

# Low pressure tongue-type nozzles Series 686

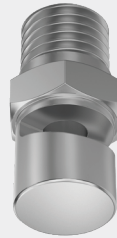


## Features:

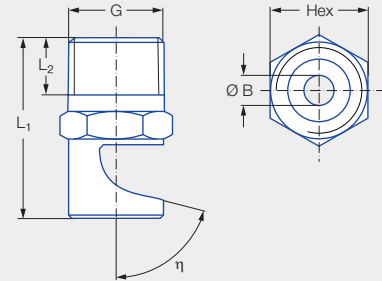
- Sharply delimited, powerful flat fan spray
- Large spray angle
- Non-clogging

## Applications:

- Foam control
- Cleaning processes
- Washing processes



Series 686



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

<sup>1</sup> 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".