PJ

Smallest Physical Size

DESIGN FEATURES

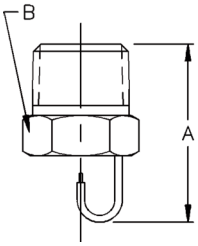
- High energy efficiency
- One-piece, compact construction
- No whirl vanes or internal parts
- 1/8” or 1/4” male connection
- Standard: 100-mesh 316SS screen
  - Optional: 200-mesh 316SS screen
  - Optional: 20 micron paper filter
  - Optional: 70 micron polypropylene filter
- Optional welded pin and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

SPRAY CHARACTERISTICS

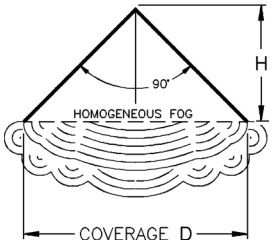
- Finest fog of any direct pressure nozzle

Spray pattern: Cone-shaped Fog
Spray angle: 90°. For best 90° pattern operate nozzle at or above 4 bar
Flow rates: 0.043 to 5.34 L/min

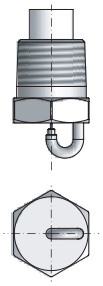
Fog



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 2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar	70 bar	Approx. Orifice Dia. (mm)	Approx. Cov. D (mm)	Approx. Spray Height H (mm)	Pipe Size	Dim. (mm) A	Dim. (mm) B	Wt. (g) Metal
	PJ6	0.0137			0.031	0.043	0.061	0.075	0.097	0.114	0.152	203	103				
	PJ8	0.0259			0.058	0.082	0.116	0.142	0.183	0.217	0.203	254	127				
1/8	PJ10	0.0387		0.067	0.087	0.123	0.173	0.212	0.274	0.324	0.254	254	127	1/8	19.1	11.1	
	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	0.705	0.381	254	127				7
OR	PJ20	0.153	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28	0.508	310	155				
	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	24.6	14.2	
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				

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

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

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