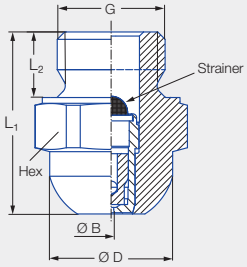
Axial-flow hollow cone nozzles
Series 220

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 insert mesh size [in]	V̇ water [gal/min]								Spray diameter D [in] (at p = 75 bar)
	Type	Mat. no. 1Y Stainless steel 316L	Mat. no. 11 Stainless steel 430F	Connection 1/4 NPT				p [psi]								
								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 example:	Type	+	Material no.	+	Code	=	Ordering no.
	220.004	+	1Y	+	BC	=	220.004.1Y.BC

Assembly accessories can be found in Chapter 12 “Accessories”.