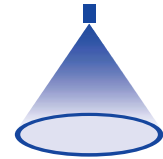


# ➤ Axial-flow hollow cone nozzles Series 220

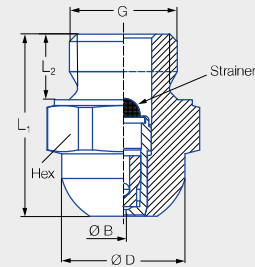


### Features:

- Extremely fine, fog-like atomization

### Applications:

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



Series 220

Code	G	Dimensions [mm]				Weight [g]
		L <sub>1</sub>	L <sub>2</sub>	Ø D	Hex	
AC	1/4 BSPP	22.0	8.0	15.0	17	27.0

Spray angle	Ordering no.				Bore diameter B [mm]	Narrowest free cross section Ø [mm]	Strainer insert mesh size [mm]	V̇ water [l/min]								Spray diameter D [mm] (at p = 5 bar)
	Type	Mat. no.		Code				p [bar]								
		1Y	11					2.0	3.0	5.0	7.0	10.0	20.0	50.0	100.0	
60°	220.004	●	●	AC	0.10	0.10	0.04	–	–	<b>0.013</b>	0.015	0.018	0.026	0.041	0.058	120
								–	0.015	<b>0.019</b>	0.022	0.027	0.038	0.060	0.085	140
								0.017	0.021	<b>0.027</b>	0.032	0.038	0.054	0.085	0.121	160
80°	220.085	●	●	AC	0.25	0.25	0.10	0.025	0.031	<b>0.040</b>	0.047	0.057	0.080	0.126	0.179	190
								0.039	0.048	<b>0.062</b>	0.073	0.088	0.124	0.196	0.277	230
								0.052	0.064	<b>0.082</b>	0.097	0.116	0.164	0.259	0.367	250
								0.065	0.080	<b>0.103</b>	0.122	0.146	0.206	0.326	0.461	260
								0.082	0.101	<b>0.130</b>	0.154	0.184	0.260	0.411	0.581	270
								0.106	0.130	<b>0.168</b>	0.199	0.238	0.336	0.531	0.751	280
								0.165	0.202	<b>0.261</b>	0.309	0.369	0.522	0.825	1.167	290
								0.247	0.302	<b>0.390</b>	0.461	0.552	0.780	1.233	1.744	300

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 + AC = 220.004.1Y.AC

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