

HI-SPRAY is a high flow rate effervescent atomizer developed by En'Urga Inc. that provides sub-10 micron drops for a wide range of flow conditions and pressures. HI-SPRAY nozzles are used in a variety of applications including agricultural sprays, industrial painting, and engine thrust augmentation. HI-SPRAY is available in a variety of configurations to match your specific needs.

Specifications

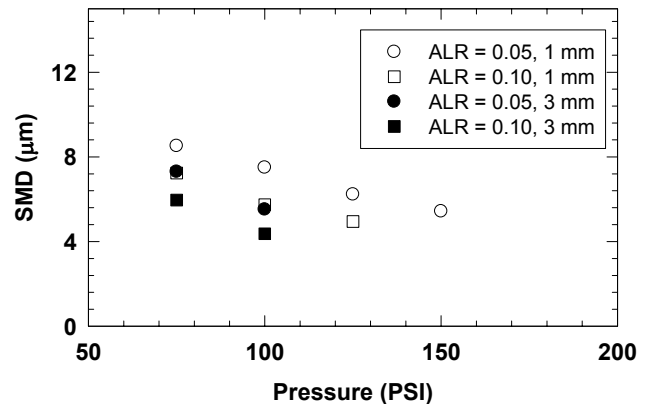
Weight	1.5 lbs
Max. Pressure	600 PSI
Water inlet	1/4" INPT
Air inlet	1/4" NPT
Material	Aluminum
Max. Temperature	50 °C
Nozzle diameters	1mm, 3 mm
Dimensions (A,B,C)	6.9", 8.1", 2.0"

Sample Performance (3mm nozzle)*

P (PSI)	ALR (by mass)	SMD (µm)	Flow (g/s)	0.9 D (µm)
75	0.05	7.30	39.6	58.4
100	0.05	5.52	53.6	50.2
75	0.10	5.96	27.8	58.4
100	0.10	4.37	35.3	45.9

Sample Performance (1mm nozzle)*

P (PSI)	ALR (by mass)	SMD (µm)	Flow (g/s)	0.9 D (µm)
75	0.05	8.52	25.2	60.1
150	0.05	5.43	41.6	44.8
75	0.10	7.24	13.9	48.9
125	0.10	4.95	24.0	37.5



*Drop size measurements were obtained using a PDA. The obscuration was less than 0.95 for all the measurements reported here.

Drop sizes from the HI-SPRAY nozzle.