

Pneumatic atomizing nozzles, full cone, pressure principle, internal mixing Series 136.1

Features:

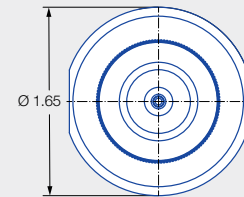
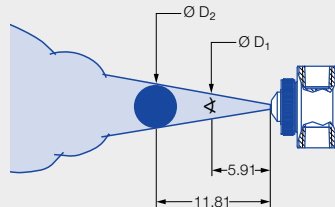
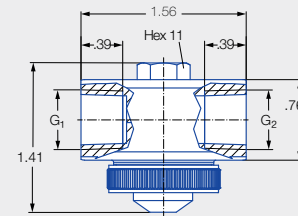
- Fine full cone atomization
- Liquid pressure principle
- Internal mixing

Applications:

- Humidification of air
- Cooling



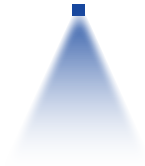
Series 136.1



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]	V water [gal/h]	V _n air [SCFM]	p air [psi]	V water [gal/h]	V _n air [SCFM]	p air [psi]	V water [gal/h]	V _n air [SCFM]	p air [psi]	V water [gal/h]	V _n air [SCFM]	p air [psi]	p water [psi]	Ø D ₁ [in]	Ø D ₂ [in]
20°	136.115.xx.B2	●	●	0.2	6	1.6	0.18	20	1.5	.47	35	2.4	0.6	44	2.9	0.7	12	10	2	4
					12	1.0	0.35	26	1.1	.59	41	2.0	0.7	49	2.5	0.8	26	22	2	4
					17	.45	0.53	32	.58	.82	46	1.6	0.9	55	2.2	0.9	38	29	2	4
					–	–	–	38	.32	1.0	52	1.2	1.1	61	1.8	1.1	46	44	2	4
					–	–	–	–	–	–	58	0.8	1.2	67	1.5	1.3	64	58	2	4
					–	–	–	–	–	–	64	0.5	1.5	73	1.1	1.5	–	–	–	–
					–	–	–	–	–	–	70	0.3	1.6	78	0.8	1.6	–	–	–	–
					–	–	–	–	–	–	76	0.1	1.8	84	0.6	1.8	–	–	–	–
	136.125.xx.B2	●	●	0.5	12	1.3	0.9	17	1.8	1.1	41	2.4	1.9	49	2.8	2.3	20	10	2	4
					17	1.2	1.1	23	1.7	1.3	46	2.3	2.2	55	2.7	2.5	32	22	2	4
					23	1.1	1.4	29	1.6	1.5	52	2.2	2.4	61	2.6	2.7	41	29	2	4
					29	0.9	1.5	35	1.5	1.8	58	2.1	2.6	67	2.5	2.9	49	44	2	4
					35	0.8	1.8	41	1.4	2.0	64	2.0	2.8	73	2.4	3.2	61	58	2	4
					41	0.7	1.9	46	1.3	2.2	70	1.9	3.1	78	2.3	3.4	–	–	–	–
					46	0.5	2.2	52	1.2	2.4	75	1.8	3.3	84	2.2	3.6	–	–	–	–
					52	0.4	2.4	58	1.0	2.6	81	1.7	3.5	–	–	–	–	–	–	–
					58.0	0.3	3	63.8	0.9	3	87	1.6	4	–	–	–	–	–	–	–
					63.8	0.3	3	69.6	0.8	3	–	–	–	–	–	–	–	–	–	–
					69.6	0.2	3	75.4	0.7	3	–	–	–	–	–	–	–	–	–	–
					–	–	–	81.2	0.6	3	–	–	–	–	–	–	–	–	–	–
					–	–	–	87.0	0.5	4	–	–	–	–	–	–	–	–	–	–





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						
					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]	Ø D1 [in]	Ø D2 [in]
20°	136.134.xx.B2	●	●	0.03	17	3.5	1.6	29	5.1	2.3	44	7.5	3.1	55	9.6	3.6	26	10	2	4
					23	3.3	1.9	35	4.8	2.6	49	7.2	3.4	61	8.4	4.0	41	22	2	4
					29	3.1	2.3	41	4.6	2.9	55	7.0	3.7	67	8.2	4.3	55	29	2	4
					35	3.0	2.6	46	4.4	3.2	61	6.8	4.0	73	8.1	4.6	75	44	3	4
					41	2.9	2.9	52	4.2	3.5	67	6.6	4.3	78	7.9	4.9	87	58	3	4
					46	2.8	3.2	58	4.1	3.8	73	6.4	4.6	84	7.7	5.2	-	-	-	-
					52	2.8	3.5	64	4.0	4.1	78	6.2	4.9	-	-	-	-	-	-	-
					58	2.7	3.8	70	3.9	4.5	84	6.1	5.2	-	-	-	-	-	-	-
					64	2.6	4.1	75	3.8	4.8	-	-	-	-	-	-	-	-	-	-
					70	2.6	4.5	81	3.7	5.1	-	-	-	-	-	-	-	-	-	-
					75	2.5	4.8	87	3.6	5.4	-	-	-	-	-	-	-	-	-	-
					81	2.4	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-
					87	2.2	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	136.142.xx.B2	●	●	0.10	20	6.4	3.0	23	14.1	2.8	46	18.7	4.7	55	24.6	5.4	12	10	2	4
					26	5.4	3.7	29	11.2	3.5	52	16.5	5.4	61	22.0	5.9	23	22	3	4
					32	5.3	4.2	35	9.3	4.2	58	14.7	6.2	67	19.9	6.7	44	29	2	4
					38	5.1	4.8	41	8.0	4.9	64	13.0	6.9	73	18.2	7.4	58	44	3	4
					44	4.6	5.5	46	7.5	5.6	70	11.8	7.6	78	16.8	8.1	87	58	3	4
					49	4.3	6.1	52	7.4	6.2	75	11.1	8.3	84	15.2	8.8	-	-	-	-
					55	4.5	6.7	58	7.2	6.8	81	10.7	8.9	-	-	-	-	-	-	-
					61	4.3	7.3	64	6.8	7.4	87	10.5	9.5	-	-	-	-	-	-	-
					67	3.9	7.8	70	6.4	7.9	-	-	-	-	-	-	-	-	-	-
					73	3.7	8.4	75	5.9	8.6	-	-	-	-	-	-	-	-	-	-
					78	3.4	9.0	81	5.7	9.2	-	-	-	-	-	-	-	-	-	-
					84	3.3	9.5	87	5.6	9.8	-	-	-	-	-	-	-	-	-	-

Ordering Type + Material no. = Ordering no.
example: 136.134.xx.B2 + 1Y = 136.134.1Y.B2