



ABN 23 604 979 688 Nerta QLD Pty Ltd t/as Chiefs Australia

### ST-83 Cold-Fog Air Hand Tool



#### Product Description:

The ST-83 cold fog hand tool is perfectly suited for the fogging application of disinfectants, odour neutralisers and insecticides. These units are made in Germany using a new cold fogging technology, requiring a compressed air connection with an effective air volume of around 180-220 l/min and at least 3 bar (44psi) air pressure. This will achieve a droplet size of below 30µm (0.03mm) with higher air pressures creating smaller droplets. The size of droplets will however depend on the type of disinfectant/product due to the influence on the surface tension of various products. The ST-83 is supplied with a 1 litre tank, which will cover around 60m<sup>3</sup> with pre-mixed product. This is an effective solution for disinfecting offices, veterinary surgeries, truck and earthmoving cabs, taxis and all public transport.

#### IMPORTANT INFORMATION

There are two nozzles included with the ST-83. A swirl nozzle and straight nozzle, below is a guide as to the settings to be used for each nozzle. It is extremely important to have the pressure correctly set. If the pressure is too low, the required venturi effect to lift any liquid for effective fogging will not be achieved. If the pressure is too high, the air pressure will overcome the venturi effect. Both scenarios will reduce the devices ability to fog correctly.

#### Technical Details:

##### Swirl Nozzle

Min: 2 Bar  
Max: 5 Bar  
Optimum 4 Bar

##### Straight Nozzle

Min: 0.5 Bar  
Max: 4.0 Bar  
Optimum: 2.0 Bar

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The ST-83 disinfection cold fogging device:

- Stainless steel / plastic.
- Safe application for disinfection.
- Minimum required pressure is 3 bar.
- A compressed air connection is required.

**Video Links:**

Instructional Video 1

[https://www.youtube.com/watch?time\\_continue=1&v=wLR28Fo53So&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1&v=wLR28Fo53So&feature=emb_logo)

Instructional Video 2

[https://www.youtube.com/watch?v=oLX6AxfL8xU&feature=emb\\_logo](https://www.youtube.com/watch?v=oLX6AxfL8xU&feature=emb_logo)

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