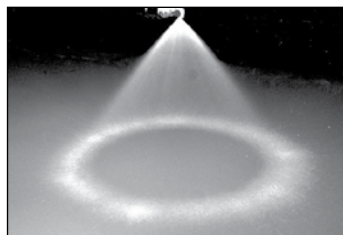




C SERIES NOZZLE SPECIFICATIONS



SPRAY CHARACTERISTICS:

C series hydraulic atomizing nozzles are designed and precision machined to provide a very fine hollow-cone spray using only the liquid pressure for atomizing.

CONSTRUCTION:

Several different styles of nozzle are available in brass, 303 and 316 stainless steel. The orifice insert, core, and strainer are supplied in 316 stainless steel standard.

TYPICAL APPLICATIONS:

- Humidification/Moisture Addition
- Evaporative Cooling
- Steam De-superheating

SPECIAL FEATURES:

- Very fine hollow-cone spray
- Easy disassembly/assembly and cleaning
- Wide range of style and sizes

NOZZLE TYPE	"L"	BODY	CAP
1/4 FCL	1 ¹⁵ / ₁₆	13/16 HEX	11/16 HEX
1/4 CL	2 ¹ / ₈	13/16 HEX	11/16 HEX
1/4 FCM.5L	1 ⁷ / ₈	13/16 HEX	5/8 HEX
1/4 CM.5L	2 ¹ / ₃₂	13/16 HEX	5/8 HEX
1/4 FC	1 ¹⁵ / ₁₆	11/16 HEX	11/16 HEX
1/4 C	1 ¹³ / ₃₂	11/16 HEX	11/16 HEX
1/4 CC	2 ⁷ / ₃₂	9/16 HEX	N/A



CL STYLE

Two-piece body with removable cap, orifice, insert, core, core retainer and strainer.



C STYLE

Two piece body with removable cap, orifice insert, core and core retainer.



CM.5L STYLE

1/2" NPT male wall mount body with removable cap, orifice insert, core, core retainer and strainer.



CC STYLE*

One-piece body with removable orifice insert, core and core retainer. (Add "L" for optional external strainer.)

Standard spray angle is 80° @ 40 p.s.i. (80° @ 100 p.s.i. for Models C4.7 and smaller)

Model							CAPACITY AT VARIOUS PRESSURES (USGPH)								
'CL' Style		'CM.5L' Wallmount Style		'C' Style		'CC' Style	30	40	80	100	200	300	500	700	1000
Female	Male	Female	Male	Female	Male	Male	psi	psi	psi	psi	psi	psi	psi	psi	psi
1/4 FC1.9L	1/4 C1.9L	1/4 FC1.9M.5L	1/4 C1.9M.5L	1/4 FC1.9	1/4 C1.9	1/4 CC1.9	0.51	0.59	0.83	0.93	1.32	1.61	2.08	2.47	2.95
1/4 FC2.4L	1/4 C2.4L	1/4 FC2.4M.5L	1/4 C2.4M.5L	1/4 FC2.4	1/4 C2.4	1/4 CC2.4	0.64	0.74	1.05	1.18	1.67	2.04	2.63	3.12	3.7
1/4 FC3.0L	1/4 C3.0L	1/4 FC3.0M.5L	1/4 C3.0M.5L	1/4 FC3.0	1/4 C3.0	1/4 CC3.0	0.81	0.93	1.32	1.47	2.08	2.55	3.3	3.9	4.7
1/4 FC3.8L	1/4 C3.8L	1/4 FC3.8M.5L	1/4 C3.8M.5L	1/4 FC3.8	1/4 C3.8	1/4 CC3.8	1.02	1.18	1.67	1.86	2.64	3.2	4.2	4.9	5.9
1/4 FC4.7L	1/4 C4.7L	1/4 FC4.7M.5L	1/4 C4.7M.5L	1/4 FC4.7	1/4 C4.7	1/4 CC4.7	1.26	1.46	2.06	2.31	3.3	4.0	5.2	6.1	7.3
1/4 FC5.9L	1/4 C5.9L	1/4 FC5.9M.5L	1/4 C5.9M.5L	1/4 FC5.9	1/4 C5.9	1/4 CC5.9	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4 FC7.9L	1/4 C7.9L	1/4 FC7.9M.5L	1/4 C7.9M.5L	1/4 FC7.9	1/4 C7.9	1/4 CC7.9	2.12	2.45	3.5	3.9	5.5	6.7	8.7	10.3	12.3
1/4 FC9.2L	1/4 C9.2L	1/4 FC9.2M.5L	1/4 C9.2M.5L	1/4 FC9.2	1/4 C9.2	1/4 CC9.2	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4 FC12L	1/4 C12L	1/4 FC12M.5L	1/4 C12M.5L	1/4 FC12	1/4 C12	1/4 CC12	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4 FC14L	1/4 C14L	1/4 FC14M.5L	1/4 C14M.5L	1/4 FC14	1/4 C14	1/4 CC14	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4 FC18L	1/4 C18L	1/4 FC18M.5L	1/4 C18M.5L	1/4 FC18	1/4 C18	1/4 CC18	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4 FC23L	1/4 C23L	1/4 FC23M.5L	1/4 C23M.5L	1/4 FC23	1/4 C23	1/4 CC23	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4 FC28L	1/4 C28L	1/4 FC28M.5L	1/4 C28M.5L	1/4 FC28	1/4 C28	1/4 CC28	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43
1/4 FC35L	1/4 C35L	1/4 FC35M.5L	1/4 C35M.5L	1/4 FC35	1/4 C35	1/4 CC35	9.4	10.9	15.4	17.2	24.3	29.7	38	45	54
1/4 FC44L	1/4 C44L	1/4 FC44M.5L	1/4 C44M.5L	1/4 FC44	1/4 C44	1/4 CC44	11.8	13.7	19.3	21.6	30.5	37	48	57	68
1/4 FC55L	1/4 C55L	1/4 FC55M.5L	1/4 C55M.5L	1/4 FC55	1/4 C55	1/4 CC55	14.8	17.1	24.1	27.0	38	47	60	71	85
1/4 FC69L	1/4 C69L	1/4 FC69M.5L	1/4 C69M.5L	1/4 FC69	1/4 C69	1/4 CC69	18.5	21.4	30.3	34	48	59	76	90	107
1/4 FC86L	1/4 C86L	1/4 FC86M.5L	1/4 C86M.5L	1/4 FC86	1/4 C86	1/4 CC86	23.1	26.7	38	42	60	73	94	112	133