

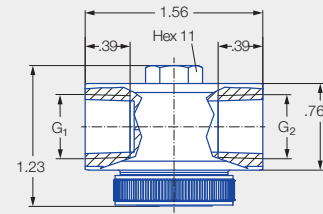
➤ Pneumatic atomizing nozzles, full cone, siphon principle, external mixing Series 136.3

Features:

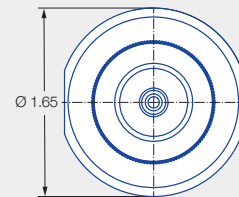
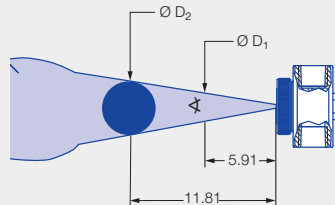
- Particularly fine full cone atomization
- Gravity/Siphon principle
- External mixing

Applications:

- Cooling
- Atomization of viscous liquids
- Chemical industry



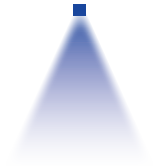
Series 136.3



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]	Air		V̇ water [gal/h]					Spray dimensions							
	Type	Material number		p [psig]	V̇ _n [SCFM]	Water column [in WC]			Aspiration height [in WC]		p _{air} [psig]	Aspiration height [in WS]	Ø D ₁ [in]	Ø D ₂ [in]				
		1Y				16	6	12	18	4					8	12	24	35
20°	136.316.xx.B2	●	●	0.02	9	0.4	–	0.4	0.3	–	–	–	–	–	20	12	2	4
					12	0.5	0.3	0.4	0.4	–	–	–	–	–	46	12	2	5
					17	0.6	0.4	0.4	0.4	0.3	0.2	–	–	–	70	12	3	5
					20	0.7	0.4	0.4	0.4	0.3	0.3	0.2	–	–	87	12	3	5
					26	0.8	0.4	0.5	0.5	0.3	0.3	0.2	–	–	–	–	–	–
					29	0.9	0.4	0.5	0.5	0.3	0.3	0.3	–	–	–	–	–	–
					35	1.1	0.5	0.5	0.5	0.4	0.3	0.3	0.1	–	–	–	–	–
					38	1.1	0.5	0.5	0.5	0.4	0.3	0.3	0.2	–	–	–	–	–
					44	1.2	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	–	–	–	–
					46	1.3	0.5	0.6	0.5	0.4	0.4	0.4	0.3	0.1	–	–	–	–
					52	1.4	0.5	0.6	0.6	0.5	0.4	0.4	0.3	0.2	–	–	–	–
					55	1.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	–	–	–	–
					61	1.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	–	–	–	–
					64	1.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	–	–	–	–
					70	1.8	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	–	–	–	–
					73	1.9	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.2	–	–	–	–
78	2.0	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.1	–	–	–	–					
81	2.1	0.5	0.6	0.6	0.5	0.4	0.4	0.2	–	–	–	–	–					
87	2.2	0.5	0.6	0.5	0.4	0.4	0.3	–	–	–	–	–	–					





Spray angle	Ordering number		Narrowest free cross section Ø [in]	Air		V̇ water [gal/h]					Spray dimensions								
	Type	Material number		p [psf]	V̇ _a [SCFM]	Water column [in WC]			Aspiration height [in WC]		p _{air} [psf]	Aspiration height [in WS]	Ø D ₁ [in]	Ø D ₂ [in]					
		1Y				16	6	12	18	4					8	12	24	35	
		Stainless steel 316L				Stainless steel 303													
20°	136.324.xx.B2	●	●	0.03	12	0.5	-	-	-	0.7	0.5	-	-	-	17	12	2	5	
					17	0.6	-	-	-	0.8	0.7	0.5	-	-	46	12	3	5	
					20	0.7	-	-	-	0.9	0.7	0.6	-	-	70	12	3	5	
					26	0.9	-	-	-	1.0	0.9	0.7	-	-	87	12	3	5	
					29	0.9	-	-	-	1.0	0.9	0.8	0.2	-	-	-	-	-	-
					35	1.1	-	-	-	1.1	1.0	0.8	0.4	-	-	-	-	-	-
					38	1.1	-	-	-	1.2	1.0	0.9	0.4	-	-	-	-	-	-
					44	1.2	1.4	-	-	1.2	1.1	1.0	0.5	-	-	-	-	-	-
					46	1.3	1.5	-	-	1.3	1.1	1.0	0.6	-	-	-	-	-	-
					52	1.4	1.5	-	-	1.3	1.2	1.1	0.7	-	-	-	-	-	-
					55	1.5	1.6	-	-	1.4	1.2	1.2	0.8	0.6	-	-	-	-	-
					61	1.6	1.7	1.8	-	1.5	1.4	1.2	0.8	0.8	-	-	-	-	-
					64	1.7	1.7	1.8	1.9	1.6	1.4	1.3	1.0	0.8	-	-	-	-	-
					70	1.8	1.7	1.7	1.8	1.6	1.4	1.4	1.0	0.5	-	-	-	-	-
					73	1.9	1.6	1.7	1.8	1.6	1.4	1.3	1.1	-	-	-	-	-	-
					78	2.0	1.5	1.6	1.7	1.5	1.3	1.2	1.0	-	-	-	-	-	-
	81	2.1	1.5	1.6	1.7	1.4	1.3	1.2	1.0	-	-	-	-	-	-				
	87	2.2	1.4	1.5	1.6	1.3	1.2	1.1	0.5	-	-	-	-	-	-				
		136.334.xx.B2	●	●	0.03	9	0.7	-	-	-	0.6	-	-	-	-	12	12	65	5
						12	0.8	-	-	-	0.7	0.6	0.4	-	-	46	12	65	5
17						1.1	-	-	-	0.9	0.8	0.7	0.2	-	70	12	70	5	
20						1.2	-	-	-	1.0	0.9	0.8	0.3	-	87	12	75	5	
26						1.4	1.4	-	-	1.1	1.0	0.9	0.6	-	-	-	-	-	-
29						1.5	1.4	1.6	1.7	1.2	1.1	1.0	0.7	0.2	-	-	-	-	-
35						1.6	1.5	1.7	1.8	1.3	1.2	1.1	0.9	0.4	-	-	-	-	-
38						1.8	1.6	1.7	1.8	1.3	1.2	1.2	0.9	0.5	-	-	-	-	-
44						2.0	1.7	1.8	1.9	1.4	1.3	1.2	1.0	0.6	-	-	-	-	-
46						2.1	1.7	1.8	1.9	1.5	1.4	1.3	1.1	0.7	-	-	-	-	-
52						2.3	1.8	1.9	2.0	1.5	1.5	1.4	1.1	0.9	-	-	-	-	-
55						2.4	1.8	1.9	2.1	1.6	1.5	1.4	1.2	1.0	-	-	-	-	-
61						2.6	1.9	2.1	2.2	1.7	1.6	1.5	1.3	1.1	-	-	-	-	-
64						2.7	2.0	2.2	2.3	1.8	1.7	1.6	1.4	1.2	-	-	-	-	-
70	2.9	2.2	2.3	2.4	1.9	1.8	1.8	1.5	1.3	-	-	-	-	-					
73	3.0	2.3	2.3	2.4	2.0	1.9	1.9	1.6	1.4	-	-	-	-	-					
78	3.2	2.2	2.3	2.3	2.0	2.0	1.9	1.7	1.5	-	-	-	-	-					
81	3.3	2.2	2.2	2.3	2.0	2.0	1.9	1.7	1.5	-	-	-	-	-					
87	3.5	2.1	2.2	2.2	1.9	1.9	1.8	1.6	1.5	-	-	-	-	-					

