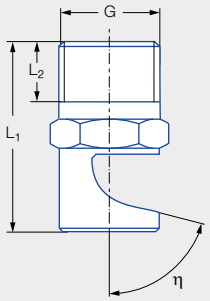
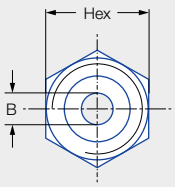
Flat fan tongue-type nozzles for air or saturated steam
Series 686

Features:
- Wide, powerful air stream
- Compact design
- Large spray width, also for short blowing distances
- Brass and stainless steel versions available for high ambient temperatures

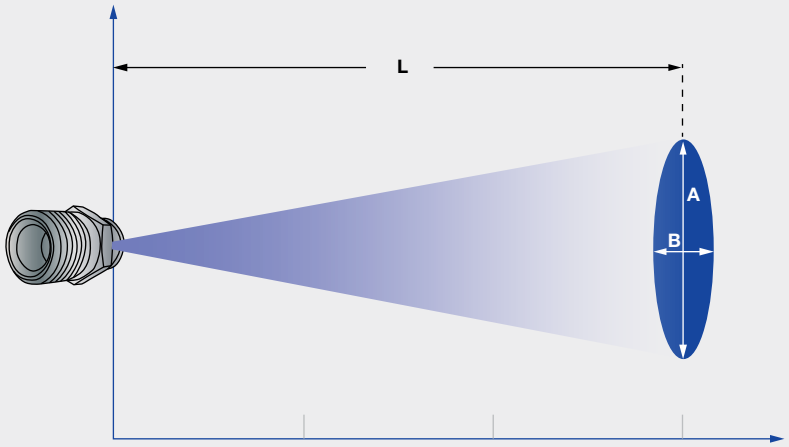
Applications:
- Blowing off liquids
- Cooling
- Heating
- Drying





Series 686

[1] Meets OSHA specifications in terms of noise level.
[2] Only applies to the stainless variant.



Jet pattern of series 686

Pressure		1 bar	3 bar	5 bar
686.408	**Length L [mm]**	**40**	**80**	**125**
	A [mm]	35	50	60
	B [mm]	15	40	50
686.528	**Length L [mm]**	**60**	**100**	**150**
	A [mm]	75	140	210
	B [mm]	20	40	50
686.608	**Length L [mm]**	**90**	**175**	**250**
	A [mm]	145	230	350
	B [mm]	25	45	55

Pressure		1 bar	3 bar	5 bar
686.688	**Length L [mm]**	**150**	**400**	**525**
	A [mm]	230	560	740
	B [mm]	40	80	100
686.728	**Length L [mm]**	**180**	**230**	**375**
	A [mm]	170	360	530
	B [mm]	50	50	70

G	Dimensions [mm]			Weight [g] (brass)
	L_1	L_2	Hex	
1/8 BSPT	23.0	6.5	11	18.0

Spray angle	η	Ordering no.				Bore diameter B [mm]	$\dot{V}_n$ air [m³/h]				Ṁ saturated steam [kg/h]			
		Type	Mat. no.		Code		p [bar]				p [bar]			
			16	30										
			Stainless steel 303	Brass	1/8 BSPT		1.0	2.0	5.0	10.0	0.5	2.0	5.0	10.0
Approx. 27°–47°	75°	686.408	●	●	CA	1.00	1.07	1.60	3.20	5.86	0.88	1.31	2.57	4.64
	75°	686.488	●	●	CA	1.30	1.76	2.64	5.29	9.69	1.46	2.17	4.25	7.67
Approx. 70°	75°	686.528	●	●	CA	1.50	2.2	3.31	6.61	12.13	1.83	2.71	5.31	9.59
	75°	686.568	●	●	CA	1.70	2.73	4.09	8.19	15.01	2.27	3.36	6.57	11.87
	75°	686.608	●	●	CA	1.90	3.35	5.02	10.04	18.40	2.78	4.11	8.06	14.55
	75°	686.688	●	●	CA	2.40	5.45	8.18	16.36	30.00	4.53	6.71	13.14	23.72
	75°	686.728	●	●	CA	2.70	6.88	10.33	20.65	37.86	5.71	8.46	16.58	29.94
	75°	686.808	●	●	CA	3.40	10.89	16.33	32.66	59.87	9.04	13.28	26.22	47.35

Ordering	Type	+	Material no.	+	Code	=	Ordering no.
example:	686.408	+	16	+	CA	=	686.408.16.CA

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