

SIMPLE & INTEGRATED:
Easy set-up and operation with no hoses, cords or awkward valves.

RAPID
For example, 10 millilitres of saline is aerosolized in less than 10 minutes.

SILENT
Unlike most nebulizers.

ADAPTABLE
For use with metered dose inhalers (MDIs).

SAVINGS
On drug costs and administration time.



To get an aerosolized drug into the lower airways, where it is required to treat the associated respiratory problems, the size of the particles being produced is very important. These particles must be 5 microns or less in diameter to get into the lower airways. To put the size of these particles into context, a human hair is between 50 and 150 microns in diameter. As you see below, on average the total of particles produced by Flexineb of a diameter of 5 microns or less is approximately 68%. This means, on average, when using the Flexineb system, 68% of the drug or liquid will be aerosolized directly into the lower airways. This is very competitive compared to other portable nebulizers.

Test Solution	*Dv50 (µm)	% < 5µm
0.9% Saline	4.303	66
0.9% Saline	4.114	67
Liposomal Antibiotic	3.105	71

* Dv50 (µm) means 50% of droplets are below this value and 50% are above this value.

Nortev droplet size testing is carried out by independent laboratory @ Melbourn Scientific UK.

To give a further example of how the aerosol from a Flexineb deposits in the lungs, Nortev carried out a Nuclear Imagery study at Hagyard Equine Medical Institute in Lexington, Kentucky under the supervision of Dr. Nathan Slovis. Flexineb was used to nebulize radiopharmaceuticals, which were then inhaled directly into the lungs. Using nuclear imagery the dispersal of these radiopharmaceuticals via nebulization can clearly be seen to penetrate deep into the lung field.

