INNOVATIONS

NOZZLE FEATURES

The Pax-100

is built with the highest quality spray nozzles that can efficiently deliver the finest droplets with a consistent spray angle of **80 DEGREES.**

MADE IN CANADA

Features

MINIMAL CLOGGING

because the free passage diameter is 40% larger than conventional nozzles

CONSISTENT SPRAY

pattern due to the high-purity alumina ceramic tip

LONGER LIFE

due to the one-piece structure produced with one-shot injection molding

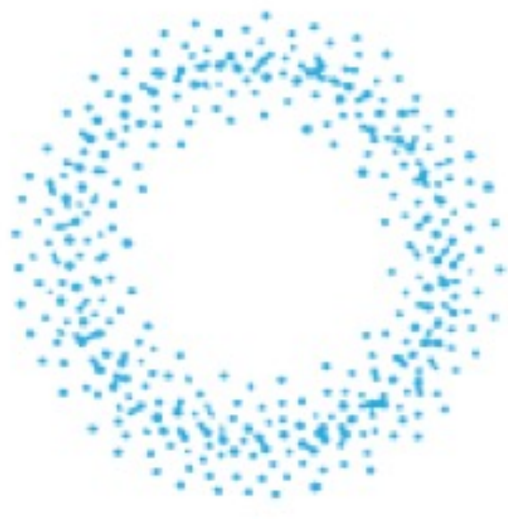
UNIFORM PARTICLE SIZE

due to the finest degree of atomisation amongst hydraulic nozzles

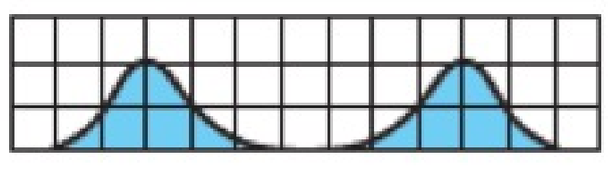
Depending on the disinfectant you choose to use and the intended dwell time, you have the option of choosing between the following micron sizes:

MICRONS 45 60 70

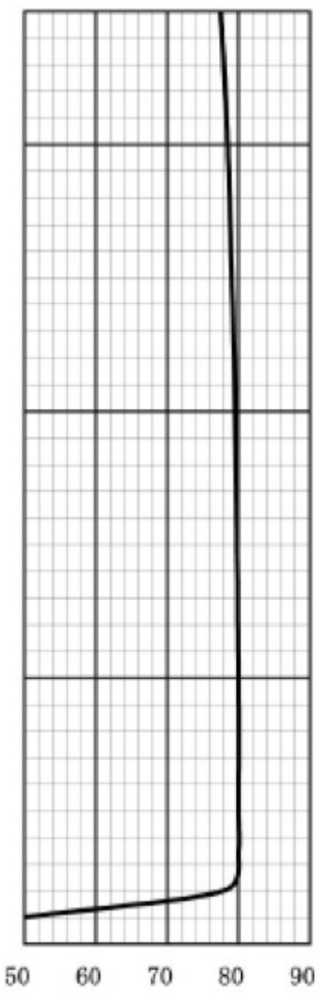
Test results



SPRAY PATTERN



SPRAY DISTRIBUTION



SPRAY ANGLE

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NOZZLE FEATURES

Your choice of nozzle to use with the Pax-100 electrostatic sprayer is very important in ensuring efficient usage and understanding the impact on dwell time will allow you choose the correct micron size to match your disinfectant and intended application.

Below you will find answers to a few relevant questions:

FAQ's

IN HOW LONG WILL IT DRY?

The drying time is heavily dependent on your choice of disinfectant, we recommend you closely review the guidelines provided by your disinfectant manufacturer.

Other factors that come into play include temperature and humidity so even open windows
could speed up dry times.

Lastly, the particle size of the disinfectant impacts dry time.

WHICH NOZZLE IS SUITABLE FOR SPRAYING COMPUTERS, PHONES AND OTHER ELECTRICAL DEVICES FOUND ON MY DESK?

Our nozzles are tested for uniformity of particle size which means that you will not have larger particles in the central cone of the stream. This reduces disinfectant accumulation on surfaces that could for example seep into the gaps between the keys on your keyboard or drip down your computer screen.

This uniformity in particle size makes it safe for spraying disinfectants on your office but we do recommend opting for the 45-micron nozzle on electronics.
Do not, however, spray into sockets and electrical ports.

FOR LONGER DWELL TIMES, DO I OPT FOR A LARGER MICRON

Yes, we recommend you opt for the 70-micron nozzle for longer dwell times, the opposite is true for shorter dwell times, we recommend using the 45-micron nozzle.

WILL USING THE LARGER MICRON SIZE NOZZLE LEAVE A RESIDUE?

The residue is formed partly due to non-uniform particle size whereby larger diameter particles for part of the stream. Given that particles are uniformly sized and that we have achieved a consistent spray pattern means that we have minimised chances of residue formation.

Having said that, a key determinant of residue formation is the amount of time one spends spraying a target object, we recommend using a figure S movement while applying the disinfectant at an average walking pace. If you see runs, then you are over saturating the surface by applying too much disinfectant.

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