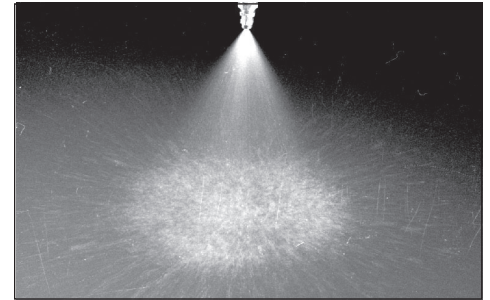
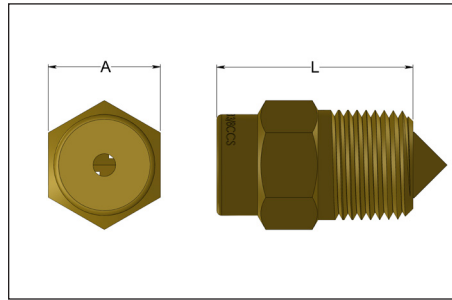
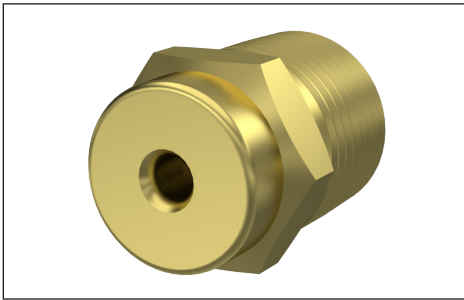




CCS SERIES SPRAY NOZZLES

FULL CONE • THREADED CONNECTION • ONE-PIECE



SPRAY CHARACTERISTICS:

Full cone spray pattern with a distribution that is heavier in the middle. Spray angle remains nearly constant at pressures between 20 and 80 p.s.i.

CONSTRUCTION:

CCS nozzles are machined from bar and consist of a one-piece body, plus a non-removable insert. Standard material is brass.

TYPICAL APPLICATIONS:

Suitable for temperature control applications, where the volume of sprayed coolant can be adjusted without significantly affecting spray coverage. This enables the user to maximize heat transfer efficiency while avoiding loss of coverage area. CCS nozzles feature an internal insert which are subject to thermal cycling.

- Continuous Casting and Billet Casting
- Rising and Cooling
- Heat Exchanger Cooling
- Chemical Processing

MODEL NUMBER	Dim. 'A' (inches)	Dim. 'L' (inches)
1/4CCS	9/16 HEX	15/16
3/8CCS	11/16 HEX	1 3/16

Model ID	Spray Angle @ 40 psi	Maximum Free Passage	Capacities at Various Pressures										
			15 psi	20 psi	25 psi	30 psi	40 psi	50 psi	60 psi	70 psi	80 psi	90 psi	100 psi
1/4CCS4917	49	0.091	1.04	1.20	1.34	1.47	1.70	1.90	2.08	2.25	2.40	2.55	2.69
3/8CCS4917		0.091	1.04	1.20	1.34	1.47	1.70	1.90	2.08	2.25	2.40	2.55	2.69
3/8CCS4922		0.091	1.35	1.56	1.74	1.91	2.20	2.46	2.69	2.91	3.11	3.3	3.5
3/8CCS4927		0.102	1.65	1.91	2.13	2.34	2.70	3.02	3.3	3.6	3.8	4.0	4.3
3/8CCS4931		0.114	1.90	2.19	2.45	2.68	3.10	3.5	3.8	4.1	4.4	4.6	4.9
1/4CCS5710	57	0.064	0.61	0.71	0.79	0.87	1.00	1.12	1.22	1.32	1.41	1.50	1.58
1/4CCS5713		0.081	0.80	0.92	1.03	1.13	1.30	1.45	1.59	1.72	1.84	1.95	2.06
1/4CCS5715		0.091	0.92	1.06	1.19	1.30	1.50	1.68	1.84	1.98	2.12	2.25	2.37
1/4CCS5718		0.091	1.10	1.27	1.42	1.56	1.80	2.01	2.20	2.38	2.55	2.70	2.85
3/8CCS5718		0.091	1.10	1.27	1.42	1.56	1.80	2.01	2.20	2.38	2.55	2.70	2.85
3/8CCS5726		0.091	1.59	1.84	2.06	2.25	2.60	2.91	3.2	3.4	3.7	3.9	4.1
3/8CCS5731		0.102	1.90	2.19	2.45	2.68	3.10	3.5	3.8	4.1	4.4	4.6	4.9
3/8CCS5744		0.104	2.69	3.11	3.5	3.8	4.4	4.9	5.4	5.8	6.2	6.6	7.0
1/4CCS6624	66	0.064	1.47	1.70	1.90	2.08	2.40	2.68	2.94	3.2	3.4	3.6	3.8
3/8CCS6624		0.091	1.47	1.70	1.90	2.08	2.40	2.68	2.94	3.2	3.4	3.6	3.8
1/4CCS6629		0.091	1.78	2.05	2.29	2.51	2.90	3.2	3.6	3.8	4.1	4.4	4.6

* TABLE CONTINUES ON FOLLOWING PAGE



Model ID	Spray Angle @ 40 psi	Maximum Free Passage	Capacities at Various Pressures										
			15 psi	20 psi	25 psi	30 psi	40 psi	50 psi	60 psi	70 psi	80 psi	90 psi	100 psi
3/8CCS6629	66	0.091	1.78	2.05	2.29	2.51	2.90	3.2	3.6	3.8	4.1	4.4	4.6
3/8CCS6633		0.091	2.02	2.33	2.61	2.86	3.3	3.7	4.0	4.4	4.7	5.0	5.2
3/8CCS6648		0.114	2.94	3.4	3.8	4.2	4.8	5.4	5.9	6.3	6.8	7.2	7.6
1/4CCS7622	76	0.091	1.35	1.56	1.74	1.91	2.20	2.46	2.69	2.91	3.11	3.3	3.5
1/4CCS7628		0.091	1.71	1.98	2.21	2.42	2.80	3.13	3.4	3.7	4.0	4.2	4.4
3/8CCS7628		0.091	1.71	1.98	2.21	2.42	2.80	3.13	3.4	3.7	4.0	4.2	4.4
3/8CCS7638		0.091	2.33	2.69	3.00	3.3	3.8	4.2	4.7	5.0	5.4	5.7	6.0
3/8CCS7664		0.114	3.9	4.5	5.1	5.5	6.4	7.2	7.8	8.5	9.1	9.6	10.1
1/4CCS8618	86	0.091	1.10	1.27	1.42	1.56	1.80	2.01	2.20	2.38	2.55	2.70	2.85
1/4CCS8633		0.091	2.02	2.33	2.61	2.86	3.3	3.7	4.0	4.4	4.7	5.0	5.2
3/8CCS8633		0.091	2.02	2.33	2.61	2.86	3.3	3.7	4.0	4.4	4.7	5.0	5.2
3/8CCS8642		0.091	2.57	2.97	3.3	3.6	4.2	4.7	5.1	5.6	5.9	6.3	6.6
3/8CCS8649		0.102	3.00	3.5	3.9	4.2	4.9	5.5	6.0	6.5	6.9	7.4	7.7
3/8CCS8667		0.102	1.71	1.98	2.21	2.42	2.80	3.13	3.4	3.7	4.0	4.2	4.4