

WaveNxD Technologies
Ultrasonic Spray Nozzle
120 KHz Nozzle
(Conical/ Flat / Torch)



Target Spray on Specific Area
and of Specific Type

Specifications

Sr. No.	Description	Figures
1	Operating frequency	120 KHz
2	Median drop diameter	25µm
3	Maximum flow rate (Water)	3 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 enozzle drive system)	BNC connector
12	O ring (Isolate transducer from external environment)	Viton®



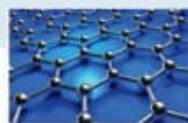
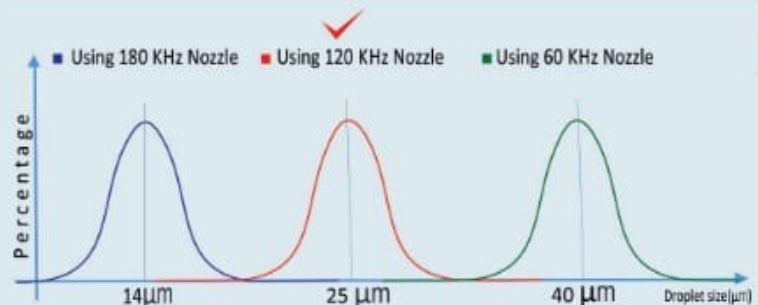
Specifications

Sr. No.	Description	Figures
1	Operating frequency	120 KHz ±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 25µm 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 YouTube <https://www.youtube.com/@wavenxd>