

## The new Fluidics Oil Burner Nozzle - because one brand must be the leader in nozzle technology ...

No improvement means stagnation so Fluidics has initialized constructing and building up of probably the most advanced oil burner nozzle manufacturing of the world in Europe. Now this facility is ready to start and the Fluidics Oil Burner Nozzles produced this way will have the following advantages:

- The nozzle tip was set back slightly to avoid damage of the nozzle bore and tip.
- The filter material of the inner and outer filter consists of spherical bronze instead of cut wire particles which makes a more uniform filter structure with a more predictable filtering result.
- All nozzle sizes now have an outer and inner filter which is adapted to the nozzle size in filter width. Thereby also the bigger flow rates gain more filtration area.
- Manufacturing was automated according to the latest state of technology. Tip manufacturing, nozzle mounting and testing are done fully automated in a closed up cabin to avoid any influences on the product by human failures or contamination.
- By using most advanced machines and manufacturing techniques Fluidics can deliver a perfectly reliable nozzle with very little tolerances.
- All nozzles are tested 100 percent and fully automated for output, spray angle and spray pattern. Flow rate is instantly tested by means of a specially developed flow rate sensor.
- Spray angle and spray pattern are tested by a camera system and all data are checked and saved by specially designed software.
- A laser beam based testing of the spray pattern guarantees a perfect spray pattern of every batch manufactured nozzle.
- All nozzles are immediately packed and marked after final testing to protect them from external influences.
- Nozzle tip and distributor are manufactured with only one part fixing to achieve minimum tolerances below EN 293 standard.
- Finally also this automated manufacturing was certified according to ISO 9001:2000 like all other departments of Fluidics Instruments B. V.



By introducing this most advanced technology for nozzle manufacturing Fluidics Instruments redefines the standard for today's precision and accuracy.

Fluidics Oil Burner Nozzles – Everything else is a compromise