

# 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, 20 micron paper filter or 70 micron polypropylene filter optional
- Optional welded pin and optional safety wire hole

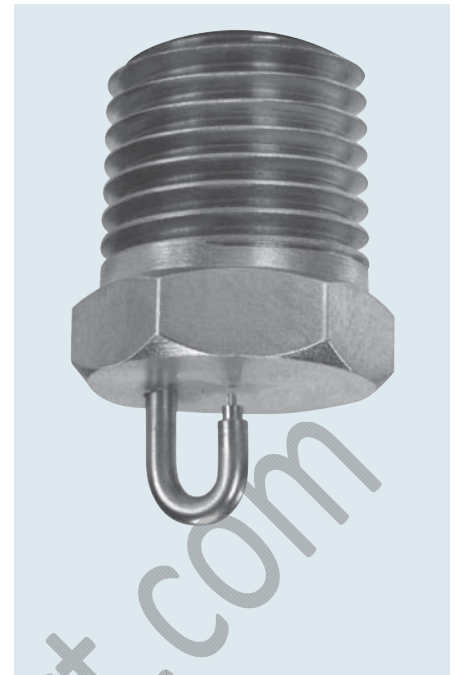
### SPRAY CHARACTERISTICS

- Finest fog of any direct pressure nozzle

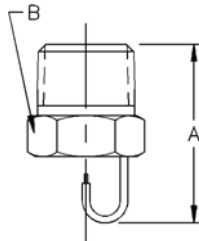
**Spray pattern:** Cone-shaped Fog

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

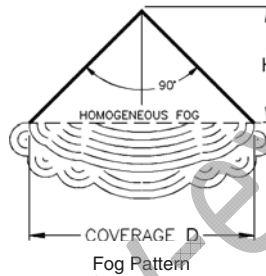
**Flow rates:** 0.043 to 5.34 l/min



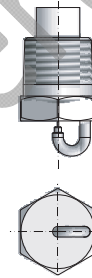
Fog



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, BSP or NPT

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR							Approx. Orifice Dia. (mm)	Approx. Cov. D (mm)	Approx. Spray Height H (mm)	Pipe Size	Dim. (mm)		Wt. (g) Metal
			2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar					70 bar	A	
1/8	PJ6	0.0137		0.031	0.043	0.061	0.075	0.097	0.114	0.152	203	103	1/8	19.1	11.1	7
	PJ8	0.0259		0.058	0.082	0.116	0.142	0.183	0.217	0.203	254	127				
	PJ10	0.0387	0.067	0.087	0.123	0.173	0.212	0.274	0.324	0.254	254	127				
	PJ12	0.0524	0.091	0.117	0.166	0.234	0.287	0.371	0.439	0.305	254	127				
	PJ15	0.0843	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.381	254	127				
OR	PJ20	0.153	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28	0.508	310	155	1/4	24.6	14.2
	PJ24	0.228	0.322	0.395	0.510	0.721	1.02	1.25	1.61	1.91	0.610	400	200			
	PJ28	0.296	0.419	0.513	0.662	0.937	1.32	1.62	2.09	2.48	0.711	460	230			
1/4	PJ32	0.410	0.580	0.710	0.917	1.297	1.83	2.25	2.90	3.43	0.813	560	280			
	PJ40	0.638	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34	1.02	610	305			

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

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

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



MISTING

CALL 413-772-0846  
Call for the name of your nearest BETE representative.