

DISC	CORE	DISC DIA. (INCH)	CAPACITY (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	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. See technical information (pages 179–202) for useful formulas and other technical information.

## RECOMMENDED PRESSURE RANGE



10–300 PSI

## MATERIALS AVAILABLE



STAINLESS STEEL



POLYMER



HARDENED STAINLESS STEEL



STAINLESS STEEL



BRASS



CERAMIC



NYLON

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

Ceramic	Hardened Stainless Steel	Stainless Steel	Polymer
D C E R - 2	D 2	D E - 2	D V P - 2

To order core, specify core number and material.

Ceramic	Hardened Stainless Steel	Brass
D C 1 3 - C E R	D C 1 3 - H S S	D C 1 3

Nylon  
D C 1 3 - N Y

Seal Gasket  
C P 1 8 9 9 9 - E P R

**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.