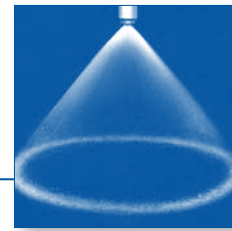




# Hollow cone nozzles

## Axial-low flow

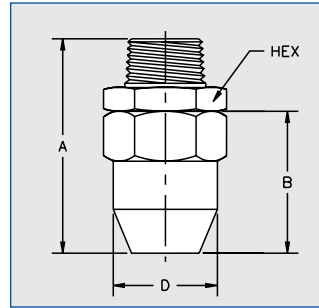
### Series 214 / 216



**Precision axial design offers fine atomization and uniform distribution. Swirl insert removable for cleaning.**

**Applications:**

- Gas cooling or cleaning
- Steam de-superheating
- Spray drying
- Dust suppression



Ordering no.	Dimensions (in.)					Approx. Wt. (lb.) Brass
	Thread Size Male NPT	Hex Size	A	B	D	
<b>214. xxx. YY. BA</b>	1/8	11/16	1.531	.718	.625	.15
<b>214. xxx. YY. BC</b>	1/4	11/16	1.593	.718	.625	.20
<b>216. xxx. YY. BC</b>	1/4	7/8	1.468	1.156	.843	.25
<b>216. xxx. YY. BE</b>	3/8	7/8	1.468	1.156	.843	.25

Spray angle	Ordering no.					Orifice diam. (in.)	Free Passage (in.)	Flow Rate (Gallons Per Minute)							Spray Diam. D (in.) @ 40 psi H=10"
	Type	Material no.		Connection				10 psi	20 psi	liters per minute	40 psi	60 psi	80 psi	100 psi	
		17	30	Male NPT 1/8" 1/4" 3/8"						2 bar					
60°	<b>214. 184</b>	○	○	<b>BA BC</b>	-	.020	.020	.01	.02	.08	.02	.03	.04	.04	8
	<b>214. 245</b>	○	○	<b>BA BC</b>	-	.039	.020	.02	.04	.16	.05	.06	.07	.08	18
60°	<b>214. 305</b>	○	○	<b>BA BC</b>	-	.071	.020	.05	.07	.32	.10	.12	.14	.16	18
	<b>216. 324</b>	○	○	-	<b>BC BE</b>	.039	.039	.06	.09	.40	.12	.15	.18	.20	8
	<b>216. 364</b>	○	○	-	<b>BC BE</b>	.055	.055	.10	.14	.63	.20	.24	.28	.31	8
90°	<b>216. 404</b>	○	○	-	<b>BC BE</b>	.079	.079	.16	.22	1.0	.31	.38	.44	.49	8
	<b>216. 496</b>	○	○	-	<b>BC BE</b>	.118	.079	.26	.37	1.7	.53	.65	.75	.83	20
	<b>216. 566</b>	○	○	-	<b>BC BE</b>	.158	.079	.39	.55	2.5	.78	.95	1.1	1.2	20
	<b>216. 646</b>	○	○	-	<b>BC BE</b>	.138	.079	.62	.88	4.0	1.2	1.5	1.8	2.0	20
	<b>216. 686</b>	○	○	-	<b>BC BE</b>	.158	.079	.78	1.1	5.0	1.6	1.9	2.2	2.5	20
	<b>216. 726</b>	○	○	-	<b>BC BE</b>	.197	.079	.98	1.4	6.3	2.0	2.4	2.8	3.1	20
	<b>216. 776</b>	○	○	-	<b>BC BE</b>	.236	.079	1.3	1.9	8.5	2.6	3.2	3.7	4.2	20

**Example**    Type    + Material no.    + Conn.    = Ordering no.  
**for ordering:** 216. 496 + 17                    + BC            = 216. 496. 17. BC

**This product line is also available in larger capacities up to 5 gpm @ 40 psi. Please contact Lechler if you require a larger size.**

Hollow cone

Conversion formula for the above series:  $V_2 = V_1 \sqrt{\frac{P_2}{P_1}}$   
 (See page 12 for symbol definitions.)

