



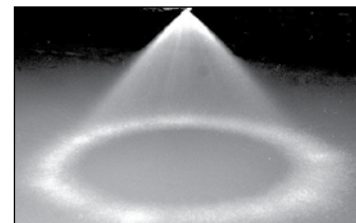
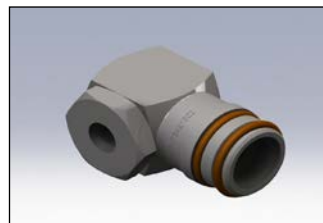
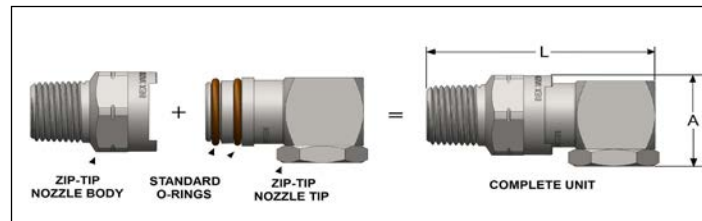
ZH SPRAY NOZZLE SPECIFICATIONS



ZIP-TIP NOZZLE INSTALLATION & REMOVAL

- NO TOOLS REQUIRED for ZIP-TIP nozzle tip installation or removal
- POSITIVE ALIGNMENT of spray pattern
- "Light-lock" feature allows for easy removal
- Seals located on and removed with nozzle tip for easy flushing

NOZZLE NPT PIPE SIZE	Length L (in)	Dim. A (in)
1/8"ZH	2.11	1.48
1/4"ZH	2.21	1.60
3/8"ZH	2.24	1.65
1/2"ZH	2.31	1.80
1/2"ZLH	2.96	1.71
3/4"ZLH	3.04	1.86



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 tip models listed are machined from bar stock and are one piece construction. Standard materials are brass, 303 stainless steel and 316 stainless steel. All bodies are available in either NPT or BSPT threads.

TYPICAL APPLICATIONS:

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

Model		Max. Free Passage (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)											SPRAY ANGLE @ (degrees)			
ZH Model	ZLH Model		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
ZH0.5		0.028	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.16	--	--	40	45
ZH1		0.060	0.06	0.07	0.08	0.10	0.12	0.14	0.17	0.20	0.25	0.28	0.32	--	61	74	69
ZH2		0.085	0.11	0.14	0.17	0.20	0.25	0.28	0.35	0.40	0.49	0.57	0.63	70	75	83	85
ZH3		0.111	0.16	0.21	0.25	0.30	0.37	0.42	0.52	0.60	0.73	0.85	0.95	70	70	72	74
ZH5		0.136	0.27	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	70	77	80	83
ZH7.5		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
ZH10		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
ZH12.5		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
ZH15		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	73	75	75
ZH20		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
ZH25		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
ZH30		0.292	16.4	21.2	25.1	30.0	37	42	52	60	73	85	95	70	70	73	72
	ZLH40	0.369	21.9	28.3	33	40	49	57	69	80	98	113	126	70	75	75	75
	ZLH50	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
	ZLH60	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
	ZLH70	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
	ZLH80	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
	ZLH90	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
	ZLH100	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
	ZLH110	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
	ZLH120	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