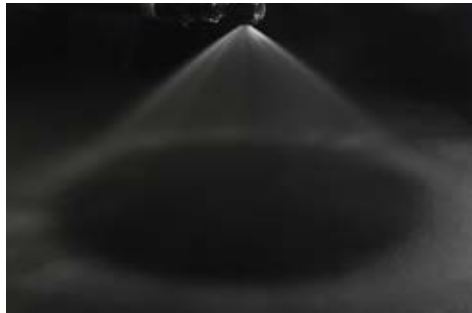


HOLLOW CONE NOZZLES

ULTRA WIDE ANGLE SPRAY



【 NPE 】



One-piece bar stock
1/4" to 3/8" NPT
or BSPT (F)

■ FEATURES AND BENEFITS

- Hollow cone spray pattern with a ring-shaped impact area.
- Spray angles of 150° to 165° at 1.5 bar.
- Small-to medium-sized drops.
- Unique design to minimize nozzle clogging.
- Uniform distribution over a wide range of flow rates and pressures.
- Forming a layer of very dense umbrella helps dust control.

■ MATERIALS

Material	Material Code	Nozzle Type
		NPE

Bar Stock:

Brass	(none)	•
303 Stainless Steel	SS	•
316 Stainless Steel	316SS	

Cast:

Brass	(none)	•
316 Stainless Steel	316SS	•

Other materials available upon request.

■ TYPICAL APPLICATION

- Chemical reaction processing
- Gas scrubbing, washing, cooling
- Metal treating, phosphate treating
- Moistening and wetting operations
- Product degreasing
- Water cooling
- Gas cooling
- Dust control

■ ORDERING INFO

Standard Spray Nozzle				
1/4	NPE	-	SS	8
I	I		I	I
Inlet Conn.	Nozzle Type		Material Code	Capacity Size

BSPT connections require the addition of a "B" prior to the inlet connection.

HOLLOW CONE NOZZLES

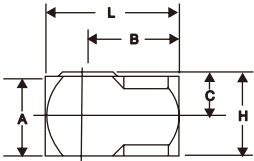
ULTRA WIDE ANGLE SPRAY

PERFORMANCE DATA

*At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Inlet Dia. Nom. (mm)	Orifice Dia. Nom. (mm)	Capacity (liters per minute)*												Spray Angle (°)*		
	NPE				0.2	0.4	0.5	0.7	1	1.5	2	3	4	6	7	0.5	1.5	6	
1/4	●	2	1.6	6.4	.40	.57	.63	.75	.90	1.0	1.2	1.5	1.7	2.1	2.3	-	165	158	
	●	5	2.4	6.4	.9	1.3	1.5	1.8	2.2	2.7	3.1	3.8	4.5	5.7	5.9	164	154	147	
	●	5.8	2.8	6.4	1.1	1.6	1.8	2.1	2.5	3.1	3.6	4.5	5.2	6.4	6.9	164	154	147	
	●	8	3.2	7.9	1.5	2.2	2.5	3.0	3.5	4.4	5.1	6.2	7.2	8.8	9.5	164	160	151	
	●	10	3.6	7.9	1.9	2.8	3.1	3.7	4.5	5.5	6.3	7.8	9.0	11.1	12.0	164	154	147	
3/8	●	8	2.8	12.3	1.5	2.2	2.5	3.0	3.5	4.4	5.1	6.2	7.2	8.8	9.5	164	160	157	
	●	10	3.2	12.3	1.9	2.8	3.1	3.7	4.5	5.5	6.3	7.8	9.0	11.1	12.0	164	160	157	
	●	15	4.4	12.3	3.0	4.2	4.7	5.6	6.7	8.3	9.6	11.7	13.6	16.7	18.0	165	163	155	
	●	20	5.2	12.3	4.0	5.7	6.3	7.5	9.0	11.1	12.8	15.7	18.1	21.9	23.9	162	152	147	
		25	5.9	12.3	5.0	7.1	8.0	9.4	11.3	13.9	16.0	19.6	22.9	27.9	29.9	162	158	154	
		33	6.7	16.3	6.6	9.4	10.5	12.5	14.9	18.3	20.9	25.9	29.9	36.9	39.9	162	154	148	
		53	9.5	16.3	10.7	15.2	17.0	19.9	23.9	29.9	33.9	41.9	47.9	58.9	63.9	159	152	149	

DIMENSIONS AND WEIGHTS

Standard	Nozzle Type	Inlet Conn. (in.)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	L (mm)	H (mm)	Net Weight (kg)
	NPE (F)	1/4	19 sq.	22	13	-	-	32	22	.06
		3/8	32 sq.	35	19	-	-	51	35	.51