



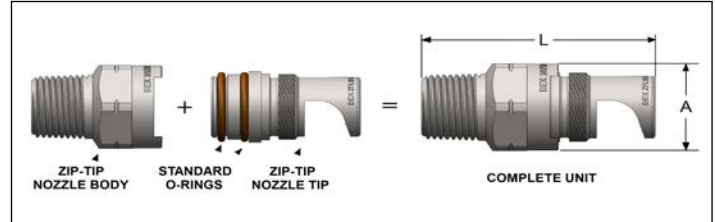
MODEL ZFL SPRAY NOZZLE



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" Z Body	1.08	0.875
1/4" Z Body	1.20	0.875
3/8" Z Body	1.20	0.875
1/2" Z Body	1.28	0.875
1/2" ZL Body	1.52	1.125
3/4" ZL Body	1.52	1.125



SPRAY CHARACTERISTICS:

A wide, flat fan-shaped spray with low impact. The spray is deflected 75° away from the centerline of the pipe connection, as shown.

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. Some models may also be available in other materials.

TYPICAL APPLICATIONS:

Wherever a low impact, wide angle spray is required.

- Rinsing and Cooling
- Dishwashing
- Fertilizer Spraying
- Metal Wash

Model	Orifice Diameter (in)	'C' (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)									SPRAY ANGLE					
			3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	3 psi	5 psi	7 psi	10 psi	20 psi	60 psi
ZFL.25	0.017	0.734	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.07	--	--	--	90	106	120
ZFL.50	0.024	0.734	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.10	0.12	--	--	65	78	99	120
ZFL.75	0.029	0.829	0.04	0.05	0.06	0.08	0.09	0.11	0.13	0.15	0.18	--	--	72	85	112	140
ZFL1	0.033	0.829	0.06	0.07	0.08	0.10	0.12	0.14	0.17	0.20	0.25	--	--	90	97	135	148
ZFL1.3	0.038	0.829	0.07	0.09	0.11	0.13	0.16	0.18	0.23	0.26	0.32	--	73	80	92	115	134
ZFL1.5	0.042	0.829	0.08	0.11	0.13	0.15	0.18	0.21	0.26	0.30	0.37	57	69	75	87	104	125
ZFL2	0.047	0.829	0.11	0.14	0.17	0.20	0.25	0.28	0.35	0.40	0.49	60	73	82	86	104	125
ZFL2.5	0.055	0.829	0.14	0.18	0.21	0.25	0.31	0.35	0.43	0.50	0.61	79	87	92	101	112	130
ZFL3	0.059	0.829	0.16	0.21	0.25	0.30	0.37	0.42	0.52	0.60	0.73	84	97	106	115	130	140
ZFL4	0.070	0.829	0.22	0.28	0.33	0.40	0.49	0.57	0.69	0.80	0.98	74	87	89	101	116	127
ZFL5	0.076	0.829	0.27	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	78	89	97	103	113	132
ZFL7.5	0.094	0.829	0.41	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.84	98	105	112	120	132	144
ZFL10	0.110	0.891	0.55	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	116	125	134	135	144	150
ZFL12	0.120	0.891	0.66	0.85	1.00	1.20	1.47	1.70	2.08	2.40	2.94	98	105	109	118	134	139
ZFL15	0.129	0.891	0.82	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.7	100	110	115	124	131	139
ZFL18	0.147	0.914	0.99	1.27	1.51	1.80	2.20	2.55	3.12	3.6	4.4	100	112	116	124	135	137
ZFL20	0.154	0.914	1.10	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.9	115	125	128	134	142	147
ZFL22	0.161	0.914	1.20	1.56	1.84	2.20	0.16	3.11	0.23	0.26	5.4	97	108	114	120	128	132
ZFL24	0.169	0.914	1.31	1.70	2.01	2.40	0.18	3.4	0.26	0.30	5.9	106	118	121	127	136	154
ZFL27	0.177	0.914	1.48	1.91	2.26	2.70	0.25	3.8	0.35	0.40	6.6	110	120	124	129	139	146
ZFL30	0.188	0.914	1.64	2.12	2.51	3.00	3.7	4.2	5.2	6.0	7.3	104	116	121	127	135	138
ZFL35	0.196	0.914	1.92	2.47	2.93	3.5	4.3	4.9	6.1	7.0	8.6	104	114	118	126	130	137
ZFL40	0.209	0.914	2.19	2.83	3.3	4.0	4.9	5.7	6.9	8.0	9.8	104	116	121	127	135	138
ZFL45	0.228	0.914	2.46	3.2	3.8	4.5	5.5	6.4	7.8	9.0	11.0	104	114	118	126	130	137
ZFL60	0.266	0.914	3.3	4.2	5.0	6.0	7.3	8.5	10.4	12.0	14.7	110	120	124	126	130	135