PJ

Fine Atomization

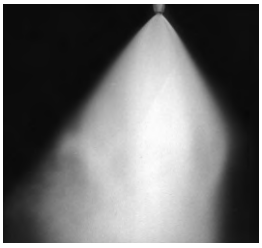
DESIGN FEATURES

- High energy efficiency
- No whirl vanes or internal parts
- 1/8" or 1/4" male connection
- Standard: 100-mesh 316SS screen
  - Optional: 200-mesh 316SS screen
  - Optional: 20 micron paper filter
  - Optional: 70 micron polypropylene filter
- Optional welded pin and optional safety wire hole

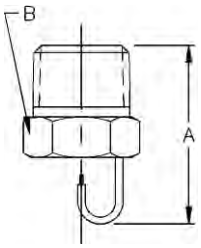
SPRAY CHARACTERISTICS

- Finest fog of any direct pressure nozzle

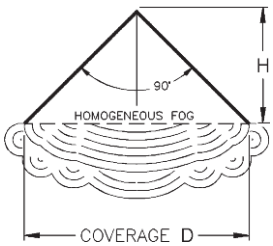
Spray pattern: Cone-shaped Fog
Spray angle: 90°. For best 90° pattern operate nozzle at or above 60 psi
Flow rates: 0.013 to 1.4 gpm



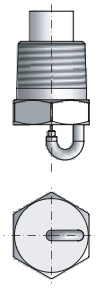
Fog



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 10 PSI	30 PSI	40 PSI	50 PSI	60 PSI	80 PSI	100 PSI	200 PSI	400 PSI	Approx. Orifice Dia. (in.)	Approx. Coverage (inches) D	Approx. Spray Height H (in.)	Pipe Size	Approx. Dim. (in.) A	B	Wt. (oz.) Metal
	PJ6	0.00095				0.006	0.007	0.008	0.010	0.013	0.019	0.006	10	5				
	PJ8	0.00180				0.013	0.014	0.016	0.018	0.025	0.036	0.008	10	5				
1/8	PJ10	0.00269			0.017	0.019	0.021	0.024	0.027	0.038	0.054	0.010	10	5	1/8	0.75	0.44	
	PJ12	0.00364			0.023	0.026	0.028	0.033	0.036	0.051	0.073	0.012	10	5				
	PJ15	0.00585		0.032	0.037	0.041	0.045	0.052	0.059	0.083	0.117	0.015	10	5				
OR	PJ20	0.0106	0.034	0.058	0.067	0.075	0.082	0.095	0.11	0.15	0.21	0.020	12	6				0.25
	PJ24	0.0158	0.050	0.087	0.10	0.11	0.12	0.14	0.16	0.22	0.32	0.024	16	8				
	PJ28	0.0206	0.065	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	
1/4	PJ32	0.0285	0.090	0.16	0.18	0.20	0.22	0.25	0.28	0.40	0.57	0.032	22	11				
	PJ40	0.0443	0.14	0.24	0.28	0.31	0.34	0.40	0.44	0.63	0.89	0.040	24	12				

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

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

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