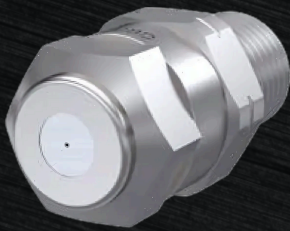




C Series

From narrow to wide spray angles, BEX C Series hydraulic atomizing nozzles deliver consistent, fine hollow-cone patterns—easy to maintain and ready for any application.



C Series



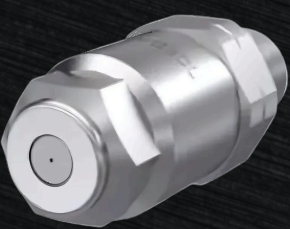
CW Series



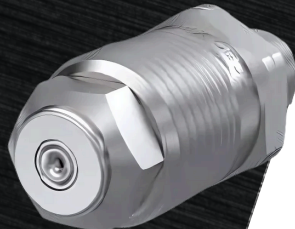
CL Series



CLW Series



CM.5L Series



CMW.5L
Series



CC Series



CCW Series

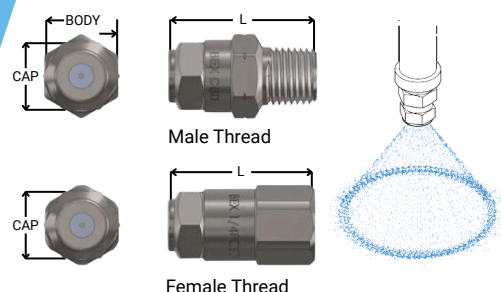


C Series

Reliable 80° spray performance with easy maintenance for fine, controlled coverage.



C Series



Spray Characteristics

The C series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. The standard spray angle of the C series nozzle is 80° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ FC	1	11/16 HEX	11/16 HEX
¼ C	1	11/16 HEX	11/16 HEX



Construction

Two piece body with removable cap and core. Bodies are available in a variety of materials. The cap and core are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

C Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC1.9	1/4C1.9	0.51	0.59	0.83	0.93	1.32	1.61	2.08	2.47	2.95
1/4FC2.4	1/4C2.4	0.64	0.74	1.05	1.18	1.67	2.04	2.63	3.12	3.7
1/4FC3.0	1/4C3.0	0.81	0.93	1.32	1.47	2.08	2.55	3.3	3.9	4.7
1/4FC3.8	1/4C3.8	1.02	1.18	1.67	1.86	2.64	3.2	4.2	4.9	5.9
1/4FC4.7	1/4C4.7	1.26	1.46	2.06	2.31	3.3	4.0	5.2	6.1	7.3
1/4FC5.9	1/4C5.9	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4	1/4C7.4	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2	1/4C9.2	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12	1/4C12	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14	1/4C14	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18	1/4C18	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23	1/4C23	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28	1/4C28	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43
1/4FC35	1/4C35	9.4	10.9	15.4	17.2	24.3	29.7	38	45	54
1/4FC44	1/4C44	11.8	13.7	19.3	21.6	30.5	37	48	57	68
1/4FC55	1/4C55	14.8	17.1	24.1	27.0	38	47	60	71	85
1/4FC69	1/4C69	18.5	21.4	30.3	34	48	59	76	90	107
1/4FC86	1/4C86	23.1	26.7	38	42	60	73	94	112	133

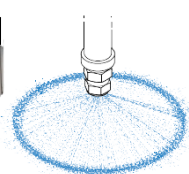
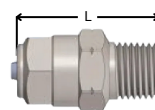


CW Series

Wide 150° spray angle for maximum coverage in tight or shallow spaces.



CW Series



Female Thread

Spray Characteristics

The CW series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern with a wide spray angle, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. Standard spray angle is 150° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ FCLW	1	11/16 HEX	11/16 HEX
¼ CW	1	11/16 HEX	11/16 HEX



Construction

Two piece body with removable cap and core. Bodies are available in a variety of materials. The cap and core are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CW Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC5.9W	1/4C5.9W	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4W	1/4C7.4W	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2W	1/4C9.2W	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12W	1/4C12W	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14W	1/4C14W	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18W	1/4C18W	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23W	1/4C23W	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28W	1/4C28W	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43

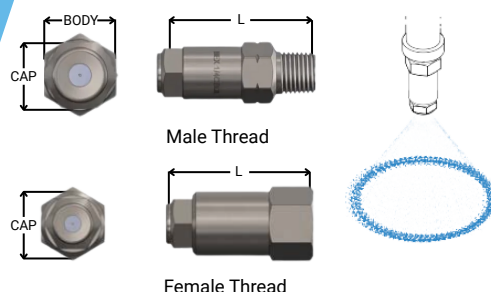


CL Series

Consistent 80° atomization, ideal for compact applications requiring precision.



CL Series



Spray Characteristics

The CL series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. The standard spray angle of the C series nozzle is 80° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ FCL	1 15/16	13/16 HEX	11/16 HEX
¼ CL	2 1/8	13/16 HEX	11/16 HEX



Construction

Two piece body with removable cap, core and strainer. Bodies are available in a variety of materials. The cap, core, and strainer are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CL Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC1.9L	1/4C1.9L	0.51	0.59	0.83	0.93	1.32	1.61	2.08	2.47	2.95
1/4FC2.4L	1/4C2.4L	0.64	0.74	1.05	1.18	1.67	2.04	2.63	3.12	3.7
1/4FC3.0L	1/4C3.0L	0.81	0.93	1.32	1.47	2.08	2.55	3.3	3.9	4.7
1/4FC3.8L	1/4C3.8L	1.02	1.18	1.67	1.86	2.64	3.2	4.2	4.9	5.9
1/4FC4.7L	1/4C4.7L	1.26	1.46	2.06	2.31	3.3	4.0	5.2	6.1	7.3
1/4FC5.9L	1/4C5.9L	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4L	1/4C7.4L	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2L	1/4C9.2L	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12L	1/4C12L	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14L	1/4C14L	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18L	1/4C18L	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23L	1/4C23L	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28L	1/4C28L	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43
1/4FC35L	1/4C35L	9.4	10.9	15.4	17.2	24.3	29.7	38	45	54
1/4FC44L	1/4C44L	11.8	13.7	19.3	21.6	30.5	37	48	57	68
1/4FC55L	1/4C55L	14.8	17.1	24.1	27.0	38	47	60	71	85
1/4FC69L	1/4C69L	18.5	21.4	30.3	34	48	59	76	90	107
1/4FC86L	1/4C86L	23.1	26.7	38	42	60	73	94	112	133

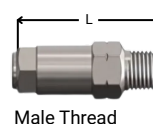


CWL Series

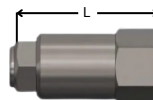
150° wide-angle spray for efficient coverage with quick disassembly and cleaning.



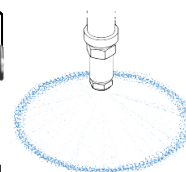
CWL Series



Male Thread



Female Thread



Spray Characteristics

The CWL series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern with a wider spray angle, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. Standard spray angle is 150° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ FCLW	1 15/16	13/16 HEX	11/16 HEX
¼ CW	1 1/8	13/16 HEX	11/16 HEX



Construction

Two piece body with removable cap, core and strainer. Bodies are available in a variety of materials. The cap, core, and strainer are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CWL Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC5.9WL	1/4C5.9WL	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4WL	1/4C7.4WL	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2WL	1/4C9.2WL	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12WL	1/4C12WL	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14WL	1/4C14WL	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18WL	1/4C18WL	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23WL	1/4C23WL	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28WL	1/4C28WL	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43

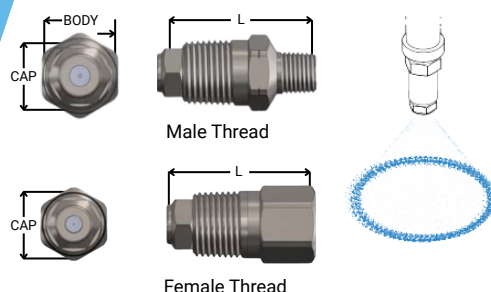


CM.5L Series

Compact, 80° fine-spray solution designed for smaller-scale or high-precision operations.



CL Series



Spray Characteristics

The CM.5L series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. The standard spray angle of the C series nozzle is 80° at 40 PSI.

Model Number	"L"	BODY	CAP
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



Construction

1/2" NPT male wall mount body with removable cap, core and strainer. Bodies are available in a variety of materials. The cap, core, and strainer are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CM.5L Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC1.9M.5L	1/4C1.9M.5L	0.51	0.59	0.83	0.93	1.32	1.61	2.08	2.47	2.95
1/4FC2.4M.5L	1/4C2.4M.5L	0.64	0.74	1.05	1.18	1.67	2.04	2.63	3.12	3.7
1/4FC3.0M.5L	1/4C3.0M.5L	0.81	0.93	1.32	1.47	2.08	2.55	3.3	3.9	4.7
1/4FC3.8M.5L	1/4C3.8M.5L	1.02	1.18	1.67	1.86	2.64	3.2	4.2	4.9	5.9
1/4FC4.7M.5L	1/4C4.7M.5L	1.26	1.46	2.06	2.31	3.3	4.0	5.2	6.1	7.3
1/4FC5.9M.5L	1/4C5.9M.5L	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4M.5L	1/4C7.4M.5L	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2M.5L	1/4C9.2M.5L	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12M.5L	1/4C12M.5L	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14M.5L	1/4C14M.5L	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18M.5L	1/4C18M.5L	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23M.5L	1/4C23M.5L	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28M.5L	1/4C28M.5L	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43
1/4FC35M.5L	1/4C35M.5L	9.4	10.9	15.4	17.2	24.3	29.7	38	45	54
1/4FC44M.5L	1/4C44M.5L	11.8	13.7	19.3	21.6	30.5	37	48	57	68
1/4FC55M.5L	1/4C55M.5L	14.8	17.1	24.1	27.0	38	47	60	71	85
1/4FC69M.5L	1/4C69M.5L	18.5	21.4	30.3	34	48	59	76	90	107
1/4FC86M.5L	1/4C86M.5L	23.1	26.7	38	42	60	73	94	112	133

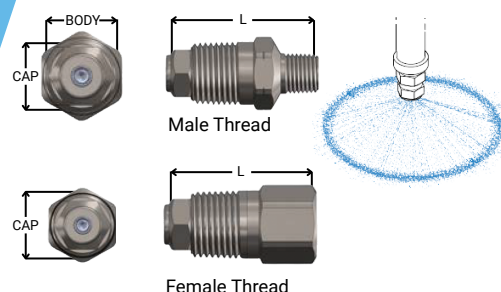


CWM.5L Series

Miniature wide-angle atomization with a 150° spray—small size, big performance.



CWM.5L Series



Spray Characteristics

CWM.5L series wide angle hydraulic atomizing nozzles are precision machined to provide a very fine wide angle hollow-cone spray using only the liquid pressure for atomizing. Easy disassembly/ assembly and cleaning. Standard spray angle is 150° at 40 PSI.

Model Number	"L"	BODY	CAP
1/4 FCWM.5L	1 7/8	13/16 HEX	5/8 HEX
1/4 CMW.5L	2 1/32	13/16 HEX	5/8 HEX



Construction

1/2" NPT male wall mount body with removable cap, core and strainer. Bodies are available in a variety of materials. The cap, core, and strainer are supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CWM.5L Series



Model #		Capacities at Various Pressures USGPH								
Female	Male	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4FC5.9WM.5L	1/4C5.9WM.5L	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4FC7.4WM.5L	1/4C7.4WM.5L	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4FC9.2WM.5L	1/4C9.2WM.5L	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4FC12WM.5L	1/4C12WM.5L	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4FC14WM.5L	1/4C14WM.5L	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4FC18WM.5L	1/4C18WM.5L	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4FC23WM.5L	1/4C23WM.5L	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4FC28WM.5L	1/4C28WM.5L	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43

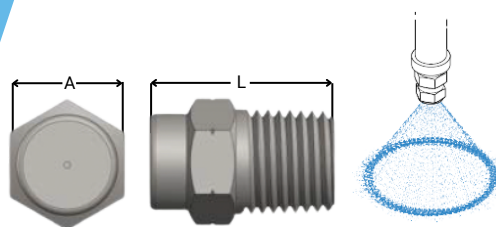


CC Series

Durable 80° spray design for continuous, high-precision atomizing in demanding environments.



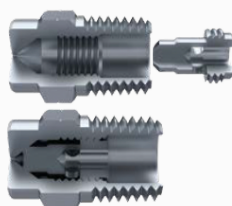
CC Series



Spray Characteristics

The CC series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. The standard spray angle of the C series nozzle is 80° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ CC	27/32	9/16 HEX	N/A



Construction

One-piece body with core. Bodies are available in a variety of materials. The core is supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CC Series



Model #	Capacities at Various Pressures USGPH								
	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4CC1.9	0.51	0.59	0.83	0.93	1.32	1.61	2.08	2.47	2.95
1/4CC2.4	0.64	0.74	1.05	1.18	1.67	2.04	2.63	3.12	3.7
1/4CC3.0	0.81	0.93	1.32	1.47	2.08	2.55	3.3	3.9	4.7
1/4CC3.8	1.02	1.18	1.67	1.86	2.64	3.2	4.2	4.9	5.9
1/4CC4.7	1.26	1.46	2.06	2.31	3.3	4.0	5.2	6.1	7.3
1/4CC5.9	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4CC7.4	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4CC9.2	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4CC12	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4CC14	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4CC18	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4CC23	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4CC28	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43
1/4CC35	9.4	10.9	15.4	17.2	24.3	29.7	38	45	54
1/4CC44	11.8	13.7	19.3	21.6	30.5	37	48	57	68
1/4CC55	14.8	17.1	24.1	27.0	38	47	60	71	85
1/4CC69	18.5	21.4	30.3	34	48	59	76	90	107
1/4CC86	23.1	26.7	38	42	60	73	94	112	133

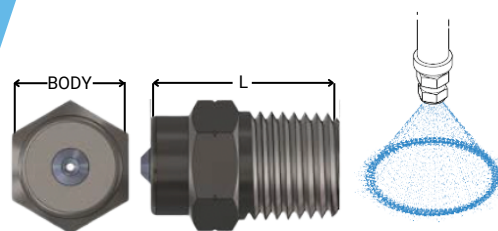


CCW Series

Wider 150° spray angle with robust construction for consistent, fine atomization.



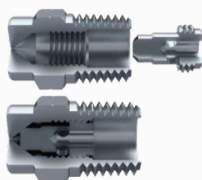
CCW Series



Spray Characteristics

The CCW series hydraulic atomizing nozzles are meticulously crafted to generate a very fine hollow-cone spray pattern with a wider spray angle, solely utilizing the liquid pressure for atomization. These nozzles are easy to disassemble, assemble, and clean. The standard spray angle of the C series nozzle is 150° at 40 PSI.

Model Number	"L"	BODY	CAP
¼ CCW	27/32	9/16 HEX	N/A



Construction

One-piece body with core. Bodies are available in a variety of materials. The core is supplied in 316 stainless steel standard.

Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

Typical Applications

- ✓ Humidifications/Moisture Addition
- ✓ Evaporative Cooling
- ✓ Steam De-superheating

CCW Series



Model #	Capacities at Various Pressures USGPH								
	30 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	700 psi	1000 psi
1/4CC5.9W	1.59	1.83	2.59	2.89	4.1	5.0	6.5	7.7	9.2
1/4CC7.4W	1.99	2.30	3.2	3.6	5.1	6.3	8.1	9.6	11.5
1/4CC9.2W	2.47	2.85	4.0	4.5	6.4	7.8	10.1	11.9	14.3
1/4C12W	3.2	3.7	5.3	5.9	8.3	10.2	13.2	15.6	18.6
1/4C14W	3.8	4.3	6.1	6.9	9.7	11.9	15.4	18.2	21.7
1/4C18W	4.8	5.6	7.9	8.8	12.5	15.3	19.7	23.4	27.9
1/4CC23W	6.2	7.1	10.1	11.3	16.0	19.5	25.2	29.9	36
1/4CC28W	7.5	8.7	12.3	13.7	19.4	23.8	30.7	36	43