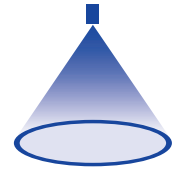


➤ Axial-flow hollow cone nozzles Series 220

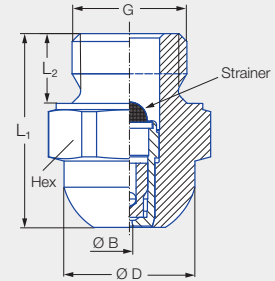
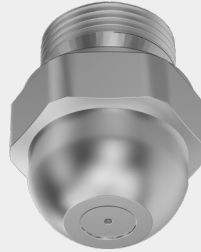


Features:

- 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					2.0	3.0	5.0	7.0	10.0	20.0	50.0		100.0			
60°	Stainless steel 316L	Stainless steel 430F	1/4 BSPP	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°	Stainless steel 316L	Stainless steel 430F	1/4 BSPP	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".