

WaveNxT Technologies Ultrasonic Spray Nozzle 60 KHz Nozzle (Conical/ Flat / Torch)



Target Spray on Specific Area and of Specific Type

Specifications		
Sr. No.	Description	Figures
1	Operating frequency	60 KHz
2	Median drop diameter	40 μm
3	Maximum flow rate (Water)	5 ml / min.
4	Maximum power consumption	20 watts
5	Normal power consumption (Subject to flow rate and solution viscosity)	2 to 7 watts
6	Weight	1000 gm
7	Operating temperature Range	15°C to 55°C
8	Transducer material	Titanium
9	Transducer enclosure	SS316
10	Liquid inlet	SS316
11	RF Input (output from nozzle drive system)	BNC connector
12	O ring (Isolate transducer from external environment)	Viton®

Ultrasonic spray nozzle : Flat
OPERATING FREQUENCY 60KHz 120KHz 180KHz

Ultrasonic spray nozzle : Coacial
OPERATING FREQUENCY 60KHz 120KHz 180KHz

Ultrasonic spray nozzle : Torch
OPERATING FREQUENCY 60KHz 120KHz 180KHz

Specifications

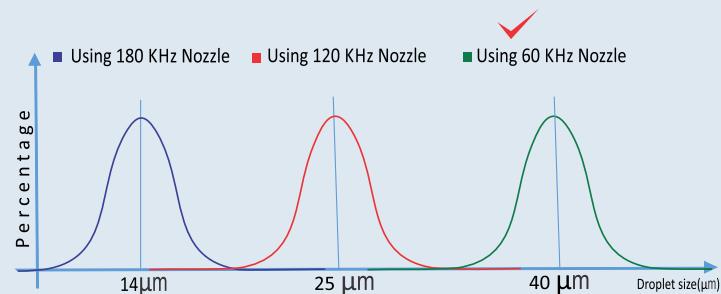
Sr. No.	Description	Figures
1	Operating frequency	60 KHz $\pm 10\%$
2	Maximum power drive	20 watts
3	Maximum operating temperature	85°C
4	Enclosure (Schneider Electric President Systems Ltd.)	S42 2U/42T/245
5	RF output	Bulk head BNC connector female
6	Technology	Digital synthesis
7	LCD display	Alphanumeric 16 X 2
8	Parameter set and menu navigation	Menu switches
9	Power on switch	16 Amps, Elcom®
10	AC power source operating voltage range	90 to 270 Volts
11	Fuse slow blow	1 Amps + extra 1.5 amps
12	3 Pin Mains chord	5 Amps, Elcom®
13	Power pack	± 12 volts, 3 Amps, with EMI filter Surge protection
14	RS 232C serial communication port	Optional
15	RF coaxial cable (BNC to BNC)	RG316, 50Ω, 2 meters
16	Power pack to eNozzle drive system 3 core DC cable	15 Amps, 1 meter
17	Weight	1.2Kg

eNozzle drive system



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Nano Coating/Spray Pyrolysis



Ultrasonic Atomizer spray drying



PCB Spray Fluxing

The Nozzle operating frequency of 180 KHz gives average droplet size of 14 μm , 120 KHz gives average droplet size of 25 μm and 60 KHz gives average droplet size of 40 μm . With eNozzle drive system you enjoy power of deriving droplet sizes matching to your research/ process/ production needs.

 : +91 98812 33102 For Online Product Demonstration |  <https://www.youtube.com/@wavenxd>