# PJ

BETE®
PERFORMANCE THROUGH ENGINEERING

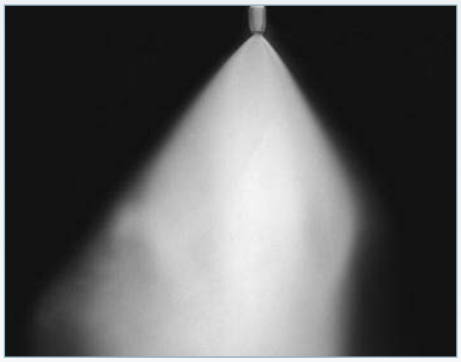
## *NEBELDÜSE KLEINSTE BAUGRÖSSE*
## *FOG NOZZLE SMALLEST PHYSICAL SIZE*

### AUSFÜHRUNG
- Hoher energetischer Wirkungsgrad
- Einteilige kompakte Ausführung
- Keine Drallscheiben oder sonstige Einbauten
- Anschluss mit Außengewinde, Nennweiten 1/8“ oder 1/4“
- Filtereinsatz 0,074 mm lichte Maschenweite auf Wunsch
- Eingebauter Papierfilter 10µm auf Wunsch

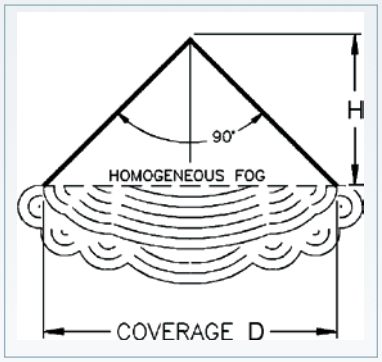
### SPRÜHEIGENSCHAFTEN
- Feinster Sprühnebel aller Eigendruckdüsen
- Hoher Prozentsatz der Tröpfchen im Bereich unter 50µm

### DESIGN FEATURES
- High energy efficiency
- One-piece, compact construction
- No whirl vanes or internal parts
- 1/8" or 1/4" male connection
- 100- or 200-mesh screen, 10 micron paper filter or polypropylene filter optional

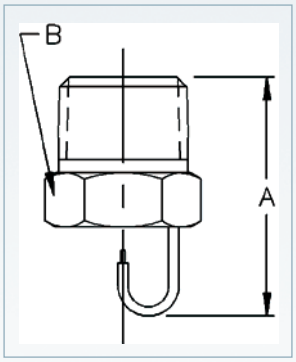
### SPRAY CHARACTERISTICS
- Finest fog of any direct pressure nozzle
- Produces high percentage of droplets under 50 microns



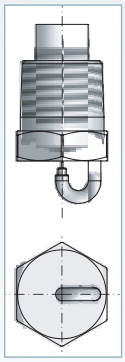
Sprühnebel
*Fog*




Nebel-Muster
*Fog pattern*




Anschluss
*Male*



PJ mit Polypropylen-Filter
*PJ with polypropylene filter*

Maße sind Ca.-Maße. Besprechen Sie Anwendungen mit kritischen Abmessungen mit BETE.
*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 | | | | |

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