

Ultrasonic Spray Nozzle

Applications :

Spray dryer | Thin Film coating | Uniform coating | Biomedical Application
Semiconductor Electronics Application | Nano Technology Coating



Ultrasonic Nozzle



RF Generator

Technical specifications:

1. Nozzle operating Frequency - 60/120KHz.
2. O/P Power - upto 15 Watts Continuous / 20 Watts Intermediate.
3. Power Supply - 90 to 270 VAC.
4. Control - Microcontroller operated with auto adjustment of Frequency / wattage with reference feed flow rate.
5. Display - LCD Display for Wattage.
6. Nozzle Tip - Titanium Alloy 6Al - 4V.
7. Housing - SS 316.
8. Max. Operating Temperature - 130° C (Inlet Air Temperature).
9. Operation - Standalone Operation.
10. Droplet size for 60 KHz Nozzle < 100 microns*
for 120 KHz Nozzle < 50 microns*

Syringe Pump (Optional).

- 1- Syringe 10, 20, 30, 50 / 60 ml
standard with automatic size detection
- 2- Flow rate : 0.1-999.9 ml / hr
(depending on syringe size)
with increment of 0.1 ml / hr
- 3- Accuracy : volume \pm 1%, time \pm 1%
- 4- Battery Back-up: 5/6 hrs (Typ) @ 5 ml / hr
- 5- Battery Recharging : 20 hrs for full charge
- 6- Display : Premium look with green colour
LCD display



* Droplet size will depend on
Flow rate, Viscosity & Liquid Media.

Techno Search
Instruments
technological essentials