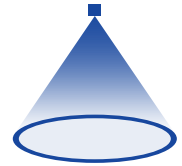


➤ Axial-flow hollow cone nozzles

Series 220

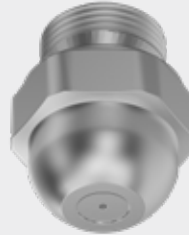


Features:

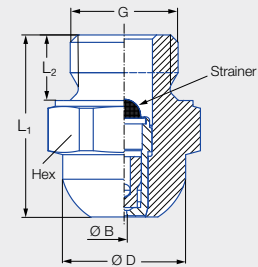
- Extremely fine, fog-like atomization

Applications:

- Humidification
- Cooling
- Disinfection
- Chemical engineering
- Adiabatic cooling



Series 220



Connection	G	Dimensions [in]				Weight [lb]
		L ₁	L ₂	Ø D	Hex (mm)	
BC	1/4 NPT	0.87	0.31	0.59	17	0.06

Spray angle	Ordering number			Bore diameter B [in]	Narrowest free cross section Ø [in]	Strainer in- sert mesh size [in]	V̇ water [gal/min]										Spray diameter D [in] (at p = 75 bar)	
	Type	Mat. no.					Connection	p [psi]										
		1Y	11															
		Stainless steel 316L	Stainless steel 430F					1/4 NPT	30	45	75	Liters per min. 5 bar	100	145	290	725	1450	H = 10 [in]
60°	220.004	●	●	BC	0.004	0.004	0.002	—	—	0.003	0.013	0.004	0.005	0.007	0.011	0.015	5	
	220.014	●	●	BC	0.006	0.006	0.002	—	0.004	0.005	0.019	0.006	0.007	0.010	0.016	0.022	6	
	220.054	●	●	BC	0.008	0.006	0.002	0.005	0.006	0.007	0.027	0.008	0.010	0.014	0.023	0.032	6	
80°	220.085	●	●	BC	0.010	0.010	0.004	0.007	0.008	0.011	0.040	0.012	0.015	0.021	0.033	0.047	7	
	220.125	●	●	BC	0.014	0.014	0.004	0.011	0.013	0.017	0.062	0.019	0.023	0.033	0.052	0.073	9	
	220.145	●	●	BC	0.016	0.016	0.004	0.014	0.017	0.022	0.082	0.025	0.031	0.043	0.068	0.097	10	
	220.165	●	●	BC	0.018	0.018	0.008	0.018	0.021	0.028	0.103	0.032	0.038	0.054	0.086	0.122	10	
	220.185	●	●	BC	0.022	0.014	0.008	0.022	0.027	0.035	0.130	0.040	0.049	0.069	0.109	0.154	11	
	220.205	●	●	BC	0.024	0.014	0.008	0.028	0.034	0.044	0.168	0.053	0.063	0.089	0.140	0.198	11	
	220.245	●	●	BC	0.028	0.020	0.008	0.044	0.054	0.070	0.261	0.081	0.097	0.138	0.218	0.308	11	
	220.285	●	●	BC	0.035	0.022	0.004	0.066	0.081	0.105	0.390	0.121	0.146	0.206	0.326	0.461	12	

Also available in BSPP

Mat. no.	Housing	Nozzle insert	Strainer
1Y	Stainless steel 316L	Stainless steel 316L	Stainless steel 316L
11	Stainless steel 430F	Stainless steel 430F	Stainless steel 316L

The supplied and integrated strainer insert prevents clogging of the nozzle, thereby ensuring a long service life.

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

Ordering Type + Material no. + Code = Ordering no.
example: 220.004 + 1Y + BC = 220.004.1Y.BC



Assembly accessories can be found in Chapter 12 "Accessories".