

Low pressure tongue-type nozzles

Series 686

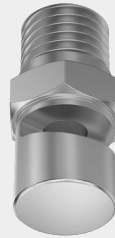


Features:

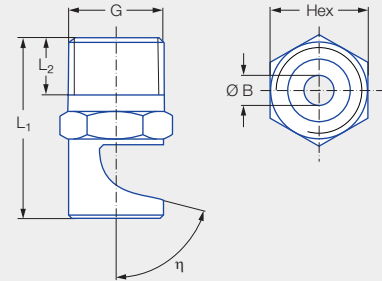
- Sharply delimited, powerful flat fan spray
- Large spray angle
- Non-clogging

Applications:

- Foam control
- Cleaning processes
- Washing processes



Series 686



Type	BSPP BSPT	Code	Dimensions [mm]			Weight [g] Brass
			L ₁	L ₂	Hex	
686.366	1/8	CA	23.0	6.5	11	13.0
686.406	1/8	CA	23.0	6.5	11	13.0
686.686	1/4	CC	29.5	9.7	14	23.0
686.726	1/8	CA	25.0	6.5	11	13.0
686.806	1/4	CC	33.0	9.7	14	24.0
686.886	1/4	CC	35.0	9.7	17	30.0
686.926	3/8	CE	38.5	10.1	17	32.0
686.368	1/8	CA	20.0	6.5	11	13.0
686.408	1/8	CA	23.0	6.5	11	13.0
686.448	1/4	CC	24.0	9.7	14	21.0
686.488	1/8	CA	23.0	6.5	11	13.0
686.488	1/4	CC	24.0	9.7	14	21.0
686.528	1/8	CA	23.0	6.5	11	13.0
686.528	1/4	CC	24.0	9.7	14	21.0
686.568	1/8	CA	23.0	6.5	11	13.0
686.568	1/4	CC	24.0	9.7	14	21.0
686.608	1/8	CA	23.0	6.5	11	13.0
686.608	1/4	CC	24.0	9.7	14	21.0
686.648	1/4	CC	24.0	9.7	14	21.0
686.688	1/8	CA	23.0	6.5	11	13.0
686.688	1/4	CC	27.0	9.7	14	22.0
686.728	1/8	CA	23.0	6.5	11	13.0
686.728	1/4	CC	27.0	9.7	14	22.0
686.768	1/4	CC	27.0	9.7	14	22.0
686.808	1/8	CA	23.0	6.5	11	13.0
686.808	1/4	CC	27.0	9.7	14	22.0
686.828	1/4	CC	27.0	9.7	14	22.0
686.848	1/4	CC	27.0	9.7	14	22.0
686.868	1/4	CC	28.0	9.7	14	23.0
686.888	1/4	CC	28.0	9.7	14	23.0
686.908	1/4	CC	28.0	9.7	14	23.0
686.928	3/8	CE	30.0	10.1	17	32.0
686.968	1/2	CG	37.0	13.2	22	60.0
686.988	3/8	CE	32.0	10.1	17	32.0
686.988	1/2	CG	37.0	13.2	22	60.0

Also suitable for air or saturated steam
(see Page 172).

Spray angle	η	Ordering no.								Bore diameter B [mm]	V̇ water [l/min]			Spray width B [mm] (at p = 2 bar)
		Type	Mat. no.			Code					p [bar]			
			16	30	5E	1/8 BSPT	1/4 BSPT	3/8 BSPT	1/2 BSPT					
			Stainless steel 303	Brass	PVDF									
											1.0	2.0	5.0	H = 250 [mm]
90°	75°	686.366		●		CA				0.80	0.45	0.63	1.00	450
		686.406	●	●		CA				1.00	0.71	1.00	1.58	450
	40°	686.686	●	●			CC			2.40	3.54	5.00	7.91	510
		686.726		●		CA				2.70	4.45	6.30	9.96	530
		686.806	●	●			CC			3.40	7.07	10.00	15.81	540
		686.886	●				CC			4.20	11.31	16.00	25.30	540
686.926	●					CE		4.70	14.14	20.00	31.62	540		
140°	75°	686.368	●	●		CA				0.80	0.45	0.63	1.00	1,250
		686.408	●	●		CA				1.00	0.71	1.00	1.58	1,260
		686.448	●	●			CC			1.20	0.88	1.25	1.98	1,260
		686.488	●	●		CA	CC			1.30	1.13	1.60	2.53	1,270
		686.528	●	●		CA	CC			1.50	1.41	2.00	3.16	1,280
		686.568	●	●	● ¹	CA	CC			1.70	1.77	2.50	3.95	1,290
		686.608	●	●		CA	CC			1.90	2.23	3.15	4.98	1,300
		686.648	●	●			CC			2.20	2.83	4.00	6.32	1,320
		686.688	●	●		CA	CC			2.40	3.54	5.00	7.91	1,330
		686.728	●	●		CA	CC			2.70	4.45	6.30	9.96	1,340
		686.768	●	●			CC			3.00	5.66	8.00	12.65	1,350
		686.808	●	●		CA	CC			3.40	7.07	10.00	15.81	1,360
		686.828	●	●			CC			3.60	7.92	11.20	17.71	1,360
		686.848	●	●			CC			3.80	8.84	12.50	19.76	1,360
		686.868	●	●			CC			4.00	9.90	14.00	22.14	1,360
		686.888	●	●			CC			4.20	11.31	16.00	25.30	1,360
		686.908	●	●			CC			4.50	12.73	18.00	28.46	1,360
		686.928	●					CE		4.70	14.14	20.00	31.62	1,360
		686.968		●					CG	5.30	17.68	25.00	39.53	1,360
		686.988	●					CE	CG	5.60	19.80	28.00	44.27	1,360

¹ Only available with code CA.

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: 686.366 + 30 + CA = 686.366.30.CA



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