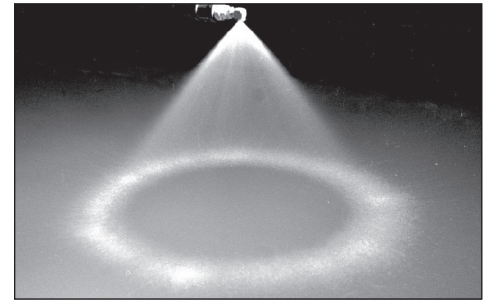
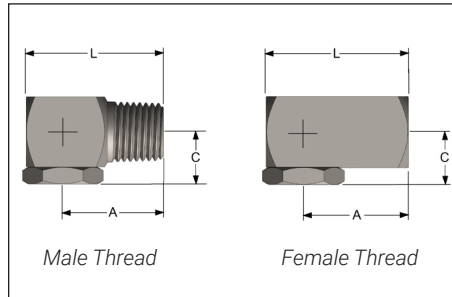
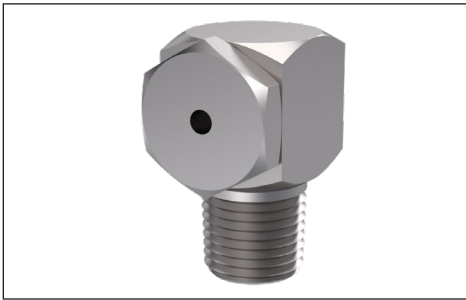




H SERIES SPRAY NOZZLES

HOLLOW CONE • THREADED CONNECTION

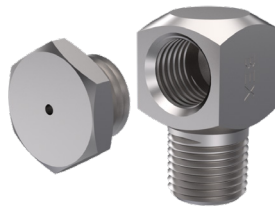


SPRAY CHARACTERISTICS:

A hollow cone spray pattern, emerging at right angles to the centerline of the pipe connection. The standard included angle of the spray cone is 70° at 10 p.s.i. At low pressures hollow cone nozzles produce medium size, uniform droplets. At higher pressures finer droplets are produced.

CONSTRUCTION:

The models listed are machined from bar stock, and are two piece construction.



TYPICAL APPLICATIONS:

- Air and Gas Washing
- Aerating
- Rinsing
- Humidifying
- Industrial Washers
- Spray Ponds
- Cooling Tunnels
- Roof Cooling
- Degreasing
- Dust Suppression
- Metal Treatment

Female Size	Dim 'A'	Dim 'C'	Dim 'L'	Male Size	Dim 'A'	Dim 'C'	Dim 'L'
1/8FH	11/16	3/8	1	1/8H	11/16	3/8	1
1/4FH	15/16	1/2	1 1/4	1/4H	15/16	1/2	1 1/4
3/8FH	1	9/16	1 3/8	3/8H	1	9/16	1 1/2
1/2FH	1 3/8	3/4	1 7/8	1/2H	1 3/8	3/4	1 7/8
3/4FH	1 9/16	7/8	2 1/4	3/4H	1 5/8	7/8	2 1/4

All dimensions are in inches

Model		Max. Free Passage	Capacities at Various Pressures											Spray Angle			
Female	Male		3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	10 psi	20 psi	40 psi	80 psi
1/8FH0.5	1/8H0.5	0.028	0.027	0.035	0.042	0.050	0.061	0.071	0.087	0.100	0.122	0.141	0.158	--	--	40	45
1/8FH1	1/8H1	0.053	0.055	0.071	0.084	0.100	0.122	0.141	0.173	0.200	0.245	0.283	0.32	--	60	74	75
1/8FH2	1/8H2	0.086	0.110	0.141	0.167	0.200	0.245	0.283	0.35	0.40	0.49	0.57	0.63	70	65	72	76
1/8FH3	1/8H3	0.098	0.164	0.212	0.251	0.300	0.37	0.42	0.52	0.60	0.73	0.85	0.95	65	76	80	83
1/8FH5	1/8H5	0.128	0.274	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	70	77	80	81
1/8FH7.5	1/8H7.5	0.153	0.41	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.84	2.12	2.37	70	86	94	94
1/8FH10	1/8H10	0.171	0.55	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	70	71	73	75
1/4FH1	1/4H1	0.060	0.055	0.071	0.084	0.100	0.122	0.141	0.173	0.200	0.245	0.283	0.32	--	61	74	69
1/4FH2	1/4H2	0.085	0.110	0.141	0.167	0.200	0.245	0.283	0.35	0.40	0.49	0.57	0.63	70	75	83	85
1/4FH3	1/4H3	0.111	0.164	0.212	0.251	0.300	0.37	0.42	0.52	0.60	0.73	0.85	0.95	70	70	72	74
1/4FH5	1/4H5	0.136	0.274	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	70	77	80	83
1/4FH7.5	1/4H7.5	0.166	0.41	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.84	2.12	2.37	70	70	74	75
1/4FH10	1/4H10	0.170	0.55	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	70	74	76	80
1/4FH12.5	1/4H12.5	0.177	0.68	0.88	1.05	1.25	1.53	1.77	2.17	2.50	3.06	3.5	4.0	70	82	83	83
1/4FH15	1/4H15	0.213	0.82	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.7	4.2	4.7	70	75	75	75

* TABLE CONTINUES ON FOLLOWING PAGE



H SPRAY NOZZLE SPECIFICATIONS
HOLLOW CONE • THREADED CONNECTION

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Model		Max. Free Passage	Capacities at Various Pressures												Spray Angle			
Female	Male		3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	10 psi	20 psi	40 psi	80 psi	
3/8FH5	3/8H5	0.136	0.274	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	70	74	76	76	
3/8FH7.5	3/8H7.5	0.164	0.41	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.84	2.12	2.37	70	74	78	82	
3/8FH10	3/8H10	0.194	0.55	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	70	78	80	81	
3/8FH12.5	3/8H12.5	0.205	0.68	0.88	1.05	1.25	1.53	1.77	2.17	2.50	3.06	3.5	4.0	70	80	82	84	
3/8FH15	3/8H15	0.232	0.82	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.7	4.2	4.7	70	73	75	75	
3/8FH20	3/8H20	0.250	1.10	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.9	5.7	6.3	70	73	75	75	
3/8FH25	3/8H25	0.279	1.37	1.77	2.09	2.50	3.06	3.5	4.3	5.0	6.1	7.1	7.9	70	72	73	73	
3/8FH30	3/8H30	0.292	1.64	2.12	2.51	3.00	3.7	4.2	5.2	6.0	7.3	8.5	9.5	70	70	73	72	
1/2FH25	1/2H25	0.295	1.37	1.77	2.09	2.50	3.06	3.5	4.3	5.0	6.1	7.1	7.9	70	75	76	76	
1/2FH30	1/2H30	0.329	1.64	2.12	2.51	3.00	3.7	4.2	5.2	6.0	7.3	8.5	9.5	70	78	80	81	
1/2FH40	1/2H40	0.369	2.19	2.83	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	70	75	75	75	
1/2FH50	1/2H50	0.393	2.74	3.5	4.2	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	70	70	71	73	
1/2FH60	1/2H60	0.421	3.3	4.2	5.0	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	70	70	71	71	
3/4FH40	3/4H40	0.368	2.19	2.83	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	70	71	76	79	
3/4FH50	3/4H50	0.421	2.74	3.5	4.2	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	70	73	74	74	
3/4FH60	3/4H60	0.438	3.3	4.2	5.0	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	70	75	78	80	
3/4FH70	3/4H70	0.469	3.8	4.9	5.9	7.0	8.6	9.9	12.1	14.0	17.1	19.8	22.1	70	74	76	76	
3/4FH80	3/4H80	0.484	4.4	5.7	6.7	8.0	9.8	11.3	13.9	16.0	19.6	22.6	25.3	70	73	75	76	
3/4FH90	3/4H90	0.500	4.9	6.4	7.5	9.0	11.0	12.7	15.6	18.0	22.0	25.5	28.5	70	70	71	73	
3/4FH100	3/4H100	0.507	5.5	7.1	8.4	10.0	12.2	14.1	17.3	20.0	24.5	28.3	32	70	73	76	78	
3/4FH110	3/4H110	0.575	6.0	7.8	9.2	11.0	13.5	15.6	19.1	22.0	26.9	31.1	35	70	72	75	72	
3/4FH120	3/4H120	0.568	6.6	8.5	10.0	12.0	14.7	17.0	20.8	24.0	29.4	34	38	70	70	71	71	

