

PJ

Smallest Physical Size

DESIGN FEATURES

- High energy efficiency
- One-piece, compact construction
- No whirl vanes or internal parts
- 1/8" or 1/4" male connection
- 100-mesh screen, 10 micron paper filter or polypropylene filter optional

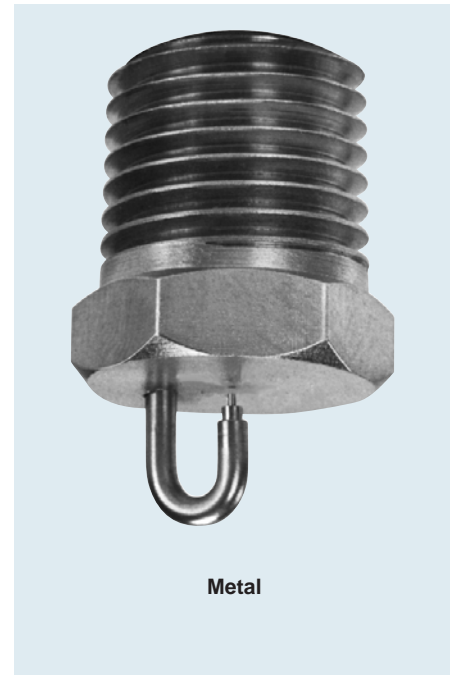
SPRAY CHARACTERISTICS

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

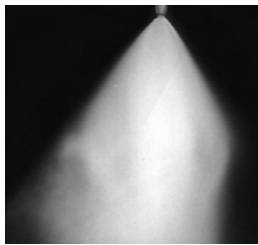
Spray pattern: Cone-shaped Fog

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

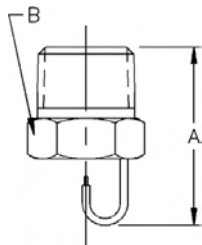
Flow rates: 0.013 to 1.4 gpm



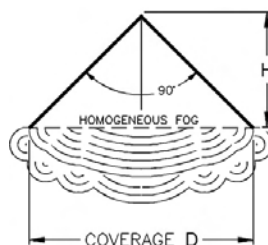
Metal



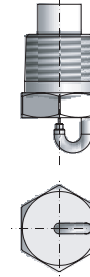
Fog



Male



Fog Pattern



PJ with polypropylene filter

Dimensions are approximate. Check with BETE for critical dimension applications.

PJ Flow Rates and Dimensions

Impingement, 90° Spray Angle, 1/8" or 1/4" Pipe Sizes

Male Pipe Size	Nozzle Number	K Factor	GALLONS PER MINUTE @ PSI								Approx. Orifice Dia. (in.)	Approx. Coverage (inches) D	Approx. Spray Height H (in.)	Approx. Dim. (in.)		Wt. (oz.) Metal	
			30 PSI	40 PSI	50 PSI	60 PSI	80 PSI	100 PSI	200 PSI	400 PSI				Pipe Size	A		B
1/8	PJ6	0.00095			0.006	0.007	0.008	0.010	0.013	0.019	0.006	10	5	1/8	0.75	0.44	0.25
	PJ8	0.00180			0.013	0.014	0.016	0.018	0.025	0.036	0.008	10	5				
	PJ10	0.00269		0.017	0.019	0.021	0.024	0.027	0.038	0.054	0.010	10	5				
	PJ12	0.00364		0.023	0.026	0.028	0.033	0.036	0.051	0.073	0.012	10	5				
OR	PJ15	0.00585	0.032	0.037	0.041	0.045	0.052	0.059	0.083	0.117	0.015	10	5	1/4	0.97	0.56	
	PJ20	0.0106	0.058	0.067	0.075	0.082	0.095	0.11	0.15	0.21	0.020	12	6				
	PJ24	0.0158	0.087	0.10	0.11	0.12	0.14	0.16	0.22	0.32	0.024	16	8				
1/4	PJ28	0.0206	0.11	0.13	0.15	0.16	0.18	0.21	0.29	0.41	0.028	18	9	1/4	0.97	0.56	
	PJ32	0.0285	0.16	0.18	0.20	0.22	0.25	0.28	0.40	0.57	0.032	22	11				
	PJ40	0.0443	0.24	0.28	0.31	0.34	0.40	0.44	0.63	0.89	0.040	24	12				

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

Standard Materials: Brass, 303 Stainless Steel and 316 Stainless Steel.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

