

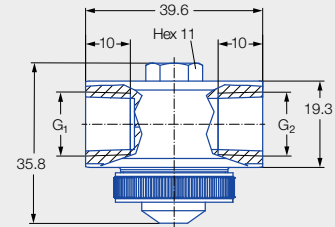
Pneumatic atomizing nozzles, full cone, pressure principle, internal mixing Series 136.1

Features:

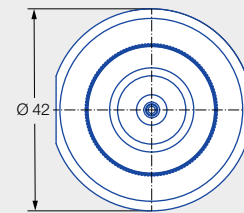
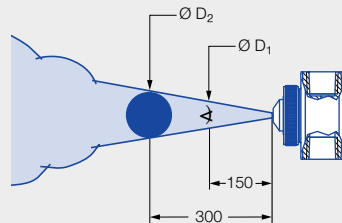
- Fine full cone atomization
- Liquid pressure principle
- Internal mixing

Applications:

- Humidification of air
- Cooling



Series 136.1



Liquid connection G ₁	Air connection G ₂	Screw plug thread (size 11)	Weight [g] (Stainless steel 303)
1/4 BSPP	1/4 BSPP	5/16-24 UNF-2A	220

Spray angle	Ordering no.			Narrowest free cross section Ø [mm]	Liquid pressure p [bar]												Spray dimensions			
	Type	Mat. no.																		
		1Y	16																	
		Stainless steel 316L	Stainless steel 303																	
					p air [bar]	ṽ water [l/h]	ṽ _n air [m³/h]	p air [bar]	ṽ water [l/h]	ṽ _n air [m³/h]	p air [bar]	ṽ water [l/h]	ṽ _n air [m³/h]	p air [bar]	ṽ water [l/h]	ṽ _n air [m³/h]	p air [bar]	p water [bar]	Ø D ₁ [mm]	Ø D ₂ [mm]
20°	136.115.xx.A2	●	●	0.5	0.4	5.9	0.3	1.4	5.8	0.8	2.4	9.1	1.1	3.0	11.0	1.2	0.8	0.7	60	100
					0.8	3.8	0.6	1.8	4.1	1.0	2.8	7.5	1.2	3.4	9.6	1.4	1.8	1.5	60	95
					1.2	1.7	0.9	2.2	2.2	1.4	3.2	5.9	1.5	3.8	8.2	1.6	2.6	2.0	60	100
					–	–	–	2.6	1.2	1.7	3.6	4.4	1.8	4.2	6.8	1.9	3.2	3.0	55	95
					–	–	–	–	–	–	4.0	2.9	2.1	4.6	5.5	2.2	4.4	4.0	55	100
					–	–	–	–	–	–	4.4	2.0	2.5	5.0	4.1	2.5	–	–	–	–
					–	–	–	–	–	–	4.8	1.1	2.8	5.4	2.9	2.8	–	–	–	–
					–	–	–	–	–	–	5.2	0.4	3.0	5.8	2.1	3.1	–	–	–	–
	136.125.xx.A2	●	●	0.5	0.8	4.7	1.5	1.2	7.0	1.8	2.8	9.1	3.3	3.4	10.6	3.9	1.4	0.7	55	90
					1.2	4.4	1.9	1.6	6.6	2.2	3.2	8.7	3.7	3.8	10.3	4.3	2.2	1.5	55	95
					1.6	4.0	2.3	2.0	6.2	2.6	3.6	8.4	4.1	4.2	9.9	4.6	2.8	2.0	55	100
					2.0	3.5	2.6	2.4	5.8	3.0	4.0	8.0	4.5	4.6	9.6	5.0	3.4	3.0	60	100
					2.4	3.0	3.0	2.8	5.4	3.4	4.4	7.7	4.8	5.0	9.3	5.4	4.2	4.0	60	100
					2.8	2.7	3.2	3.2	4.9	3.7	4.8	7.3	5.2	5.4	8.9	5.8	–	–	–	–
					3.2	2.0	3.7	3.6	4.4	4.1	5.2	7.0	5.6	5.8	8.6	6.1	–	–	–	–
					3.6	1.6	4.1	4.0	3.9	4.5	5.6	6.6	5.9	–	–	–	–	–	–	–
					4.0	1.3	4.5	4.4	3.5	4.8	6.0	6.2	6.3	–	–	–	–	–	–	–
					4.4	1.0	4.9	4.8	3.1	5.2	–	–	–	–	–	–	–	–	–	–
					4.8	0.6	5.2	5.2	2.7	5.6	–	–	–	–	–	–	–	–	–	–
					–	–	–	5.6	2.3	5.9	–	–	–	–	–	–	–	–	–	–
					–	–	–	6.0	1.9	6.3	–	–	–	–	–	–	–	–	–	–

Spray angle	Ordering no.			Narrowest free cross section Ø [mm]	Liquid pressure p [bar]												Spray dimensions			
	Type	Mat. no.																		
		1Y	16		0.7			1.5			3.0			4.0			p air [bar]	p water [bar]	Ø D ₁ [mm]	Ø D ₂ [mm]
		Stainless steel 316L	Stainless steel 303		p air [bar]	v̇ water [l/h]	v̇ _n air [m³/h]	p air [bar]	v̇ water [l/h]	v̇ _n air [m³/h]	p air [bar]	v̇ water [l/h]	v̇ _n air [m³/h]	p air [bar]	v̇ water [l/h]	v̇ _n air [m³/h]				
20°	136.134.xx.A2	●	●	0.7	1.2	13.2	2.7	2.0	19.4	3.9	3.0	28.3	5.2	3.8	32.6	6.2	1.8	0.7	55	95
1.6					12.4	3.3	2.4	18.1	4.4	3.4	27.5	5.7	4.2	32.0	6.8	2.8	1.5	60	105	
2.0					11.8	3.9	2.8	17.3	4.9	3.8	26.7	6.3	4.6	31.3	7.3	3.8	2.0	60	105	
2.4					11.4	4.4	3.2	16.7	5.5	4.2	25.9	6.8	5.0	30.6	7.8	5.2	3.0	65	110	
2.8					11.1	4.9	3.6	16.1	6.0	4.6	25.0	7.3	5.4	29.9	8.4	6.0	4.0	65	110	
3.2					10.8	5.5	4.0	15.6	6.5	5.0	24.2	7.8	5.8	29.3	8.9	-	-	-	-	
3.6					10.6	6.0	4.4	15.2	7.0	5.4	23.6	8.4	-	-	-	-	-	-	-	
4.0					10.4	6.5	4.8	15.0	7.6	5.8	23.1	8.9	-	-	-	-	-	-	-	
4.4					10.1	7.0	5.2	14.6	8.1	-	-	-	-	-	-	-	-	-	-	
4.8					9.9	7.6	5.6	14.1	8.6	-	-	-	-	-	-	-	-	-	-	
5.2					9.5	8.1	6.0	13.8	9.1	-	-	-	-	-	-	-	-	-	-	
5.6					9.0	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	8.5	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-					
136.142.xx.A2	●	●	2.5	1.4	24.2	5.1	1.6	53.4	4.7	3.2	70.8	8.0	3.8	93.2	9.2	0.8	0.7	60	100	
				1.8	20.4	6.3	2.0	42.6	5.9	3.6	62.5	9.2	4.2	83.1	10.1	1.6	1.5	65	105	
				2.2	20.0	7.2	2.4	35.3	7.2	4.0	55.7	10.6	4.6	75.3	11.3	3.0	2.0	60	105	
				2.6	19.3	8.2	2.8	30.4	8.4	4.4	49.3	11.7	5.0	69.0	12.5	4.0	3.0	65	110	
				3.0	17.6	9.3	3.2	28.6	9.5	4.8	44.6	12.9	5.4	63.4	13.7	6.0	4.0	65	110	
				3.4	16.5	10.4	3.6	28.2	10.5	5.2	41.9	14.1	5.8	57.5	14.9	-	-	-	-	
				3.8	17.0	11.4	4.0	27.3	11.5	5.6	40.4	15.1	-	-	-	-	-	-	-	
				4.2	16.3	12.4	4.4	25.9	12.5	6.0	39.7	16.1	-	-	-	-	-	-	-	
				4.6	15.1	13.3	4.8	24.3	13.5	-	-	-	-	-	-	-	-	-	-	
				5.0	14.0	14.3	5.2	22.3	14.6	-	-	-	-	-	-	-	-	-	-	
				5.4	13.1	15.3	5.6	21.8	15.7	-	-	-	-	-	-	-	-	-	-	
				5.8	12.4	16.2	6.0	21.4	16.7	-	-	-	-	-	-	-	-	-	-	

Ordering Type + Material no. = Ordering no.
example: 136.134.xx.A2 + 1Y = 136.134.1Y.A2