

Pneumatic atomizing nozzles, flat fan, pressure principle, external mixing Series 136.6

Features:

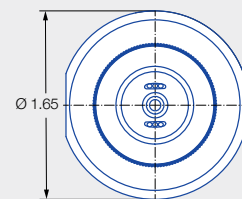
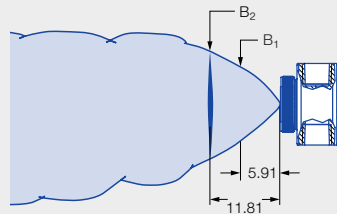
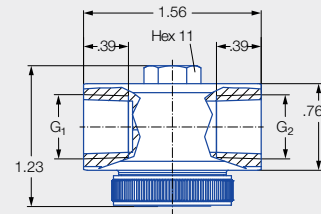
- Fine flat fan atomization
- Liquid pressure principle
- External mixing

Applications:

- Humidification of goods
- Cooling
- Belt humidification
- Atomization of viscous liquids



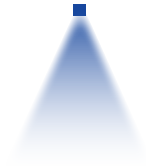
Series 136.6



Liquid connection G ₁	Air connection G ₂	Screw plug thread (size 11)	Weight [lb] (Stainless steel 303)
1/4 NPT	1/4 NPT	5/16-24 UNF-2A	0.5

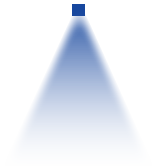
Spray angle	Ordering number			Narrowest free cross section Ø [in]	Liquid pressure p [psi]												Spray dimensions			
	Type	Material number																		
		1Y	16		10				20				40				60			
		Stainless steel 316L	Stainless steel 303		p air [psi]	Ṃ water [gal/h]	Ṃ _n air [SCFM]	p air [psi]	Ṃ water [gal/h]	Ṃ _n air [SCFM]	p air [psi]	Ṃ water [gal/h]	Ṃ _n air [SCFM]	p air [psi]	Ṃ water [gal/h]	Ṃ _n air [SCFM]	p air [psi]	Ṃ water [psi]	B ₁ [in]	B ₂ [in]
45°	136.616.xx.B2	●	●	0.02	12	0.4	1.5	12	0.6	1.4	12	0.9	1.5	15	1.0	1.6	20	1	3	5
					17	0.5	1.8	15	0.6	1.7	17	0.9	1.8	20	1.0	2.0	32	2	4	5
					23	0.5	2.2	20	0.7	2.1	23	0.9	2.2	26	1.0	2.4	46	3	4	5
					29	0.6	2.5	26	0.7	2.5	29	1.0	2.5	32	1.0	2.7	58	4	4	6
					35	0.5	2.9	32	0.7	2.8	35	1.0	2.9	38	1.0	3.1	73	5	4	6
					41	0.6	3.2	38	0.7	3.2	41	1.0	3.2	44	1.0	3.4	-	-	-	-
					46	0.6	3.6	44	0.7	3.5	46	1.0	3.6	49	1.0	3.8	-	-	-	-
					52	0.6	3.9	52	0.7	3.9	52	1.0	3.9	55	1.0	4.1	-	-	-	-
					58	0.6	4.3	58	0.7	4.3	58	1.0	4.3	61	1.0	4.5	-	-	-	-
					64	0.6	4.6	64	0.7	4.6	64	1.0	4.6	67	1.0	4.8	-	-	-	-
					70	0.6	5.0	70	0.7	5.0	70	1.0	4.9	73	1.0	5.2	-	-	-	-
					75	0.6	5.4	75	0.7	5.4	75	1.0	5.4	78	1.0	5.5	-	-	-	-
					81	0.6	5.7	81	0.7	5.7	81	1.0	5.7	84	1.0	5.9	-	-	-	-
					87	0.6	6.0	87	0.7	6.0	87	1.0	6.0	87	1.0	6.0	-	-	-	-





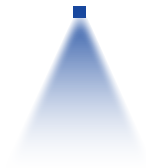
Spray angle	Ordering number			Narrowest free cross section Ø [in]	Liquid pressure p [psi]												Spray dimensions					
	Type	Material number			10									20							40	
		1Y	16		p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	p water [psi]	B1 [in]	B2 [in]		
		Stainless steel 316L	Stainless steel 303																			
45°	136.635.xx.B2	●	●	0.02	12	0.63	1.5	12	0.91	1.4	12	1.3	1.4	15	1.4	1.6	20	1	3	5		
					17	0.69	1.8	17	0.94	1.8	17	1.3	1.8	20	1.4	2.0	32	2	4	5		
					23	0.8	2.2	23	1.0	2.2	23	1.3	2.2	26	1.4	2.4	46	3	4	5		
					29	0.8	2.5	29	1.0	2.5	30	1.3	2.5	32	1.4	2.7	58	4	4	6		
					35	0.8	2.9	35	1.0	2.9	35	1.4	2.9	38	1.5	3.1	73	5	4	6		
					41	0.8	3.2	41	1.0	3.2	41	1.4	3.2	44	1.5	3.4	—	—	—	—		
					46	0.8	3.6	46	1.0	3.6	46	1.4	3.6	49	1.5	3.8	—	—	—	—		
					52	0.8	3.9	52	1.0	3.9	52	1.4	3.9	55	1.5	4.1	—	—	—	—		
					58	0.8	4.3	58	1.0	4.2	58	1.4	4.3	61	1.5	4.5	—	—	—	—		
					64	0.8	4.6	64	1.0	4.6	64	1.4	4.6	67	1.5	4.8	—	—	—	—		
					70	0.8	4.9	70	1.0	4.9	70	1.4	4.9	73	1.5	5.1	—	—	—	—		
					75	0.8	5.3	75	1.0	5.3	75	1.4	5.3	78	1.5	5.5	—	—	—	—		
					81	0.8	5.7	81	1.0	5.7	81	1.4	5.7	84	1.5	5.8	—	—	—	—		
					87	0.8	6.0	87	1.0	6.0	87	1.4	6.0	87	1.5	6.0	—	—	—	—		
	136.654.xx.B2	●	●	0.03	12	1.4	1.4	12	1.9	1.4	17	2.7	1.8	23	2.9	2.2	20	1	4	5		
					17	1.5	1.8	17	2.0	1.8	23	2.7	2.2	29	3.0	2.5	32	2	4	6		
					23	1.5	2.2	23	2.0	2.2	29	2.7	2.5	35	3.0	2.9	46	3	4	6		
					29	1.6	2.5	29	2.1	2.5	35	2.8	2.9	41	3.0	3.2	58	4	4	6		
					35	1.6	2.9	35	2.1	2.9	41	2.8	3.2	46	3.0	3.6	73	5	4	6		
					41	1.7	3.2	41	2.1	3.2	46	2.8	3.6	52	3.0	3.9	—	—	—	—		
					46	1.7	3.6	46	2.1	3.6	52	2.8	3.9	58	3.0	4.2	—	—	—	—		
					52	1.7	3.9	52	2.1	3.9	58	2.8	4.2	64	3.0	4.6	—	—	—	—		
					58	1.7	4.2	58	2.1	4.2	64	2.8	4.6	70	3.0	4.9	—	—	—	—		
					64	1.7	4.6	64	2.1	4.6	70	2.8	4.9	75	3.0	5.3	—	—	—	—		
					70	1.7	4.9	70	2.1	4.9	75	2.8	5.3	81	3.0	5.7	—	—	—	—		
					75	1.6	5.3	75	2.1	5.3	81	2.8	5.7	87	2.9	5.9	—	—	—	—		
					81	1.6	5.7	81	2.1	5.7	87	2.7	6.0	—	—	—	—	—	—	—		
					87	1.5	6.0	87	2.0	6.0	—	—	—	—	—	—	—	—	—	—		
60°	136.626.xx.B2	●	●	0.02	12	0.5	1.6	12	0.7	1.6	12	0.9	1.6	12	1.0	1.6	23	1	3	5		
					17	0.5	2.1	17	0.7	2.1	17	1.0	2.1	17	1.0	2.1	35	2	4	6		
					23	0.6	2.5	23	0.7	2.5	23	1.0	2.5	23	1.0	2.5	46	3	4	6		
					29	0.6	2.9	29	0.7	2.9	29	1.0	2.9	29	1.0	2.9	58	4	4	6		
					35	0.6	3.3	35	0.8	3.3	35	1.0	3.3	35	1.0	3.3	75	5	4	6		
					41	0.6	3.7	41	0.8	3.7	41	1.0	3.7	41	1.1	3.7	—	—	—	—		
					46	0.6	4.1	46	0.8	4.1	46	1.0	4.1	46	1.1	4.1	—	—	—	—		
					52	0.6	4.5	52	0.8	4.5	52	1.0	4.5	52	1.1	4.5	—	—	—	—		
					58	0.6	4.9	58	0.8	4.9	58	1.0	4.9	58	1.1	4.9	—	—	—	—		
					64	0.6	5.3	64	0.8	5.3	64	1.0	5.3	64	1.1	5.3	—	—	—	—		
					70	0.6	5.7	70	0.8	5.7	70	1.0	5.7	70	1.1	5.7	—	—	—	—		
					75	0.6	6.1	75	0.8	6.1	75	1.0	6.1	75	1.1	6.1	—	—	—	—		
					81	0.6	6.6	81	0.8	6.5	81	1.0	6.5	81	1.1	6.5	—	—	—	—		
					87	0.6	6.9	87	0.8	6.9	87	1.0	6.9	87	1.1	6.9	—	—	—	—		





Spray angle	Ordering number			Narrowest free cross section Ø [in]	Liquid pressure p [psi]												Spray dimensions															
	Type	Material number			10						20						40						60						p air [psi]	p water [psi]	B ₁ [in]	B ₂ [in]
		1Y	16		p air [psi]	V̇ water [gal/h]	V̇ _n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇ _n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇ _n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇ _n air [SCFM]																
		Stainless steel 316L	Stainless steel 303																													
60°	136.645.xx.B2	●	●	0.02	12	40	1.6	12	0.97	1.6	15	1.4	1.9	1.00	1.5	1.8	23	1	4	6												
					17	41	2.1	17	1.02	2.1	20	1.4	2.3	1.40	1.5	2.3	35	2	4	6												
					23	45	2.5	23	1.1	2.5	26	1.4	2.7	1.80	1.5	2.7	46	3	5	6												
					29	47	2.9	29	1.1	2.9	32	1.4	3.1	2.20	1.5	3.1	58	4	5	6												
					35	49	3.3	35	1.1	3.3	38	1.4	3.5	2.60	1.5	3.5	75	5	5	6												
					41	49	3.6	41	1.1	3.7	44	1.5	3.9	3.00	1.5	3.9	-	-	-	-												
					46	50	4.1	46	1.1	4.1	49	1.5	4.2	3.40	1.6	4.3	-	-	-	-												
					52	50	4.5	52	1.1	4.5	55	1.5	4.7	3.80	1.6	4.7	-	-	-	-												
					58	51	4.9	58	1.1	4.9	61	1.5	5.1	4.20	1.6	5.1	-	-	-	-												
					64	51	5.3	64	1.1	5.3	67	1.5	5.5	4.60	1.6	5.5	-	-	-	-												
					70	52	5.7	70	1.2	5.7	73	1.5	5.9	5.00	1.6	5.9	-	-	-	-												
					75	52	6.1	75	1.1	6.1	78	1.5	6.3	5.40	1.6	6.3	-	-	-	-												
	136.664.xx.B2	●	●	0.03	81	52	6.5	81	1.1	6.5	84	1.5	6.7	5.80	1.6	6.7	-	-	-	-												
					87	52	6.9	87	1.2	6.9	87	1.5	6.9	6.00	1.6	6.9	-	-	-	-												
					12	79	1.6	15	2.0	1.9	15	2.8	1.9	1.00	3.0	1.9	23	1	4	6												
					17	86	2.1	20	2.1	2.3	20	2.8	2.3	1.40	3.0	2.3	35	2	5	6												
					23	89	2.5	26	2.1	2.7	26	2.9	2.7	1.80	3.1	2.6	46	3	6	7												
					29	93	2.9	32	2.2	3.1	32	2.9	3.1	2.20	3.1	3.1	58	4	6	7												
					35	96	3.3	38	2.2	3.5	38	2.9	3.5	2.60	3.1	3.5	75	5	6	8												
					41	98	3.7	44	2.3	3.9	44	2.9	3.9	3.00	3.1	3.9	-	-	-	-												
					46	101	4.1	49	2.3	4.3	49	3.0	4.3	3.40	3.2	4.3	-	-	-	-												
					52	101	4.5	55	2.3	4.7	55	3.0	4.7	3.80	3.2	4.7	-	-	-	-												
					58	102	4.9	61	2.3	5.1	61	3.0	5.1	4.20	3.2	5.1	-	-	-	-												
					64	103	5.3	67	2.3	5.5	67	3.0	5.5	4.60	3.2	5.5	-	-	-	-												
	136.673.xx.B2	●	●	0.04	70	103	5.7	73	2.3	5.9	73	3.0	5.9	5.00	3.2	5.9	-	-	-	-												
					75	104	6.1	78	2.3	6.3	78	3.0	6.3	5.40	3.2	6.3	-	-	-	-												
					81	103	6.5	84	2.3	6.7	84	3.0	6.7	5.80	3.2	6.7	-	-	-	-												
					87	104	6.9	87	2.3	6.9	87	3.0	6.9	6.00	3.2	6.9	-	-	-	-												
					9	201	3.3	15	4.89	4.5	23	6.6	10.20	2.00	7.0	6.9	23	1	5	6												
					15	207	4.5	20	4.89	5.5	29	6.5	11.70	6.9	7.0	7.9	35	2	5	6												
					20	207	5.5	26	4.8	6.5	35	6.5	13.30	7.8	6.8	8.9	46	3	5	6												
					26	205	6.5	32	4.7	7.5	41	6.2	15.10	8.9	6.5	9.8	58	4	5	6												
					32	198	7.4	38	4.6	8.4	46	5.9	16.60	9.8	6.2	10.8	75	5	5	7												
					38	198	8.4	44	4.4	9.4	52	5.6	18.40	10.8	5.8	11.7	-	-	-	-												
					44	193	11.1	49	4.2	10.2	58	5.3	19.80	11.7	5.4	12.7	-	-	-	-												
					49	187	10.2	55	4.0	11.2	64	5.0	21.50	12.7	5.1	13.6	-	-	-	-												
					55	182	11.2	61	3.9	12.2	70	4.6	23.20	13.7	4.8	14.5	-	-	-	-												
					61	177	12.2	67	3.7	13.1	75	4.4	24.80	14.6	4.5	15.5	-	-	-	-												
					67	171	13.2	73	3.5	14.1	81	4.1	26.40	15.5	4.2	16.5	-	-	-	-												
					73	159	14.1	78	3.2	15.1	84	4.0	27.30	16.1	-	-	-	-	-	-												
					78	151	15.1	84	3.0	16.0	87	3.9	28.00	16.5	-	-	-	-	-	-												
					84	139	16.0	87	2.9	16.5	-	-	-	-	-	-	-	-	-	-												
					87	130	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-												





Spray angle	Ordering number			Narrowest free cross section Ø [in]	Liquid pressure p [psi]												Spray dimensions			
	Type	Material number			10			20			40			60						
		1Y	16		p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]	p air [psi]	V̇ water [gal/h]	V̇n air [SCFM]				
		Stainless steel 316L	Stainless steel 303																	
60°	136.682.xx.B2	●	●	0.06	15	5.9	4.4	20	7.6	5.5	26	10.9	6.5	29	11.6	6.9	23	1	4	6
					20	5.3	5.5	26	6.9	6.4	32	9.2	7.4	35	10.3	7.9	35	2	5	6
					26	5.0	6.5	32	6.3	7.4	38	8.8	8.4	41	9.3	8.9	46	3	5	6
					32	4.7	7.4	38	5.9	8.4	44	8.0	9.4	46	8.5	9.8	58	4	5	6
					38	4.5	8.4	44	5.6	9.4	49	7.5	10.3	52	8.0	10.8	75	5	5	7
					44	4.4	9.4	49	5.3	10.3	55	7.0	11.2	58	7.5	11.7	–	–	–	–
					49	4.2	10.3	55	5.1	11.2	61	6.7	12.2	64	7.1	12.7	–	–	–	–
					55	4.2	11.2	61	5.0	12.2	67	6.4	13.1	70	6.8	13.6	–	–	–	–
					61	4.2	12.2	67	4.9	13.1	73	6.1	14.1	75	6.4	14.6	–	–	–	–
					67	4.2	13.1	73	4.8	14.1	78	5.8	15.0	81	6.2	15.5	–	–	–	–
					73	4.0	14.1	78	4.6	14.9	84	5.6	16.0	87	5.9	16.5	–	–	–	–
					78	3.7	15.0	84	4.2	16.0	87	5.5	16.5	–	–	–	–	–	–	–
					84	3.2	16.0	87	3.9	16.5	–	–	–	–	–	–	–	–	–	–
					87	2.9	16.5	–	–	–	–	–	–	–	–	–	–	–	–	–
	136.691.xx.B2	●	●	0.10	20	13.7	8.1	29	17.8	10.3	38	24.4	12.5	38	27.0	12.5	23	1	6	8
					26	13.2	9.6	35	17.1	11.8	44	23.2	13.9	44	25.7	13.9	35	2	6	8
					32	12.8	11.1	41	16.4	13.2	49	22.3	15.3	49	24.4	15.4	46	3	6	8
					38	12.5	12.5	46	16.0	14.7	55	21.3	16.8	55	23.4	16.8	58	4	6	8
					44	12.3	13.9	52	15.3	16.1	61	20.3	18.2	61	22.5	18.2	75	5	6	8
					49	12.0	15.4	58	14.8	17.5	67	19.7	19.7	67	21.5	19.7	–	–	–	–
					55	11.7	16.8	64	14.3	18.9	73	18.8	21.1	73	20.7	21.1	–	–	–	–
					61	11.3	18.2	70	13.8	20.4	78	18.0	22.5	78	19.6	22.5	–	–	–	–
					67	11.0	19.7	75	13.2	21.8	84	17.0	24.0	84	18.8	24.0	–	–	–	–
					73	10.5	21.1	81	12.7	23.2	87	16.7	24.7	87	18.2	24.7	–	–	–	–
					78	10.3	22.5	87	12.3	24.7	–	–	–	–	–	–	–	–	–	–
					81	10.2	23.2	–	–	–	–	–	–	–	–	–	–	–	–	–

Ordering Type + Material no. = Ordering no.
example: 136.682.xx.B2 + 1Y = 136.682.1Y.B2