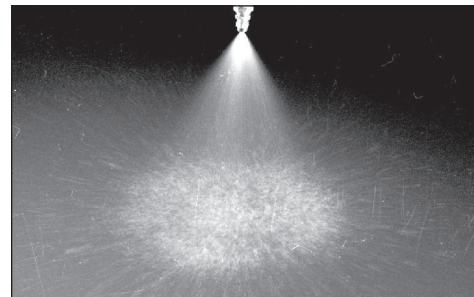
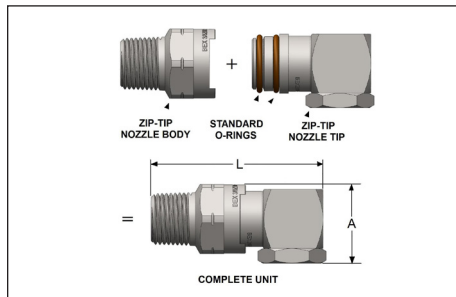




ZHNS SERIES SPRAY NOZZLE

FULL CONE SPRAY • ZIP-TIP CONNECTION



Spray characteristics not exactly as shown

SPRAY CHARACTERISTICS:

The HNS series vaneless full-cone nozzle projects a medium to coarse full-cone spray in a direction perpendicular to the nozzle inlet axis. The maximum free passage in this nozzle is substantially larger than most fullcone nozzles due to the 'vaneless' design. This nozzle is suitable for applications where a relatively coarse full-cone spray is required, and where standard nozzles are subject to plugging.

CONSTRUCTION:

Durable, one-piece, anti-clog design has no internal vane to clog or wear out. All models are machined from solid bar stock. Standard Materials include Brass, 303 Stainless Steel, and 316 Stainless Steel.

TYPICAL APPLICATIONS:

- Washing and Rinsing
- Gas Cooling
- Chemical Processing
- Cooling Sprays
- Humidification
- Sewage Treatment

Female Size	Dim 'A'	Dim 'C'	Dim 'L'	Male Size	Dim 'A'	Dim 'C'	Dim 'L'
1/4FHNS	0.94	0.50	1.2	1/4HNS	0.94	0.46	1.2
3/8FHNS	1.0	0.56	1.4	3/8HNS	1.1	0.56	1.5
1/2FHNS	1.4	0.75	1.9	1/2HNS	1.4	0.75	1.9

All dimensions are in inches

Model #	Capacity											Spray Angle		
	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	10 psi	20 psi	40 psi
ZHNS5	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	60°	75°	85°
ZHNS7	0.50	0.59	0.70	0.86	0.99	1.21	1.40	1.71	1.98	2.21	2.71	60°	76°	90°
ZHNS8	0.57	0.67	0.80	0.98	1.13	1.39	1.60	1.96	2.26	2.53	3.10	63°	76°	85°
ZHNS10	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	63°	79°	84°
ZHNS11	0.78	0.92	1.10	1.35	1.56	1.91	2.20	2.69	3.11	3.5	4.3	70°	83°	86°
ZHNS13	0.92	1.09	1.30	1.59	1.84	2.25	2.60	3.2	3.7	4.1	5.0	80°	81°	93°
ZHNS16	1.13	1.34	1.60	1.96	2.26	2.77	3.2	3.9	4.5	5.1	6.2	75°	82°	86°
ZHNS20	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	79°	80°	87°
ZHNS23	1.63	1.92	2.30	2.82	3.3	4.0	4.6	5.6	6.5	7.3	8.9	77°	70°	91°
ZHNS26	1.84	2.18	2.60	3.2	3.7	4.5	5.2	6.4	7.4	8.2	10.1	79°	86°	93°
ZHNS29	2.05	2.43	2.90	3.6	4.1	5.0	5.8	7.1	8.2	9.2	11.2	82°	90°	96°
ZHNS33	2.33	2.76	3.3	4.0	4.7	5.7	6.6	8.1	9.3	10.4	12.8	86°	90°	95°
ZLHNS32	2.26	2.68	3.2	3.9	4.5	5.5	6.4	7.8	9.1	10.1	12.4	87°	87°	94°
ZLHNS40	2.83	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	15.5	70°	90°	96°
ZLHNS48	3.4	4.0	4.8	5.9	6.8	8.3	9.6	11.8	13.6	15.2	18.6	84°	93°	96°
ZLHNS56	4.0	4.7	5.6	6.9	7.9	9.7	11.2	13.7	15.8	17.7	21.7	87°	94°	96°
ZLHNS64	4.5	5.4	6.4	7.8	9.1	11.1	12.8	15.7	18.1	20.2	24.8	91°	90°	94°
ZLHNS72	5.1	6.0	7.2	8.8	10.2	12.5	14.4	17.6	20.4	22.8	27.9	86°	93°	96°

