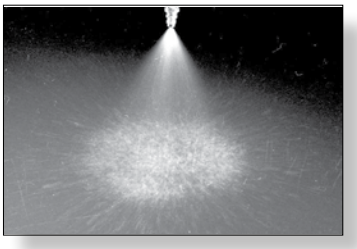
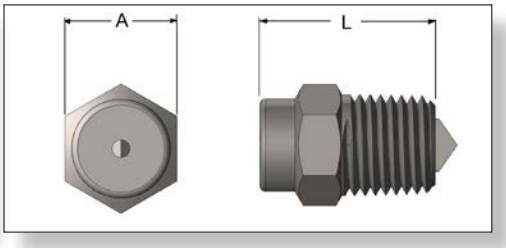
CCS SERIES NOZZLE SPECIFICATIONS





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 will not come loose in environments which are subject to thermal cycling.

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

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

Spray Angle @ 40 psi	Model	Max. Free Passage (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)										
			15 psi	20 psi	25 psi	30 psi	40 psi	50 psi	60 psi	70 psi	80 psi	90 psi	100 psi
49	1/4CCS4917	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
57	1/4CCS5710	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
66	1/4CCS6624	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
	3/8CCS6629	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
76	1/4CCS7622	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
86	1/4CCS8618	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