

Fine Atomization

DESIGN FEATURES

- No internal parts
- Two-piece unit with O-ring seals
- Installation requires only single drill hole and finger tightening
- Withstands pressures to 35 bar
- Removable for cleaning or replacement without tools
- Ideal for manifold installation

SPRAY CHARACTERISTICS

- Finest fog of any direct pressure nozzle
- Produces high percentage of droplets under 50 microns

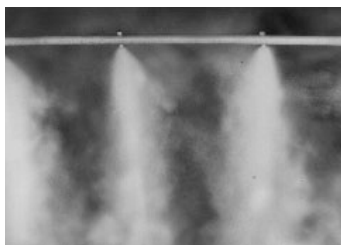
Spray pattern: Cone-shaped Fog

Spray angle: 90°. For best 90° pattern operate nozzle at or above 4 bar

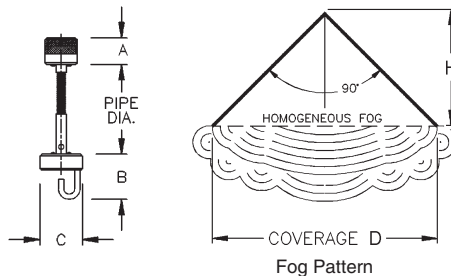
Flow rates: 0.200 to 9.11 l/min



OC Installed in Pipe



Homogeneous Fog



OC Flow Rates and Dimensions

Impingement, 90° Spray Angle, 1/2" to 3" Pipe Schedules

Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR								Approx. Orifice Dia. (mm)	Approx. Coverage D (mm)	Approx. Spray Height H (mm)	Dimensions (mm)			Wt. (g) Metal
			2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	20 bar	30 bar				A	B	C	
1/2	OC20	0.141	0.200	0.245	0.283	0.316	0.374	0.447	0.632	0.774	0.508	300	150	7.87	12.7	12.7	14
	OC32	0.344	0.487	0.596	0.688	0.769	0.910	1.09	1.54	1.88	0.813	560	280				
TO	OC48	0.661	0.935	1.14	1.32	1.48	1.75	2.09	2.96	3.62	1.22	710	355				
	OC66	1.19	1.68	2.05	2.37	2.65	3.14	3.75	5.30	6.49	1.68	910	455				
3	OC80	1.66	2.35	2.88	3.33	3.72	4.40	5.26	7.44	9.11	2.03	1200	600				

$$\text{Flow Rate (l/min)} = K \sqrt{\text{bar}}$$

Standard Materials: Brass Body with 316 Stainless Steel Pin. See chart on page 21 for complete list.



IMPINGEMENT

CALL 413-772-2166
Call for the name of your nearest BETE representative.