NCJ

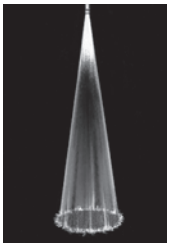
Hollow Cone/Narrow Angle Injector

DESIGN FEATURES
- Narrow spray angles
- High velocity
- Male and female connections
- Flanged connections available
- Available in plastic and metal alloys

SPRAY CHARACTERISTICS
- Spray is coarse and extremely hard-driving

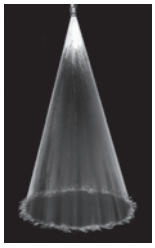
Spray pattern: Hollow Cone
Spray angles: 15°, 20°, and 30°
Flow rates: 23.1 to 4660 L/min
(Special flow rates available)

Metal

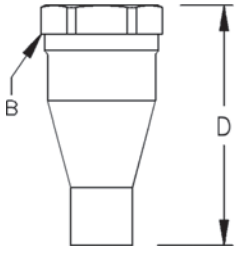


Hollow Cone 15°

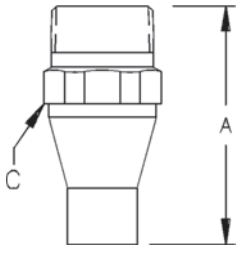
Hollow Cone 20°



Hollow Cone 30°



Female



Male

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

NCJ Flow Rates and Dimensions

Hollow Cone, 15°, 20°, and 30° Spray Angles, 3/4" to 6" Pipe Sizes, BSP or NPT

Male or Female Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR 0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	5 bar	7 bar	Approx. Orifice Dia. (mm)	Dimensions for Metal Only (mm) A	B	C	D	Wt. (kg) PVC	Metal
3/4	NC 0706J	32.0	23.1	27.0	32.0	38.7	44.3	53.6	68.1	79.8	7.52	82.6	34.9	28.4	82.6	0.04	0.34
1	NC 1012J	64.0	46.2	54.1	64.0	77.4	88.6	107	136	160	10.3	88.9	44.5	35.1	88.9	0.06	0.45
1 1/4	NC 1218J	95.9	69.3	81.1	95.9	116	133	161	204	239	12.3	102	50.8	44.5	102	0.11	0.57
1 1/2	NC 1526J	139	100	117	139	168	192	232	295	346	15.1	127	63.5	50.8	127	0.20	1.02
2	NC 2048J	256	185	216	256	310	354	429	545	638	20.2	152	76.2	63.5	152	0.37	1.13
2 1/2	NC 2572J	384	277	325	384	464	532	643	818	958	24.6	178	82.6	76.2	194	0.62	2.61
3	NC 30105J	560	404	473	560	677	775	938	1190	1400	29.5	203	97.5	88.9	203	0.85	2.84
4	NC 40190J	1010	731	856	1010	1230	1400	1700	2160	2530	40.5	251	127	114	278	2.04	6.80
6	NC 60350J	1860	1380	1580	1860	2260	2580	3130	3980	4660	54.0	343	181	168	381	2.78	15.9

Flow Rate $(L/_{min}) = K\,(bar)^{0.47}$

Standard Materials: Brass, 316 Stainless Steel, PVC, Polypropylene, and PTFE

NOTE for PTFE nozzles: if operating temperature is to exceed 150 °C or the operating pressure is to exceed the values listed in the table above, please contact BETE Applications Engineering for assistance.

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