

OC

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 500 psi
- 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

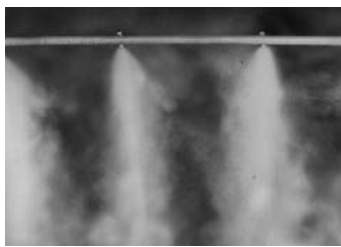
Spray pattern: Cone-shaped Fog

Spray angle: 90°. For best 90° pattern operate nozzle at or above 60 psi

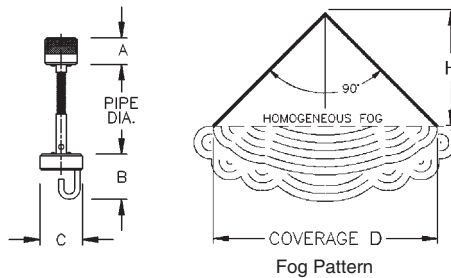
Flow rates: 0.054 to 2.31 gpm



OC Installed in Pipe



Homogeneous Fog



OC Flow Rates and Dimensions

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

Pipe Size	Nozzle Number	K Factor	GALLONS PER MINUTE @ PSI								Approx. Orifice Dia. (in.)	Approx. Coverage (inches) D	Approx. Spray Height (in.) H	Dimensions (in.)			Wt. (oz.) Metal
			30 PSI	40 PSI	50 PSI	60 PSI	80 PSI	100 PSI	200 PSI	400 PSI				A	B	C	
1/2	OC20	0.0098	0.054	0.062	0.069	0.076	0.088	0.098	0.139	0.20	0.020	12	6	0.31	0.50	0.50	0.5
	OC32	0.0239	0.131	0.151	0.169	0.185	0.21	0.24	0.34	0.48	0.032	22	11				
TO	OC48	0.0459	0.25	0.29	0.32	0.36	0.41	0.46	0.65	0.92	0.048	28	14				
3	OC66	0.0822	0.45	0.52	0.58	0.64	0.74	0.82	1.16	1.64	0.066	36	18				
	OC80	0.115	0.63	0.73	0.82	0.89	1.03	1.15	1.63	2.31	0.080	48	24				

$$\text{Flow Rate (GPM)} = K \sqrt{\text{PSI}}$$

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.