



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.

- 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 and polymer.

Ceramic Sizes Available:

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

Typical Assembly with Ceramic Disc and Core



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



Hollow Cone Spray Pattern

Produced by Cores #13, 23, 25, 45 & 46

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". Be 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.



Disc	Core	bar	CAPACITY ONE NOZZLE IN l/min	l/ha 50cm										
				5 km/h	6 km/h	7 km/h	8 km/h	9 km/h	10 km/h	12 km/h	14 km/h	16 km/h		
D2	DC13	5.0	0.41	98.4	82.0	70.3	61.5	54.7	49.2	41.0	35.1	30.8		
		10.0	0.53	127	106	90.9	79.5	70.7	63.6	53.0	45.4	39.8		
		15.0	0.63	151	126	108	94.5	84.0	75.6	63.0	54.0	47.3		
		20.0	0.70	168	140	120	105	93.3	84.0	70.0	60.0	52.5		
D3	DC13	5.0	0.44	106	88.0	75.4	66.0	58.7	52.8	44.0	37.7	33.0		
		10.0	0.59	142	118	101	88.5	78.7	70.8	59.0	50.6	44.3		
		15.0	0.68	163	136	117	102	90.7	81.6	68.0	58.3	51.0		
		20.0	0.77	185	154	132	116	103	92.4	77.0	66.0	57.8		
D4	DC13	5.0	0.59	142	118	101	88.5	78.7	70.8	59.0	50.6	44.3		
		10.0	0.76	182	152	130	114	101	91.2	76.0	65.1	57.0		
		15.0	0.89	214	178	153	134	119	107	89.0	76.3	66.8		
		20.0	1.00	240	200	171	150	133	120	100	85.7	75.0		
D2	DC23	5.0	0.53	127	106	90.9	79.5	70.7	63.6	53.0	45.4	39.8		
		10.0	0.70	168	140	120	105	93.3	84.0	70.0	60.0	52.5		
		15.0	0.83	199	166	142	125	111	99.6	83.0	71.1	62.3		
		20.0	0.93	223	186	159	140	124	112	93.0	79.7	69.8		
D3	DC23	5.0	0.58	139	116	99.4	87.0	77.3	69.6	58.0	49.7	43.5		
		10.0	0.78	187	156	134	117	104	93.6	78.0	66.9	58.5		
		15.0	0.93	223	186	159	140	124	112	93.0	79.7	69.8		
		20.0	1.10	264	220	189	165	147	132	110	94.3	82.5		
D4	DC23	5.0	0.77	185	154	132	116	103	92.4	77.0	66.0	57.8		
		10.0	1.10	264	220	189	165	147	132	110	94.3	82.5		
		15.0	1.30	312	260	223	195	173	156	130	111	97.5		
		20.0	1.40	336	280	240	210	187	168	140	120	105		
D5	DC23	5.0	0.91	218	182	156	137	121	109	91.0	78.0	68.3		
		10.0	1.30	312	260	223	195	173	156	130	111	97.5		
		15.0	1.50	360	300	257	225	200	180	150	129	113		
		20.0	1.70	408	340	291	255	227	204	170	146	128		
D2	DC25	5.0	0.79	190	158	135	119	105	94.8	79.0	67.7	59.3		
		10.0	1.10	264	220	189	165	147	132	110	94.3	82.5		
		15.0	1.30	312	260	223	195	173	156	130	111	97.5		
		20.0	1.50	360	300	257	225	200	180	150	129	113		
D3	DC25	5.0	0.95	228	190	163	143	127	114	95.0	81.4	71.3		
		10.0	1.30	312	260	223	195	173	156	130	111	97.5		
		15.0	1.60	384	320	274	240	213	192	160	137	120		
		20.0	1.80	432	360	309	270	240	216	180	154	135		
D4	DC25	5.0	1.40	336	280	240	210	187	168	140	120	105		
		10.0	2.00	480	400	343	300	267	240	200	171	150		
		15.0	2.40	576	480	411	360	320	288	240	206	180		
		20.0	2.80	672	560	480	420	373	336	280	240	210		
D5	DC25	5.0	1.70	408	340	291	255	227	204	170	146	128		
		10.0	2.40	576	480	411	360	320	288	240	206	180		
		15.0	2.90	696	580	497	435	387	348	290	249	218		
		20.0	3.30	792	660	566	495	440	396	330	283	248		
D2	DC45	5.0	1.00	240	200	171	150	133	120	100	85.7	75.0		
		10.0	1.40	336	280	240	210	187	168	140	120	105		
		15.0	1.70	408	340	291	255	227	204	170	146	128		
		20.0	2.00	480	400	343	300	267	240	200	171	150		
D3	DC45	5.0	1.20	288	240	206	180	160	144	120	103	90.0		
		10.0	1.60	384	320	274	240	213	192	160	137	120		
		15.0	2.00	480	400	343	300	267	240	200	171	150		
		20.0	2.30	552	460	394	345	307	276	230	197	173		
D4	DC45	5.0	1.80	432	360	309	270	240	216	180	154	135		
		10.0	2.50	600	500	429	375	333	300	250	214	188		
		15.0	3.10	744	620	531	465	413	372	310	266	233		
		20.0	3.60	864	720	617	540	480	432	360	309	270		
D5	DC45	5.0	2.30	552	460	394	345	307	276	230	197	173		
		10.0	3.20	768	640	549	480	427	384	320	274	240		
		15.0	3.90	936	780	669	585	520	468	390	334	293		
		20.0	4.50	1080	900	771	675	600	540	450	386	338		

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.

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.