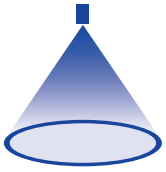
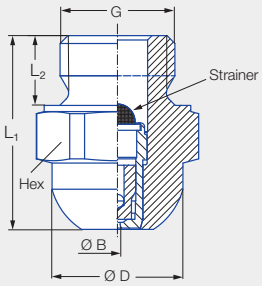
Axial-flow hollow cone nozzles
Series 220



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	1/4 BSPP				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 example:	Type	+	Material no.	+	Code	=	Ordering no.
	220.004	+	1Y	+	AC	=	220.004.1Y.AC

Assembly accessories can be found in Chapter 9 “Accessories”.