

WHY TO CHOOSE MESH NEBULIZER AND WHY INTEC TWISTER MESH ?

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The mesh nebulizers technology was developed in the end of the 1990s. The most important advantages of the mesh nebulizers, over other commonly used pneumatic nebulizers, have been the lack of or very small residual space, almost monodispersed aerosol, silent work, and mobility. The first two above-mentioned features enable a reduction in the medicament waste and a much better deposition of medicaments in the airways compared to those in pneumatic nebulizers. Since the dimension of particles generated by mesh nebulizers depends on the size of the membrane holes, their shape, and viscosity of the nebulized liquid and its surface tension, it is necessary that every model of a mesh nebulizer is checked with regard to each potential medicament to be aerosolized. Moreover, only devices equipped with a reverse cleaning function should be allowed for medical use, since the lack of this function leads to the emission of a polluted aerosol and, in effect, to membrane clogging .

Keywords: Mesh nebulizer, Pneumatic nebulizer, Residual npace, Monodispersed aerosol, Reverse cleaning function