



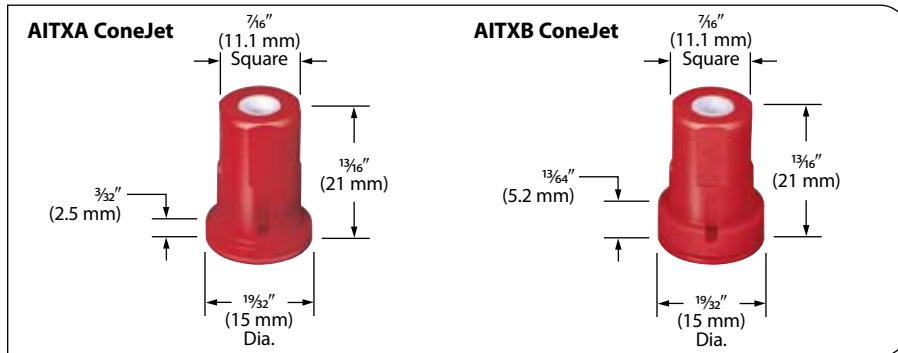
# AITX ConeJet® Air Induction Hollow Cone Spray Tip

## Typical Applications:

Hollow cone spray pattern is ideal for airblast and directed spray applications.

## Features:

- Constructed of polypropylene, ceramic and Viton® for excellent chemical and wear resistance.
- Removable pre-orifice for fast and easy cleaning.
- Available in VisiFlo® ceramic (VK).
- Larger droplets are produced, as compared to standard TX ConeJet, through the use of a venturi air aspirator resulting in reduced drift and improved canopy penetration.
- Ideal for sprayers equipped with automatic control systems.
- AITXA to be used with CP25607-\*-NY Quick TeeJet cap.
- AITXB to be used with Albuz caps or equivalent.
- Suggested spray pressure of 60–300 PSI (4–20 bar).



## How to order:

Specify tip number.

Example:

AITXA8001VK – Ceramic with VisiFlo color-coding

		GPM															
		60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI	
	AITX†8001VK	50	0.121	0.130	0.138	0.146	0.154	0.168	0.181	0.192	0.203	0.214	0.224	0.233	0.242	0.251	0.260
	AITX†80015VK	50	0.181	0.195	0.209	0.221	0.233	0.255	0.275	0.294	0.312	0.328	0.344	0.359	0.374	0.388	0.401
	AITX†8002VK	50	0.247	0.267	0.286	0.303	0.320	0.351	0.379	0.405	0.430	0.453	0.476	0.497	0.517	0.537	0.556
	AITX†80025VK	50	0.300	0.324	0.347	0.368	0.387	0.424	0.458	0.490	0.519	0.548	0.574	0.600	0.624	0.648	0.670
	AITX†8003VK	50	0.360	0.389	0.417	0.443	0.467	0.513	0.554	0.594	0.630	0.665	0.698	0.730	0.760	0.790	0.818
	AITX†8004VK	50	0.480	0.519	0.556	0.590	0.623	0.684	0.740	0.792	0.841	0.887	0.931	0.974	1.01	1.05	1.09

†Specify "A" or "B." **Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 173–187 for useful formulas and information.

# ConeJet® VisiFlo® Hollow Cone Spray Tips



## Typical Applications:

**Excellent:** Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops. Also well-suited for applications of insecticides, fungicides, defoliants and foliar fertilizers at pressures of 40 PSI (3 bar) and above.

## Features:

- VisiFlo color-coded versions consist of stainless steel or ceramic orifice in a polypropylene body.

- Standard ConeJet spray nozzles (not color-coded) are available in brass and stainless steel with 65° (TY) and 80° (TX) spray angles.
- Finely atomized hollow cone spray pattern provides thorough coverage.
- Maximum pressure rating of 300 PSI (20 bar) [spray angle is 80° at 100 PSI (7 bar)].



Icon	Icon	GPM																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TX-VS1	100	0.015	0.017	0.018	0.020	0.021	0.022	0.023	0.024	0.026	0.028	0.030	0.031	0.032	0.034	0.035	0.036	0.037	0.038
TX-VS2	100	0.029	0.033	0.037	0.040	0.043	0.045	0.047	0.050	0.054	0.058	0.061	0.064	0.067	0.070	0.073	0.075	0.078	0.080
TX-VK3	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
TX-VK4	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
TX-VK6	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
TX-VK8	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349
TX-VK10	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437
TX-VK12	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
TX-VK18	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
TX-VK26	50	0.376	0.433	0.484	0.530	0.572	0.611	0.648	0.683	0.747	0.807	0.862	0.914	0.963	1.01	1.05	1.10	1.14	1.18
TX†800050VK	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
TX†800067VK	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
TX†8001VK	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
TX†80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393
TX†8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
TX†8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
TX†8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09

†Specify "A" or "B." See pages 43 and 44 for more information on ConeJet spray tips. **Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 173–187 for useful formulas and information.

# TeeJet® VisiFlo Flat Spray Tips

## Typical Applications:

**Excellent:** Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops. Also well-suited for applications of insecticides, fungicides, defoliants and foliar fertilizers at pressures of 40 PSI (3 bar) and above.

## Features:

- Tapered-edge flat spray pattern for uniform coverage.
- VisiFlo color-coded version available with ceramic orifice.
- Maximum pressure rating of 300 PSI (20 bar).



Icon	Icon	GPM																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TP8001VK	100	0.087	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27
TP80015VK	100	0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.26	0.28	0.30	0.32	0.34	0.35	0.37	0.38	0.40	0.41
TP8002VK	50	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.35	0.37	0.40	0.42	0.45	0.47	0.49	0.51	0.53	0.55
XR8003VK	50	0.26	0.30	0.34	0.37	0.40	0.42	0.45	0.47	0.52	0.56	0.60	0.64	0.67	0.70	0.73	0.76	0.79	0.82
XR8004VK	50	0.35	0.40	0.45	0.49	0.53	0.57	0.60	0.63	0.69	0.75	0.80	0.85	0.89	0.94	0.98	1.02	1.06	1.10
XR8005VK	50	0.43	0.50	0.56	0.61	0.66	0.71	0.75	0.79	0.87	0.94	1.00	1.06	1.12	1.17	1.22	1.27	1.32	1.37
XR8006VK	50	0.52	0.60	0.67	0.73	0.79	0.85	0.90	0.95	1.04	1.12	1.20	1.27	1.34	1.41	1.47	1.53	1.59	1.64
XR8008VK	50	0.69	0.80	0.89	0.98	1.06	1.13	1.20	1.26	1.39	1.50	1.60	1.70	1.79	1.88	1.96	2.04	2.12	2.19

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 173–187 for useful formulas and information.



# TeeJet® Disc-Core Type Hollow Cone Spray Tips

## Typical Assembly with Ceramic Disc and Core



\*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

**Hollow Cone Spray Pattern**  
Produced by Cores #13, 23, 25, 45 & 46



## Hollow Cone Type Spray Tips

Nozzle	Disc	Orifice	GPM										Angle		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC13	.031"	—	—	.059	.066	.078	.088	.097	.115	.128	.152	—	51°	62°
D1.5	DC13	.036"	—	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041"	—	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047"	—	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063"	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031"	—	—	.064	.072	.080	.096	.107	.124	.139	.164	—	47°	58°
D1.5	DC23	.036"	—	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041"	—	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047"	.065	.087	.10	.12	.14	.16	.18	.21	.24	.28	58°	69°	75°
D4	DC23	.063"	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078"	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094"	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031"	—	—	.088	.101	.122	.138	.156	.185	.210	.255	—	27°	43°
D1.5	DC25	.036"	—	—	.118	.135	.162	.185	.205	.245	.280	.33	—	38°	49°
D2	DC25	.041"	—	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063"	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078"	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094"	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109"	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125"	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156"	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188"	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219"	.51	.72	.88	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°
D1	DC45	.031"	—	—	—	.125	.148	.170	.190	.225	.257	.310	—	22°	34°
D1.5	DC45	.036"	—	—	.14	.16	.20	.23	.25	.31	.35	.43	—	33°	44°
D2	DC45	.041"	—	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047"	—	.17	.20	.23	.28	.33	.36	.44	.51	.62	40°	53°	60°
D4	DC45	.063"	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078"	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094"	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109"	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.94	81°	86°	87°
D8	DC45	.125"	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156"	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188"	.67	.95	1.17	1.36	1.68	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218"	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250"	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031"	—	—	—	.145	.178	.205	.23	.28	.32	.39	—	13°	15°
D1.5	DC46	.036"	—	—	—	.213	.260	.300	.33	.41	.46	.56	—	15°	17°
D2	DC46	.041"	—	—	.24	.27	.33	.37	.42	.50	.57	.68	—	18°	21°
D3	DC46	.047"	—	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063"	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078"	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094"	.55	.78	.95	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109"	—	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125"	—	—	1.59	1.84	2.25	2.62	2.93	3.60	4.17	5.05	—	60°	62°
D10	DC46	.156"	—	—	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.80	—	66°	68°



**CP26277-1-NY Quick TeeJet® Cap**  
For ceramic disc and core.  
See page 63 for ordering information.

**How to order:**  
To order orifice disc only, specify disc number and material.

Examples:

- DCER-2 – Ceramic
- D2 – Hardened Stainless Steel
- DE-2 – Stainless Steel
- DVP-2 – Polymer

To order core only, specify core number and material.

Examples:

- DC13-CER – Ceramic
- DC13-HSS – Hardened Stainless Steel
- DC13-AL – Aluminum
- DC13 – Brass
- DC13-NY – Nylon

**STRAINER NOTE:** For nozzles using orifice disc numbers 1, 1.5 and 2, or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 173–187 for useful formulas and information.



## Typical Applications:

For spraying pesticides at higher pressures and flow rates. Especially suitable for wettable powders and other abrasive chemicals. Larger capacity nozzles are also used in air blast sprayers.

## Features:

- Produce smaller droplets for thorough coverage with contact pesticides and foliar applications.
- Maximum spray pressure to 300 PSI (20 bar).

## Orifice Discs

Available in a variety of sizes and materials. Ceramic for increased wear life, hardened stainless steel, stainless steel and polymer.



Ceramic      Hardened Stainless Steel      Stainless Steel      Polymer

## Cores

Standard cores are made of brass. Also available in ceramic, hardened stainless steel, aluminum and Nylon. All cores with the exception of ceramic are made with rear "nibs." Make sure core is always placed with the nib facing the nozzle body.

## Ceramic Sizes Available:

DCER-2 through DCER-8, DCER-10.

## Ceramic Sizes Available:

DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.



Ceramic      Hardened Stainless Steel      Aluminum      Brass      Nylon      CP18999      Seal

**Full Cone Spray Pattern**  
Produced by Cores #31, 33, 35 & 56



## Full Cone Type Spray Tips

Nozzle	Orifice Disc	Orifice Size	GPM												Spray Angle		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI		
D1	DC31	.031"	.08	.11	.13	.15	.18	.20	.23	.27	.31	.37	49°	47°	43°		
D1.5	DC31	.036"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	57°	65°	53°		
D2	DC31	.041"	.12	.16	.19	.22	.26	.30	.33	.40	.45	.55	62°	63°	61°		
D3	DC31	.047"	.13	.18	.21	.24	.29	.33	.37	.44	.50	.60	63°	65°	63°		
D1	DC33	.031"	.09	.11	.12	.14	.17	.20	.22	.26	.30	.37	27°	32°	35°		
D1.5	DC33	.036"	.12	.15	.17	.19	.23	.26	.30	.36	.41	.50	37°	43°	45°		
D2	DC33	.041"	.13	.17	.21	.24	.29	.33	.37	.45	.52	.63	45°	52°	55°		
D3	DC33	.047"	.15	.21	.25	.29	.36	.41	.45	.55	.63	.76	48°	54°	57°		
D4	DC33	.063"	.20	.28	.34	.39	.47	.54	.60	.73	.83	1.02	50°	56°	61°		
D1	DC35	.031"	.08	.11	.13	.14	.17	.20	.22	.26	.29	.35	19°	23°	26°		
D1.5	DC35	.036"	.10	.14	.17	.19	.23	.26	.29	.34	.39	.46	23°	27°	29°		
D2	DC35	.041"	.14	.18	.24	.25	.30	.34	.37	.45	.51	.60	40°	44°	47°		
D3	DC35	.047"	.16	.22	.26	.30	.36	.41	.45	.55	.62	.74	45°	50°	52°		
D4	DC35	.063"	.27	.37	.44	.50	.60	.70	.79	.93	1.1	1.3	68°	70°	71°		
D5	DC35	.078"	.34	.48	.58	.66	.80	.92	1.0	1.2	1.4	1.7	67°	69°	71°		
D2	DC56	.041"	—	—	.21	.25	.30	.35	.39	.47	.55	.67	—	14°	17°		
D3	DC56	.047"	—	—	.29	.34	.41	.48	.53	.65	.75	.92	—	20°	23°		
D4	DC56	.063"	—	.39	.48	.55	.67	.78	.87	1.06	1.23	1.51	20°	26°	29°		
D5	DC56	.078"	.38	.54	.66	.76	.93	1.08	1.20	1.47	1.69	2.08	26°	32°	34°		
D6	DC56	.094"	.55	.78	.95	1.10	1.35	1.55	1.74	2.13	2.46	3.02	34°	39°	41°		
D7	DC56	.109"	.76	1.07	1.32	1.52	1.86	2.15	2.40	2.94	3.40	4.16	45°	52°	54°		
D8	DC56	.125"	.96	1.36	1.67	1.93	2.36	2.73	3.05	3.73	4.32	5.28	52°	57°	59°		
D10	DC56	.156"	1.35	1.91	2.34	2.70	3.31	3.82	4.26	5.22	6.03	7.39	62°	65°	67°		

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 173–187 for useful formulas and information.

## How to order:

To order orifice disc only, specify disc number and material.

Examples:

- DCER-2 – Ceramic
- D2 – Hardened Stainless Steel
- DE-2 – Stainless Steel
- DVP-2 – Polymer

To order core only, specify core number and material.

Examples:

- DC13-CER – Ceramic
- DC13-HSS – Hardened Stainless Steel
- DC13-AL – Aluminum
- DC13 – Brass
- DC13-NY – Nylon
- CP18999-EPR Seal Gasket

**STRAINER NOTE:** For nozzles using orifice disc numbers 1, 1.5 and 2; or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.