

# Ultrasound nebuliser



The ultrasound nebuliser is capable of generating a fog of micron sized droplets. The size of the droplets, which are in the order of  $5\mu\text{m}$ , means that medication can be easily delivered right down to the level of the bronchioles. This device, used for intensive aerosol therapy treatments, was developed in partnership with an SME which is a market leader in medical nebulisers. One of the challenges with this technology was to simplify the nebuliser so that it could be used on a completely stand alone basis by both patients and health workers. The device has been very well received by the health sector particularly for its robustness and safety features. The client-partner in the project chose to concentrate on its core activities leaving Télémaq to undertake the process of managing the technical development as the device evolved to better meet patient needs.

The electronic card, run by a micro-controller, is technically sophisticated supplying 100 Watts at 2.4 MHz.



*de la suite  
dans vos idées !*