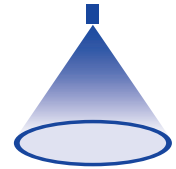


Axial-flow hollow cone nozzles Series 220

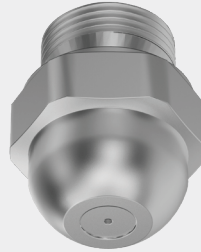


Features:

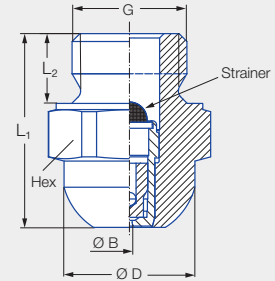
- Extremely fine, fog-like atomization

Applications:

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



Series 220



Code	G	Dimensions [mm]				Weight [g]
		L ₁	L ₂	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														
		Stainless steel 316L	Stainless steel 430F					2.0	3.0	5.0	7.0	10.0	20.0	50.0	100.0	H = 250 [mm]	
60°	220.004	●	●	AC	0.10	0.10	0.04	–	–	0.013	0.015	0.018	0.026	0.041	0.058	120	
	220.014	●	●	AC	0.15	0.15	0.04	–	0.015	0.019	0.022	0.027	0.038	0.060	0.085	140	
	220.054	●	●	AC	0.20	0.15	0.04	0.017	0.021	0.027	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	0.040	0.047	0.057	0.080	0.126	0.179	190	
	220.125	●	●	AC	0.35	0.35	0.10	0.039	0.048	0.062	0.073	0.088	0.124	0.196	0.277	230	
	220.145	●	●	AC	0.40	0.40	0.10	0.052	0.064	0.082	0.097	0.116	0.164	0.259	0.367	250	
	220.165	●	●	AC	0.45	0.45	0.10	0.065	0.080	0.103	0.122	0.146	0.206	0.326	0.461	260	
	220.185	●	●	AC	0.55	0.35	0.20	0.082	0.101	0.130	0.154	0.184	0.260	0.411	0.581	270	
	220.205	●	●	AC	0.60	0.35	0.20	0.106	0.130	0.168	0.199	0.238	0.336	0.531	0.751	280	
	220.245	●	●	AC	0.70	0.50	0.20	0.165	0.202	0.261	0.309	0.369	0.522	0.825	1.167	290	
	220.285	●	●	AC	0.90	0.55	0.20	0.247	0.302	0.390	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".