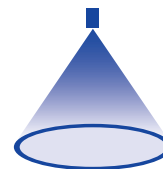


Tangential-flow hollow cone nozzles, plastic version Series 302

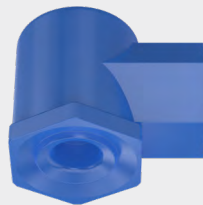


Features:

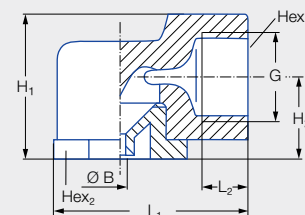
- Uniform atomization
- Non-clogging nozzle without swirl insert

Applications:

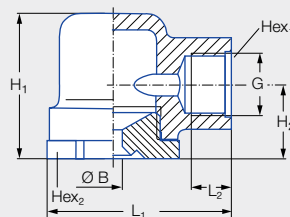
- Humidification of air
- Dust control
- Sprinkling
- Foam control
- Adiabatic cooling



Series 302



Type 302.32x-302.48x



Type 302.52x-302.96x

Type	G	Dimensions [mm]						Weight [g]	p _{max} [bar]
		H ₁	H ₂	L ₁	L ₂	Hex ₁	Hex ₂		
302.32x-302.48x	3/8 BSPP	27.5	16.5	43.5	10.0	22	22	13.0	5.0
302.52x-302.96x	3/8 BSPP	34.0	18.5	37.0	10.0	22	22	18.0	5.0

Spray angle	Ordering no.				Bore diameter B [mm]	Narrowest free cross section Ø [mm]	V̇ water [l/min]					Spray diameter D [mm] (at p = 2 bar)		
	Type	Mat. no.					p [bar]						H = 250 [mm]	H = 500 [mm]
		51	5E	53										
		PA	PVDF	PP			0.5	1.0	2.0	3.0	5.0			
60°	302.364	●		●	1.30	1.30	0.32	0.45	0.63	0.77	1.00	320	600	
	302.464	●		●	1.95	1.95	0.70	0.99	1.40	1.71	2.21	330	620	
90°	302.326	●	●		1.05	1.05	0.20	0.28	0.40	0.49	0.63	470	770	
	302.366	●	●		1.30	1.30	0.32	0.45	0.63	0.77	1.00	480	790	
	302.406	●	●	●	1.55	1.55	0.50	0.71	1.00	1.22	1.58	490	810	
	302.486	●		●	2.10	2.10	0.80	1.13	1.60	1.96	2.53	510	850	
	302.526	●		●	5.00	2.00	1.00	1.41	2.00	2.45	3.16	520	870	
	302.566	●		●	5.00	2.40	1.25	1.77	2.50	3.06	3.95	520	900	
	302.606	●		●	5.00	3.20	1.58	2.23	3.15	3.86	4.98	530	940	
	302.686	●			7.50	3.40	2.50	3.54	5.00	6.12	7.91	540	1,010	
	302.766	●			9.00	4.30	4.00	5.66	8.00	9.80	12.65	540	1,040	
	302.846	●		●	11.00	5.20	6.25	8.84	12.50	15.31	19.67	540	1,050	
	302.886	●	●	●	11.00	6.40	8.00	11.31	16.00	19.60	25.30	540	1,050	
	302.966	●			11.00	8.60	12.50	17.68	25.00	30.62	39.53	540	1,050	





Spray angle	Ordering no.				Bore diameter B [mm]	Narrowest free cross section Ø [mm]	V̇ water [l/min]					Spray diameter D [mm] (at p = 2 bar)	
	Type	Mat. no.					p [bar]						
		51	5E	53									
		PA	PVDF	PP			0.5	1.0	2.0	3.0	5.0		
130°	302.328		●		1.35	0.80	0.20	0.28	0.40	0.49	0.63	640	930
	302.368	●	●		1.85	1.10	0.32	0.45	0.63	0.77	1.00	660	1,010
	302.408	●	●		3.65	1.30	0.50	0.71	1.00	1.22	1.58	680	1,110
	302.488	●		●	5.20	1.60	0.80	1.13	1.60	1.96	2.53	720	1,250
	302.528	●			5.00	2.00	1.00	1.41	2.00	2.45	3.16	750	1,330
	302.568	●			5.00	2.40	1.25	1.77	2.50	3.06	3.95	780	1,410
	302.608	●	●	●	5.00	3.20	1.58	2.23	3.15	3.86	4.98	820	1,500
	302.648	●			7.50	3.00	2.00	2.83	4.00	4.90	6.32	860	1,590
	302.688	●			7.50	3.40	2.50	3.54	5.00	6.12	7.91	900	1,650
	302.728	●			7.50	4.10	3.15	4.45	6.30	7.72	9.96	920	1,700
	302.768	●			9.00	4.30	4.00	5.66	8.00	9.80	12.65	940	1,730
	302.848	●			11.00	5.20	6.25	8.84	12.50	15.31	19.76	960	1,760
	302.888	●		●	11.00	6.40	8.00	11.31	16.00	19.60	25.30	970	1,780
	302.968	●	●		11.00	8.60	12.50	17.68	25.00	30.62	39.53	1,000	1,800

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

Ordering Type + Material no. = Ordering no.
example: 302.328 + 5E = 302.328.5E



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

