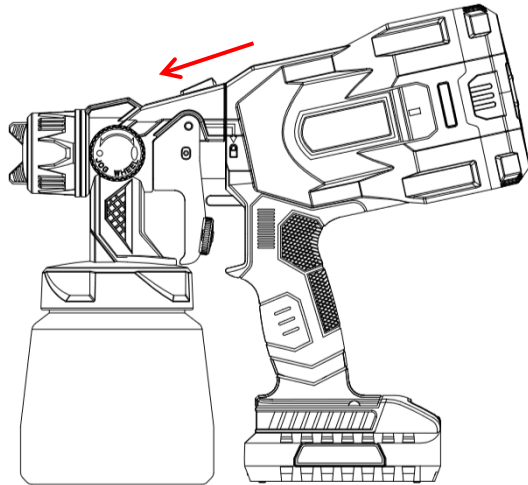

Suction Tube ⟵

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

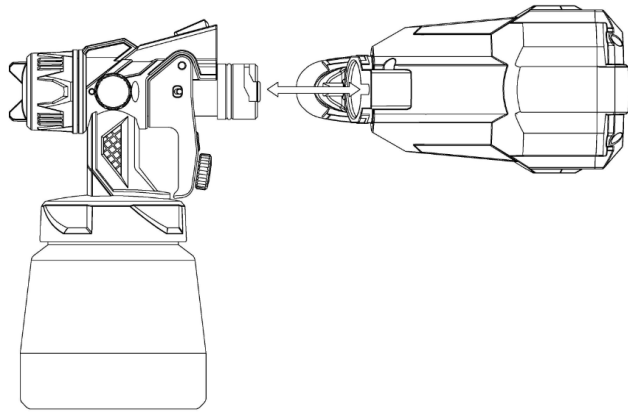3) Pour disinfectant into container, make sure not to exceed 800ml.

4) Remove the motor

a) Hold the sprayer 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 counterclockwise 90°.

c) Pull out to remove the motor from the sprayer.
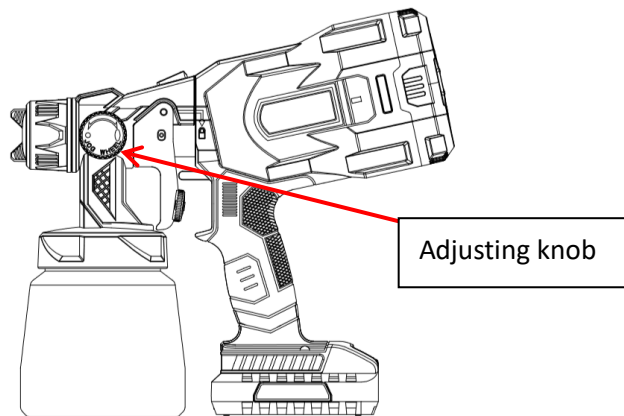

5) Connect sprayer body with motor.

a) Hold the sprayer with your hand to align the slot on the fogger with the slot on the motor and insert it (as shown in the figure).

b) Hold the motor handle with your hand, rotate the right hand clockwise 90°.

c) When the sprayer and host are parallel, it is locked.

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

a) Adjust the screw to the left to decrease disinfectant volume.

b) Adjust the screw to the right to increase disinfectant volume.
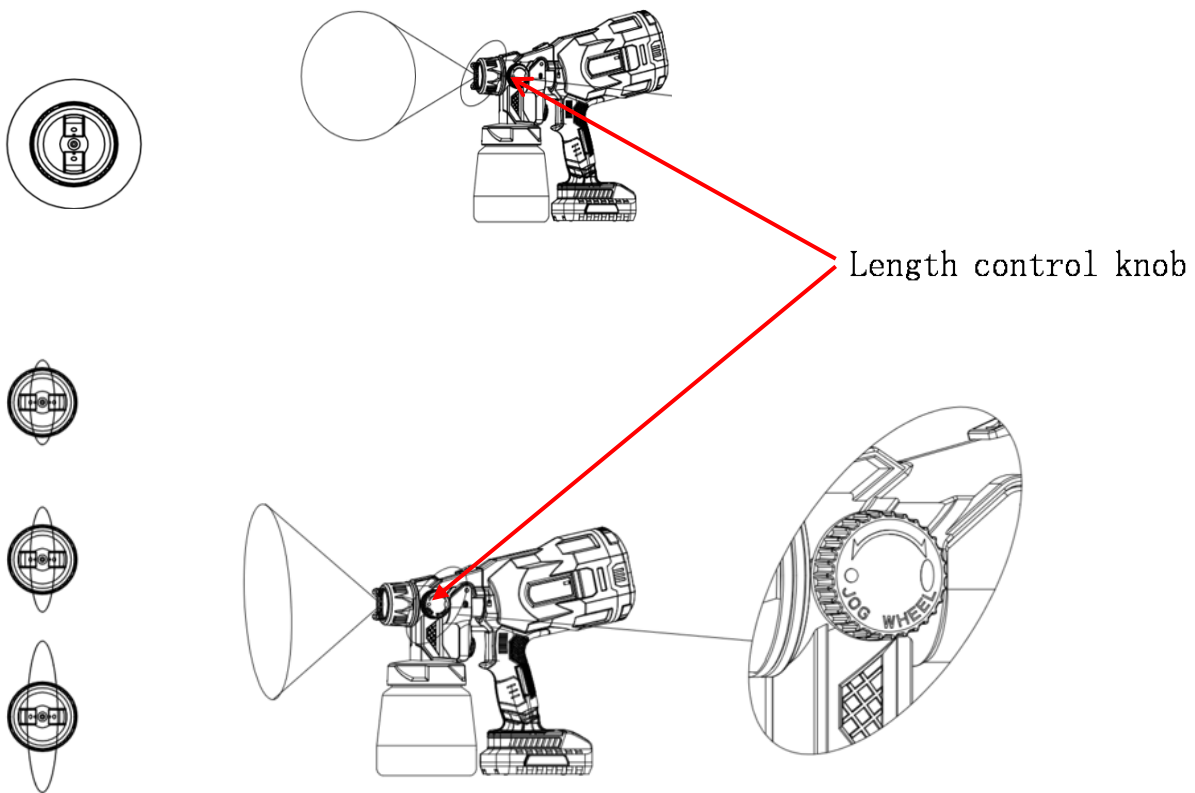

Adjusting knob

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 disinfectant.

a) A counter-clockwise rotation shortens the length of the spray, and when it reaches the stop position, it will spray with the largest pattern.
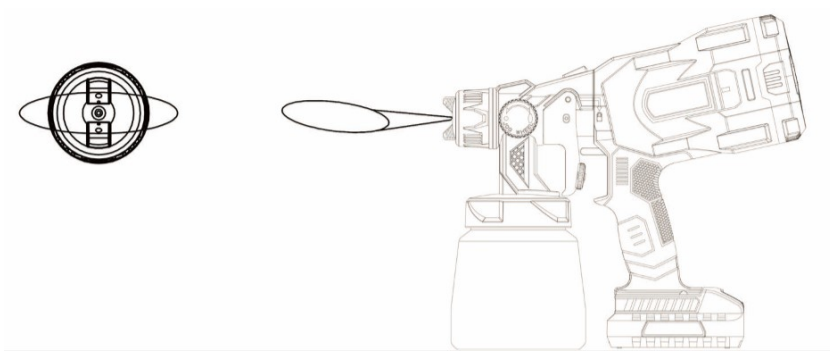
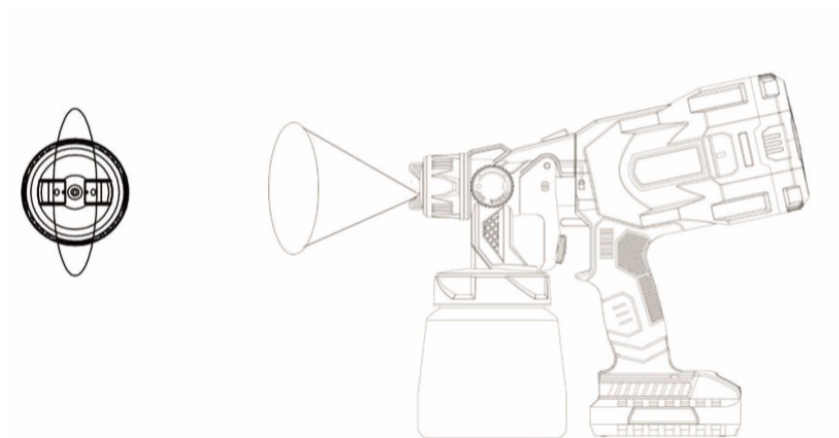b) A clockwise rotation will increase disinfectant volume and thickness.

Length control knob

JOG WHEEL

8) Adjusting spray patterns

a) The spray patterns can be changed from a horizontal oval fan pattern to a round

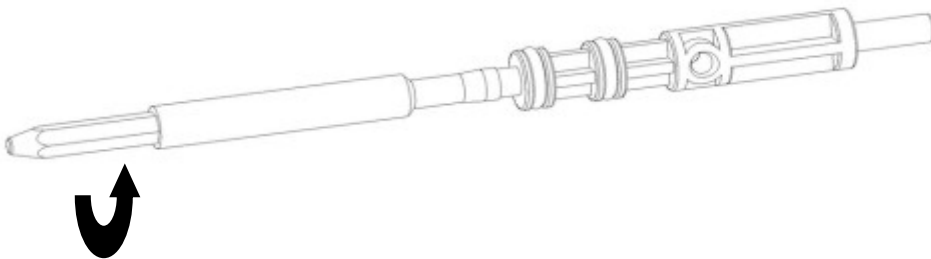b) Detailed pattern to a vertical fan pattern by adjusting the nozzle.

VERTICAL

HORIZONTAL

9) Toggle the power switch, pull trigger, and the disinfectant will spray from the nozzle.
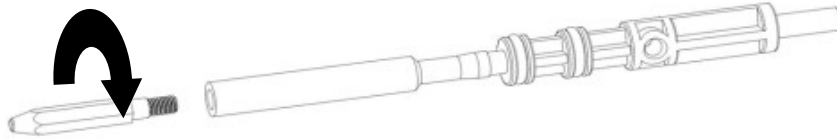
VI Replace nozzle and needle:

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

VII Troubleshooting:

Problem	Cause	Solution
Little to no disinfectant flow	1. Nozzle clogged 2. Suction tube clogged 3. Disinfectant volume setting turned too far clockwise 4. Suction tube loose 5. Container is loose	1. Clean 2. Clean 3. Turn to the left 4. Insert 5. Tighten the container
Disinfectant leaking	1. Nozzle loose 2. Nozzle worn 3. Nozzle seal worn 4. Disinfectant build-up on spray pattern dial and nozzle	1. Tighten 2. Replace 3. Replace 4. Clean
Atomization is too coarse	1.Nozzle clogged 2. Too little pressure build-up in container	1.Clean 2. Tighten container
Spray jet pulsates	1. Disinfectant in container running out.	1. Refill the disinfectant container. Do not exceed 800ml.
Pattern runs or drips	1. Applying too much Disinfectant	1. Adjust disinfectant flow or increase movement of sprayer
Not enough disinfectant coverage	1. Sprayer too far from spray target object or surface 2. Disinfectant volume setting turned too far counter-clockwise	1. Move closer to the target object or surface. 2. Adjust volume setting but turning it to the right (clockwise)
Pattern is very light and splotchy	1. Moving the sprayer too fast	1. Adjust the disinfectant flow or slow the movement of sprayer. Move in a smooth, steady motion.
Large wet spots	1. Sprayer too close to surface	1. Move sprayer away from surface and reduce disinfectant flow rate

VIII Warning!

1. Never point the sprayer at another person or animal. In the event of an injury, seek immediate medical attention.

2. Do not use any solution other than MedPro Defense disinfectants approved for use in commercial sprayers.

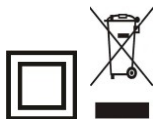3. Clean the sprayer thoroughly after each use.

📞   **514-737-5251 / 1 800-363-2381**

🖨   **514-737-6572 / 1-800-295-6672**

✉   **customer.service@amgmedical.com**

Note: Colours and attributes may vary