



اسپری نازل های صنعتی

مخروطی چتری

HOLLOW CONE

INDUSTRIAL SPRAY NOZZLES

2L 226	2-1
2L 214, 2L 216	2-2
2B NCJ	2-3

Axial Flow Hollow-Cone Spray Nozzles Spadflow Series 2L 226

Webpage
+ STP



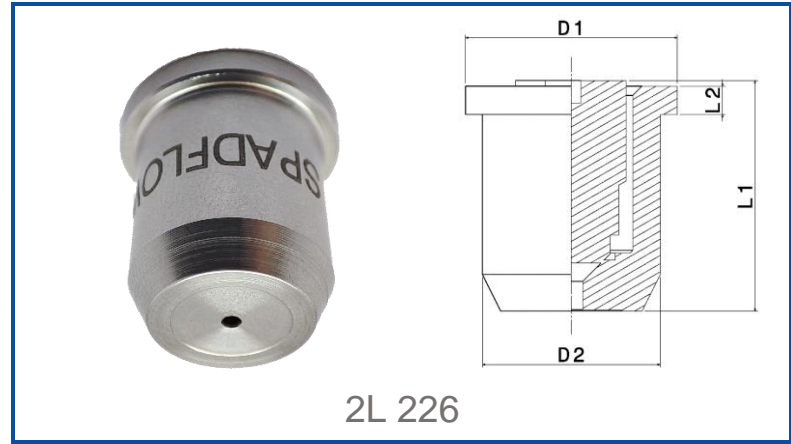
Nozzle for Retaining Nut

Applications:

- Disinfection
- Humidification
- Cooling
- Chemical processes
- Adiabatic cooling

Properties:

- Assembly with retaining nut 3/8 BSPP
- Extremely fine
- Fog-like hollow cone spray

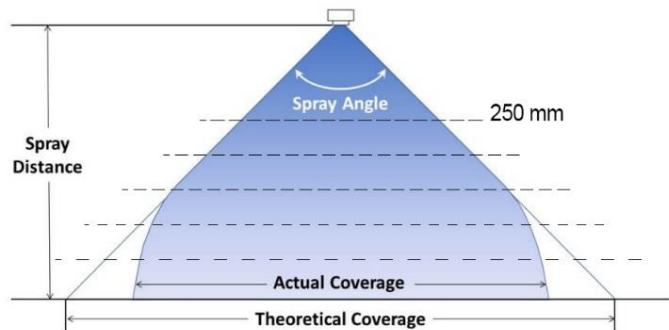


Dimensions [mm]				Weight
L ₁	L ₂	D ₁	D ₂	
18.0	2.0	14.8	12.65	13 g

Material*	Code
S.S.304	2
S.S.316	3

* Different materials are available upon request

α	Spray coverage
	@ 250 mm
60°	120-160
80°	190-300



Spray angle (α)	Code	B Ø [mm]	E Ø [mm]	Mesh size [mm] Strainer	Flow rate [l/min]							
					P [bar]							
					2.0	3.0	5.0	7.0	10.0	20.0	50.0	100.0
60°	2L 226 00 . 060	0.10	0.10	0.04	-	-	0.013	0.015	0.018	0.026	0.041	0.058
	2L 226 01 . 060	0.15	0.15	0.04	-	0.015	0.019	0.022	0.027	0.038	0.060	0.085
	2L 226 05 . 060	0.20	0.15	0.04	0.017	0.021	0.027	0.032	0.038	0.054	0.085	0.121
80°	2L 226 08 . 080	0.25	0.25	0.10	0.025	0.031	0.040	0.047	0.057	0.080	0.126	0.179
	2L 226 12 . 080	0.35	0.35	0.10	0.039	0.048	0.062	0.073	0.088	0.124	0.196	0.277
	2L 226 14 . 080	0.40	0.40	0.10	0.052	0.064	0.082	0.097	0.116	0.164	0.259	0.367
	2L 226 16 . 080	0.45	0.45	0.10	0.065	0.080	0.103	0.122	0.146	0.206	0.326	0.461
	2L 226 18 . 080	0.55	0.35	0.20	0.082	0.101	0.130	0.154	0.184	0.260	0.411	0.581
	2L 226 20 . 080	0.60	0.35	0.20	0.106	0.130	0.168	0.199	0.238	0.336	0.531	0.751
	2L 226 24 . 080	0.70	0.50	0.20	0.165	0.202	0.261	0.309	0.369	0.522	0.825	1.167
2L 226 28 . 080	0.90	0.55	0.20	0.247	0.302	0.390	0.461	0.552	0.780	1.233	1.744	

B = bore diameter E = narrowest free cross section

Order No.: CODE . MATERIAL

Example.: 2L 226 00 . 060 . 3

Type 2L 226 with mentioned Q(lpm)@P(bar), Spray angle: 60°, S.S.316

Axial Flow Hollow-Cone Spray Nozzles

Spadflow Series 2L 214 – 2L 216



2L 214
2L 216

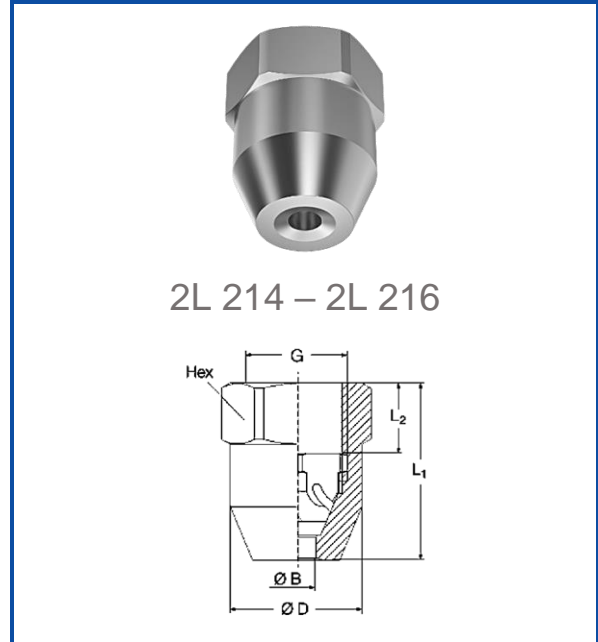
Low Flow Axial Hollow-cone

Applications:

- Cooling and cleaning of air
- and gas
- Dust control
- Spraying onto filters
- Spray drying
- Desuperheating
- Sprinkling

Properties:

- Extremely fine
- Uniform hollow cone spray



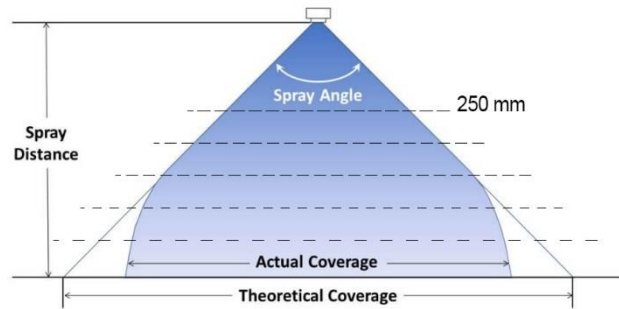
2L 214 – 2L 216

Size	Conn. code			Dimensions [mm]				Weight
	BSPT	BSPP	NPT	L ₁	L ₂	D	Hex	
1/8"	018T	018P	018N	18.0	6.0	16.0	17	27 g
3/8"	038T	038P	038N	29.0	12.0	21.3	22	60 g

Material*	Code
Brass	1
S.S.304	2
S.S.316	3

* Different materials are available upon request

α	Spray coverage
	@ 250 mm
60°	200
80°	450
90°	500



Spray angle α	Code	Connection** [inch]	B Ø [mm]	E Ø [mm]	Flow rate [l/min]						
					P [bar]						
					0.5	1.0	2.0	3.0	5.0	10.0	20.0
60°	2L 214 18 . 060	1/8"	0.50	0.50	-	-	0.08	0.10	0.13	0.18	0.25
	2L 216 32 . 060	3/8"	1.00	1.00	-	0.28	0.40	0.49	0.63	0.89	1.26
	2L 216 36 . 060	3/8"	1.40	1.40	-	0.45	0.63	0.77	1.00	1.41	1.99
	2L 216 40 . 060	3/8"	2.00	2.00	-	0.71	1.00	1.22	1.58	2.24	3.16
80°	2L 214 24 . 080	1/8"	1.00	0.50	-	-	0.16	0.20	0.25	0.36	0.51
	2L 214 30 . 080	1/8"	1.80	0.50	-	0.23	0.32	0.39	0.51	0.72	1.01
90°	2L 216 49 . 090	3/8"	6.00	2.00	-	1.20	1.70	2.08	2.69	3.80	5.38
	2L 216 56 . 090	3/8"	4.00	2.00	-	1.77	2.50	3.06	3.95	5.59	7.91
	2L 216 64 . 090	3/8"	3.50	2.00	2.00	2.83	4.00	4.90	6.32	8.94	12.65
	2L 216 68 . 090	3/8"	4.00	2.00	2.50	3.54	5.00	6.12	7.91	11.18	15.81
	2L 216 72 . 090	3/8"	5.00	2.00	3.15	4.45	6.30	7.72	9.96	14.09	19.92
	2L 216 77 . 090	3/8"	6.00	2.00	4.30	6.00	8.50	10.40	13.40	19.00	26.90

** Different connection sizes are available upon request
B = bore diameter E = narrowest free cross section

Order No.: **CODE . CONNETION . MATERIAL**

Example.: 2L 214 18 . 060 . 018T . 3 Type 2L 214 with mentioned Q(lpm)@P(bar), Spray angle: 60°, 1/8" BSPT, S.S.316



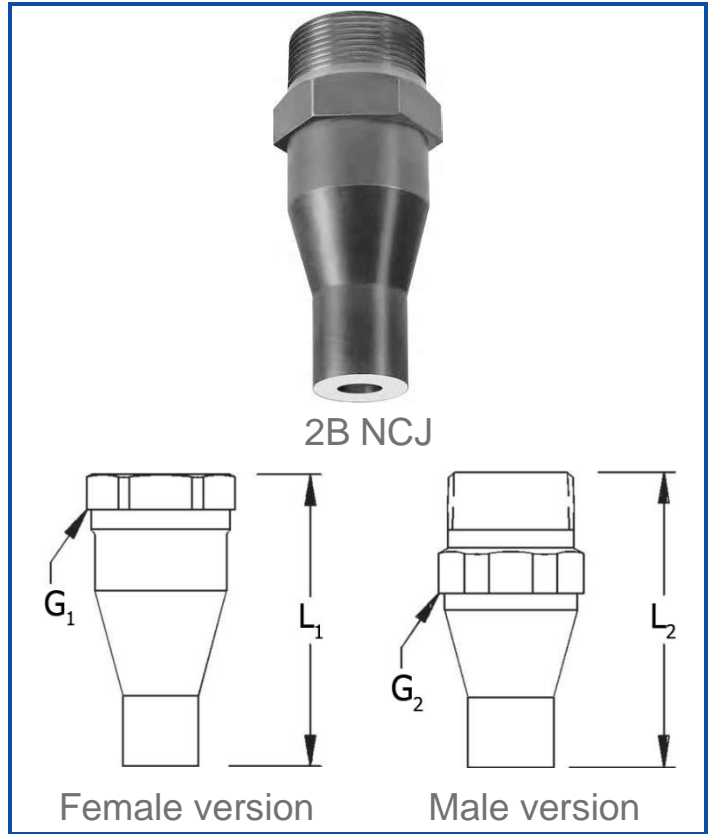
High Flow Hollow-Cone Nozzle

Applications:

- Venturi scrubbing

Properties:

- High velocity
- Male and female connections
- Flanged connections available
- Spray is coarse and extremely hard-driving

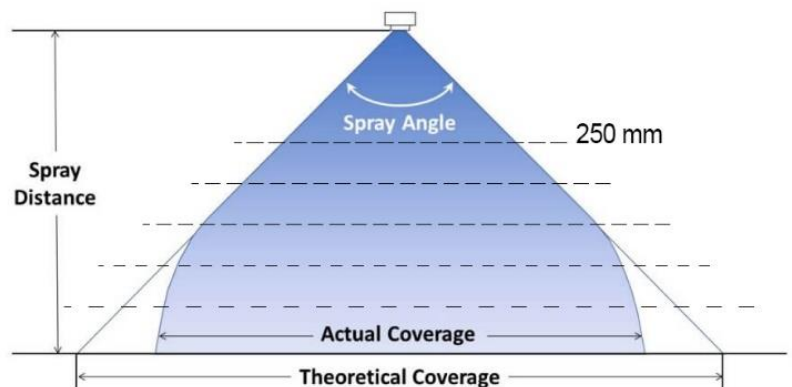


Size	Conn. code			Dimensions [mm]			Weight (g) (metal)
	BSPT	BSPP	NPT	L ₁	G ₂	L ₂	
3/4"	034T	034P	034N	82.6	28.4	82.6	0.34
1"	100T	100P	100N	88.9	35.1	88.9	0.45
1 1/4"	114T	114P	114N	102	44.5	102	0.57
1 1/2"	112T	112P	112N	127	50.8	127	1.02
2"	200T	200P	200N	152	63.5	152	1.13
2 1/2"	212T	212P	212N	194	76.2	178	2.61
3"	300T	300P	300N	203	88.9	203	2.84
4"	400T	400P	400N	278	114	251	6.80
6"	600T	600P	600N	381	168	343	15.9

Material*	Code
Brass	1
S.S.304	2
S.S.316	3

* Different materials are available upon request

α	Spray coverage @ 250 mm
15°	60
20°	90
30°	130



Order No.: **CODE . CONNETION . MATERIAL**

Example: 2B NCJ 06 . 015 . 034T . 3 Type 2B NCJ with mentioned Q(lpm)@P(bar), Spray angle: 15°, 3/4" BSPT, S.S.316



Spray angle α	Code	Connection** [inch]	B \varnothing [mm]	Flow rate [l/min]							
				P [bar]							
				0.5	0.7	1.0 <i>K</i> factor	1.5	2.0	3.0	5.0	7.0
15°	2B NCJ 06 . 015	3/4"	7.52	23.1	27.0	32.0	38.7	44.3	53.6	68.1	79.8
	2B NCJ 12 . 015	1"	10.3	46.2	54.1	64.0	77.4	88.6	107	136	160
	2B NCJ 18 . 015	1 1/4"	12.3	69.3	81.1	95.9	116	133	161	204	239
	2B NCJ 26 . 015	1 1/2"	15.1	100	117	139	168	192	232	295	346
	2B NCJ 48 . 015	2"	20.2	185	216	256	310	354	429	545	638
	2B NCJ 72 . 015	2 1/2"	24.6	277	325	384	464	532	643	818	958
	2B NCJ 05 . 015	3"	29.5	404	473	560	677	775	938	1190	1400
	2B NCJ 90 . 015	4"	40.5	731	856	1010	1230	1400	1700	2160	2530
2B NCJ 50 . 015	6"	54.0	1380	1580	1860	2260	2580	3130	3980	4660	
20°	2B NCJ 06 . 020	3/4"	7.52	23.1	27.0	32.0	38.7	44.3	53.6	68.1	79.8
	2B NCJ 12 . 020	1"	10.3	46.2	54.1	64.0	77.4	88.6	107	136	160
	2B NCJ 18 . 020	1 1/4"	12.3	69.3	81.1	95.9	116	133	161	204	239
	2B NCJ 26 . 020	1 1/2"	15.1	100	117	139	168	192	232	295	346
	2B NCJ 48 . 020	2"	20.2	185	216	256	310	354	429	545	638
	2B NCJ 72 . 020	2 1/2"	24.6	277	325	384	464	532	643	818	958
	2B NCJ 05 . 020	3"	29.5	404	473	560	677	775	938	1190	1400
	2B NCJ 90 . 020	4"	40.5	731	856	1010	1230	1400	1700	2160	2530
2B NCJ 50 . 020	6"	54.0	1380	1580	1860	2260	2580	3130	3980	4660	
30°	2B NCJ 06 . 030	3/4"	7.52	23.1	27.0	32.0	38.7	44.3	53.6	68.1	79.8
	2B NCJ 12 . 030	1"	10.3	46.2	54.1	64.0	77.4	88.6	107	136	160
	2B NCJ 18 . 030	1 1/4"	12.3	69.3	81.1	95.9	116	133	161	204	239
	2B NCJ 26 . 030	1 1/2"	15.1	100	117	139	168	192	232	295	346
	2B NCJ 48 . 030	2"	20.2	185	216	256	310	354	429	545	638
	2B NCJ 72 . 030	2 1/2"	24.6	277	325	384	464	532	643	818	958
	2B NCJ 05 . 030	3"	29.5	404	473	560	677	775	938	1190	1400
	2B NCJ 90 . 030	4"	40.5	731	856	1010	1230	1400	1700	2160	2530
2B NCJ 50 . 030	6"	54.0	1380	1580	1860	2260	2580	3130	3980	4660	

** Different connection sizes are available upon request

B = bore diameter