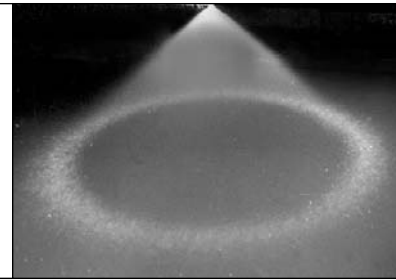
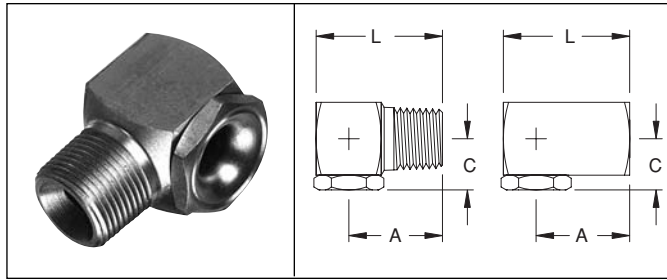


Wide angle hollow cone spray nozzles

HW SERIES

DIMENSIONS

MALE MODEL (BSPT)	Dim. A (mm)	Dim. L (mm)	Dim. C (mm)	FEMALE MODEL (BSPT)	Dim. A (mm)	Dim. L (mm)	Dim. C (mm)
1/8HW	18	25	10	1/8FHW	18	25	10
1/4HW	24	25	13	1/4FHW	24	25	13
3/8HW	25	35	14	3/8FHW	25	35	14
1/2HW	35	48	19	1/2FHW	35	48	19
3/4HW	40	57	22	3/4FHW	40	57	22



TYPICAL APPLICATIONS:

- Water Cooling
- Roof Cooling
- Air Cooling
- Air Washing

SPRAY CHARACTERISTICS:

A hollow cone spray pattern, similar to the BEX H series, but with wider spray angles. The included angle of the spray cone is 120° at 0.7 bar.

CONSTRUCTION:

The models listed are machined from bar stock, and are two piece construction. Standard materials are brass, 303 stainless steel and 316 stainless steel. Some models are also available in other materials.

MODEL NUMBER		PIPE SIZE BSPT	MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												SPRAY ANGLE @			
FEMALE	MALE			0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	8 bar	0.7 bar	1.5 bar	3 bar	6 bar	
1/8FH1W	1/8H1W	1/8	1.40	--	--	--	0.46	0.56	0.64	0.79	0.91	1.02	1.12	1.29	--	115°	107°	95°	
1/8FH2W	1/8H2W	1/8	1.96	--	0.64	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.23	2.58	120°	117°	105°	97°	
1/8FH3W	1/8H3W	1/8	2.36	--	0.97	1.14	1.37	1.67	1.93	2.37	2.73	3.06	3.3	3.9	120°	116°	109°	92°	
1/8FH5W	1/8H5W	1/8	2.77	--	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	120°	116°	107°	90°	
1/4FH1W	1/4H1W	1/4	1.40	--	0.32	0.38	0.46	0.56	0.64	0.79	0.91	1.02	1.12	1.29	120°	110°	102°	90°	
1/4FH2W	1/4H2W	1/4	1.96	--	0.64	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.23	2.58	120°	110°	105°	92°	
1/4FH3W	1/4H3W	1/4	2.36	--	0.97	1.14	1.37	1.67	1.93	2.37	2.73	3.06	3.3	3.9	120°	114°	104°	90°	
1/4FH5W	1/4H5W	1/4	2.77	--	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	120°	113°	107°	98°	
1/4FH7.5W	1/4H7.5W	1/4	4.01	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.7	120°	115°	110°	92°	
1/4FH10W	1/4H10W	1/4	4.32	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	120°	115°	110°	93°	
1/4FH12.5W	1/4H12.5W	1/4	4.78	3.12	4.0	4.8	5.7	7.0	8.1	9.9	11.4	12.7	14.0	16.1	120°	118°	110°	94°	
1/4FH15W	1/4H15W	1/4	5.11	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	19.3	120°	115°	108°	92°	
3/8FH5W	3/8H5W	3/8	2.77	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	120°	117°	107°	99°	
3/8FH7.5W	3/8H7.5W	3/8	4.01	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.7	120°	113°	110°	93°	
3/8FH10W	3/8H10W	3/8	4.32	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	120°	115°	110°	93°	
3/8FH12.5W	3/8H12.5W	3/8	4.78	3.12	4.0	4.8	5.7	7.0	8.1	9.9	11.4	12.7	14.0	16.1	120°	115°	108°	94°	
3/8FH15W	3/8H15W	3/8	5.11	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	19.3	120°	110°	105°	90°	
3/8FH20W	3/8H20W	3/8	5.94	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20.4	22.3	25.8	120°	118°	116°	110°	
3/8FH25W	3/8H25W	3/8	6.73	6.2	8.1	9.5	11.4	14.0	16.1	19.7	22.8	25.5	27.9	32	120°	117°	115°	110°	
3/8FH30W	3/8H30W	3/8	7.11	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	30.6	33	39	120°	115°	110°	102°	
1/2FH50W	1/2H50W	1/2	9.09	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	64	120°	115°	108°	103°	
3/4FH80W	3/4H80W	3/4	11.89	20.0	25.8	30.5	36	45	52	63	73	82	89	103	120°	117°	110°	103°	

HOLLOW CONE SPRAY



Hollow cone phosphating nozzles

PH SERIES

SPRAY CHARACTERISTICS:

A hollow cone spray pattern for phosphating applications. This large droplet, low impingement type of spray results in a tighter and more consistent phosphate crystalline structure.

CONSTRUCTION:

Two piece construction. Available in 303 stainless steel and 316 stainless steel.



MODEL NUMBER	PIPE SIZE BSPT	ORIFICE DIAMETER (mm)		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												SPRAY ANGLE @		
		BODY	CAP	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	0.7 bar	1 bar	2 bar		
3/8PH23	3/8	5.59	7.92	5.7	7.4	8.8	10.5	12.8	14.8	18.2	21.0	23.4	25.7	45°	53°	60°		
3/8PH28	3/8	5.87	7.92	7.0	9.0	10.7	12.8	15.6	18.0	22.1	25.5	28.5	31	40°	43°	48°		
3/8PH51	3/8	8.74	9.53	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	40°	50°	50°		
3/8PH53	3/8	9.53	9.53	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	70°	70°	70°		