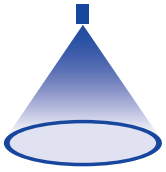
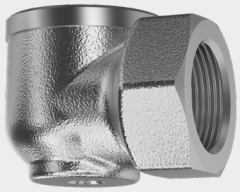
Tangential-flow hollow cone nozzles, stainless steel/brass version
Series 302

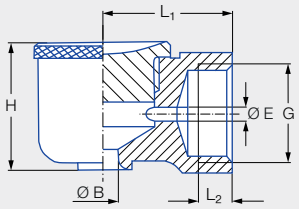


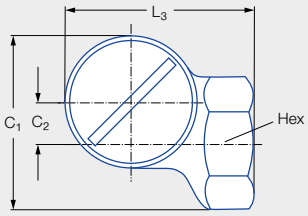
Features:
- Uniform atomization
- Non-clogging nozzle without swirl insert

Applications:
- Humidification of air
- Dust control
- Sprinkling
- Foam control
- Adiabatic cooling



Series 302





G	Dimensions [mm]							Weight [g] (Brass)
	C_1	C_2	H	L_1	L_2	L_3	Hex	
3/8 BSPP	34.0	8.0	23.0	23.0	6.5	36.0	22	90.0

Spray angle	Ordering no. Type	Mat. no. 1Y Stainless steel 316L	Mat. no. 30 Brass	Bore diameter B [mm]	Narrowest free cross section Ø [mm]	V̇ water [l/min] p [bar] 0.5	1.0	**2.0**	3.0	5.0	7.0	10.0	Spray diameter D [mm] (at p = 2 bar) H = 250 [mm]	H = 500 [mm]
60°	302.364		●	1.50	1.50	0.32	0.45	**0.63**	0.77	1.00	1.18	1.41	280	420
	302.464	●	●	2.00	2.00	0.70	0.99	**1.40**	1.71	2.21	2.62	3.13	280	460
80°	302.545	●	●	4.90	2.30	1.12	1.58	**2.24**	2.74	3.54	4.19	5.01	360	660
90°	302.606	●	●	4.60	4.00	1.58	2.23	**3.15**	3.86	4.98	5.89	7.04	470	810
130°	302.368	●	●	3.00	1.00	0.32	0.45	**0.63**	0.77	1.00	1.18	1.41	660	1,080
	302.468	●	●	5.00	1.70	0.70	0.99	**1.40**	1.71	2.21	2.62	3.13	810	1,370
	302.548		●	5.00	2.50	1.12	1.58	**2.24**	2.74	3.54	4.19	5.01	960	1,640
	302.608	●	●	5.00	3.50	1.58	2.23	**3.15**	3.86	4.98	5.89	7.04	1,060	1,800
	302.668		●	7.50	3.60	2.25	3.18	**4.50**	5.51	7.12	8.42	10.06	1,120	1,950
	302.748	●	●	7.50	4.80	3.55	5.02	**7.10**	8.70	11.23	13.28	15.88	1,160	2,150

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering example:	Type 302.364	+	Material no. 30	=	Ordering no. 302.364.30

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