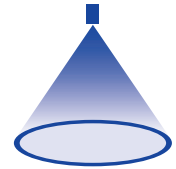


Axial-flow hollow cone nozzlesSeries 214/216

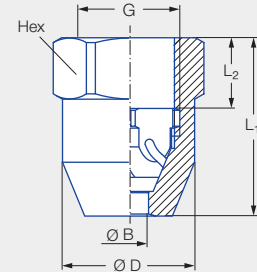


Features:

- Fine, uniform atomization

Applications:

- Cooling
- Gas washing
- Dust control
- Sprinkling
- Adiabatic cooling



Series 214/216

Series	G	Dimensions [mm]				Weight [kg] (Brass)
		L ₁	L ₂	Ø D	Hex	
214	1/8 BSPP	18.0	6.0	16.0	17	27.0
216	3/8 BSPP	29.0	12.0	21.3	22	60.0

Spray angle	Ordering no.			Bore diameter B [mm]	Narrowest free cross section Ø [mm]	V̇ water [l/min]							Spray diameter D [mm] (at p = 5 bar) 
	Type	Mat. no.				p [bar]							
		17	30										
		Stainless steel 316Ti	Brass			0.5	1.0	2.0	3.0	5.0	10.0	20.0	H =250 [mm]
60°	214.184	●	●	0.50	0.50	–	–	0.08	0.10	0.13	0.18	0.25	120
	216.324	●	●	1.00	1.00	–	0.28	0.40	0.49	0.63	0.89	1.26	190
	216.364	●	●	1.40	1.40	–	0.45	0.63	0.77	1.00	1.41	1.99	220
	216.404	●	●	2.00	2.00	–	0.71	1.00	1.22	1.58	2.24	3.16	240
80°	214.245	●	●	1.00	0.50	–	–	0.16	0.20	0.25	0.36	0.51	240
	214.305	●	●	1.80	0.50	–	0.23	0.32	0.39	0.51	0.72	1.01	320
90°	216.496	●	●	3.00	2.00	–	1.20	1.70	2.08	2.69	3.80	5.38	430
	216.566	●	●	4.00	2.00	–	1.77	2.50	3.06	3.95	5.59	7.91	430
	216.646	●	●	3.50	2.00	2.00	2.83	4.00	4.90	6.32	8.94	12.65	440
	216.686	●	●	4.00	2.00	2.50	3.54	5.00	6.12	7.91	11.18	15.81	450
	216.726	●	●	5.00	2.00	3.15	4.45	6.30	7.72	9.96	14.09	19.92	460
	216.776	●	●	6.00	2.00	4.30	6.00	8.50	10.40	13.40	19.00	26.90	470

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. = Ordering no.
example: 214.184 + 17 = 214.184.17



Assembly accessories can be found in Chapter 9 "Accessories".