TeeJet® Disc-Core Type Full Cone Spray Tips

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).

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

Orifice Discs

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

Ceramic Sizes Available:
DCER-2 through DCER-8, DCER-10.


Ceramic


Hardened Stainless Steel


Stainless Steel


Polymer

Cores

Standard cores are made of brass. Also available in ceramic, hardened stainless steel 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:
DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.

Ceramic


Hardened Stainless Steel


Brass


Nylon


CP18999

Seal

Full Cone Type Spray Tips

			GPM												
			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 136–157 for useful formulas and other information.

How to order:

To order orifice disc only, specify disc number and material. Note: For proper assembly and performance, disc and core must both be of like materials.

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 – 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.