



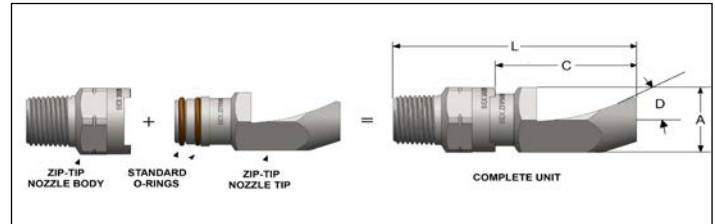
MODEL ZFP SPRAY NOZZLE

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



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



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

Spray Angle @ 40 psi	Model		Orifice Diameter (in)	Angle 'D' @ 40 psi	'C' (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)								SPRAY ANGLE @ (degrees)		
	ZFP	ZLFP				15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	15 psi	40 psi	100 psi
50	ZFP5001		0.024	40	0.726	0.06	0.07	0.09	0.10	0.12	0.14	0.16	0.19	30	50	58
	ZFP50025		0.038	41	0.750	0.15	0.18	0.22	0.25	0.31	0.35	0.40	0.48	29	50	57
	ZFP5005		0.053	41	1.038	0.31	0.35	0.43	0.50	0.61	0.71	0.79	0.97	30	50	59
	ZFP5010		0.075	52	0.961	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	32	50	59
	ZFP5025		0.118	40	1.038	1.53	1.77	2.17	2.50	3.06	3.5	4.0	4.8	41	50	58
	ZFP5040		0.149	45	1.474	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	42	50	59
	ZFP5060		0.183	40	1.763	3.7	4.2	5.2	6.0	7.3	8.5	9.5	11.6	41	50	52
		ZLFP50100	0.236	38	2.372	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	44	50	54
		ZLFP50125	0.266	34	2.547	7.7	8.8	10.8	12.5	15.3	17.7	19.8	24.2	39	50	57
		ZLFP50160	0.298	37	2.340	9.8	11.3	13.9	16.0	19.6	22.6	25.3	31.0	46	50	55
	ZLFP50200	0.328	33	2.547	12.2	14.1	17.3	20.0	24.5	28.3	32	39	47	50	55	
40	ZFP4040		0.149	34	1.762	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	29	40	48
	ZFP4050		0.167	32	1.912	3.06	3.5	4.3	5.0	6.1	7.1	7.9	9.7	30	40	47
	ZFP4060		0.183	31	2.516	3.7	4.2	5.2	6.0	7.3	8.5	9.5	11.6	31	40	50
	ZFP4070		0.197	28	2.503	4.3	4.9	6.1	7.0	8.6	9.9	11.1	13.6	33	40	50
		ZLFP4080	0.211	28	2.503	4.9	5.7	6.9	8.0	9.8	11.3	12.6	15.5	33	40	48
		ZLFP4090	0.228	28	2.503	5.5	6.4	7.8	9.0	11.0	12.7	14.2	17.4	34	40	46
		ZLFP40100	0.236	31	2.609	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	34	40	46
35	ZFP3504		0.047	36	0.832	0.25	0.28	0.35	0.40	0.49	0.57	0.63	0.77	20	35	41
	ZFP3510		0.075	37	1.118	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	18	35	38
	ZFP3520		0.105	30	1.342	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	25	35	42
	ZFP3525		0.117	29	1.717	1.53	1.77	2.17	2.50	3.06	3.5	4.0	4.8	24	35	41
	ZFP3530		0.128	28	1.776	1.84	2.12	2.60	3.00	3.7	4.2	4.7	5.8	25	35	42
	ZFP3540		0.149	31	2.078	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	29	35	42
	ZFP3550		0.167	26	2.172	3.06	3.5	4.3	5.0	6.1	7.1	7.9	9.7	30	35	40
	ZFP3560		0.183	29	2.538	3.7	4.2	5.2	6.0	7.3	8.5	9.5	11.6	27	35	40
		ZLFP3580	0.211	22	2.836	4.9	5.7	6.9	8.0	9.8	11.3	12.6	15.5	25	35	38
		ZLFP35100	0.221	24	3.046	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	25	35	40
	ZLFP35160	0.295	22	4.06	9.8	3.5	4.3	16.0	6.1	7.1	25.3	9.7	26	35	39	
	ZLFP35200	0.333	24	4.078	12.2	14.1	17.3	20.0	24.5	28.3	32	39	31	35	42	
25	ZFP2540		0.149	24	2.188	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	22	25	27
15	ZFP1510		0.075	22	1.690	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	--	15	21
	ZFP1520		0.105	16	2.04	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	--	15	18
	ZFP1530		0.129	20	2.608	1.84	2.12	2.60	3.00	3.7	4.2	4.7	5.8	8	15	24
	ZFP1540		0.149	13	3.422	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	8	15	20
	ZFP1550		0.167	14	3.297	3.06	3.5	4.3	5.0	6.1	7.1	7.9	9.7	8	15	22
	ZFP1560		0.183	14	4.486	3.7	4.2	5.2	6.0	7.3	8.5	9.5	11.6	11	15	19
		ZLFP1580	0.218	14	4.671	4.9	5.7	6.9	8.0	9.8	11.3	12.6	15.5	11	15	18
		ZFLP15100	0.236	15	5.129	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	11	15	17
		ZFLP15200	0.333	15	6.82	12.2	14.1	17.3	20.0	24.5	28.3	32	39	11	15	17
		ZLFP15300	0.408	15	6.859	18.4	21.2	26.0	30.0	37	42	47	58	12	15	18