



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

Series 686

The flat jet tongue-type nozzles of the 686 series are suitable for short blowing distances. The compact design allows for large jet widths even for small spaces. The versions in brass and stainless steel AISI 303 can also be used with high ambient temperatures.



* Complies with OSHA requirements on noise level
** Only applies to stainless steel version



Materials
Stainless steel
AISI 303, Brass



Noise level
73-84 db(A) at 29 psi



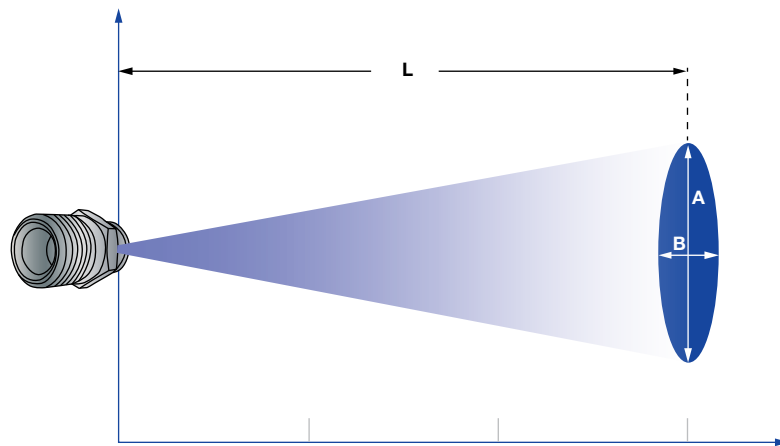
Air consumption
see table



Pressure
 $P_{max} = 435 \text{ psi}$



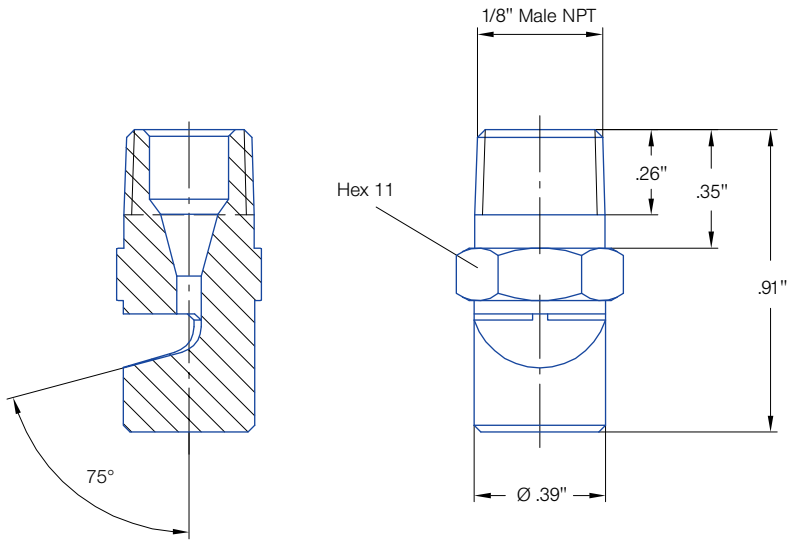
Max. temperature
550°C/ 1022°F (Stainless steel)
240°C/ 464°F (Brass)




Jet pattern of 686 nozzle series

Pressure:	14.5 psi	44 psi	72.5 psi	
686.408	Distance L [in]:	1.6	3.2	4.9
	A [in]:	1.4	2	2.4
	B [in]:	.6	1.6	2
686.528	Distance L [in]:	2.4	4.0	5.9
	A [in]:	3	5.5	8.3
	B [in]:	.8	1.6	2
686.608	Distance L [in]:	3.5	6.9	9.8
	A [in]:	5.7	9.1	13.8
	B [in]:	1	1.8	2.2

Pressure:	14.5 psi	44 psi	72.5 psi	
686.688	Distance L [in]:	6	15.8	20.7
	A [in]:	9.1	22.1	29.1
	B [in]:	1.6	3.2	3.9
686.728	Distance L [in]:	7.1	9.1	14.8
	A [in]:	6.7	14.2	20.1
	B [in]:	2	2	2.8



Spray angle 	Ordering no.			Equiv. Orifice diameter [in]	Capacity for Air [Standard Cubic Feet per Minute]						Capacity for Saturated Steam [lb/hr]						
	Type	Mat. no.			Conn.	10 psi	20 psi	40 psi	60 psi	80 psi	100 psi	10 psi	20 psi	40 psi	60 psi	80 psi	100 psi
		17	30														
		AISI 316Ti	Brass														
approx. 70°	686. 408	○	○	BA	.039	.4	.5	.8	1.1	1.4	1.7	1.8	2.4	3.5	4.6	5.7	6.6
	686. 488	○	○	BA	.051	.62	.9	1.4	1.9	2.4	2.9	2.6	3.7	5.7	7.5	9.3	11
	686. 528	○	○	BA	.059	.9	1.1	1.9	2.5	3.2	3.8	3.5	5.1	7.5	10	12	14
	686. 568	○	○	BA	.067	1.0	1.5	2.4	3.4	4.2	5.0	4.6	6.6	10	13	16	19
	686. 608	○	○	BA	.075	1.3	1.8	3.0	4.2	5.3	6.2	5.7	8.2	13	17	20	24
	686. 688	○	○	BA	.094	2.2	2.9	4.7	6.6	8.3	9.9	9.0	13	20	26	32	37
	686. 728	○	○	BA	.106	4.0	5.0	7.9	11	14	17	9.9	16	24	32	39	47
	686. 808	○	○	BA	.134	6.1	8.0	13	18	23	27	16	25	39	50	62	74

Example of ordering: Type + Mat. no. + Conn. = Ordering no.
 686. 408 + 16 + BA = 686. 408. 16. CA