

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. Please see page 40 for body styles and adapters.

TYPICAL APPLICATIONS:

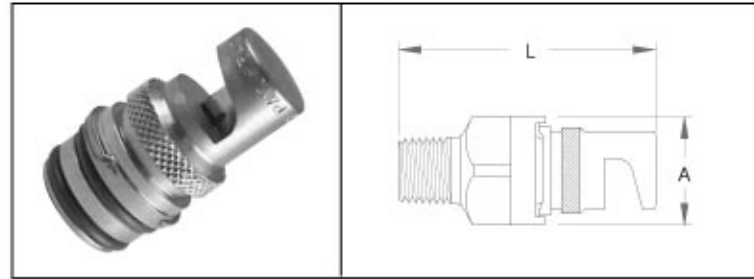
Wherever a low impact, wide angle spray is required.

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

ZFL MODEL	ZFLT MODEL	ORIFICE DIA. (mm)	DIMENSIONS		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)								SPRAY ANGLE @						
			"A"	"L"	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1.5 bar	4 bar
	ZFLT.25	0.43	11mm	15.8	--	--	--	0.10	0.11	0.14	0.16	0.20	0.23	--	--	--	90°	106°	120°
	ZFLT.50	0.61	11mm	15.8	--	--	0.16	0.19	0.23	0.28	0.32	0.39	0.46	--	--	65°	78°	99°	120°
	ZFLT.75	0.74	11mm	19.9	--	--	0.24	0.29	0.34	0.42	0.48	0.59	0.68	--	--	72°	85°	112°	140°
	ZFLT1	0.84	11mm	19.9	--	--	0.32	0.38	0.46	0.56	0.64	0.79	0.91	--	--	90°	97°	135°	148°
	ZFLT1.3	0.97	11mm	20.7	--	0.32	0.42	0.50	0.59	0.73	0.84	1.03	1.19	--	73°	80°	92°	115°	134°
	ZFLT1.5	1.07	11mm	20.7	0.31	0.37	0.48	0.57	0.68	0.84	0.97	1.18	1.37	57°	69°	75°	87°	104°	125°
	ZFLT2	1.19	11mm	20.7	0.41	0.50	0.64	0.76	0.91	1.12	1.29	1.58	1.82	60°	73°	82°	86°	104°	125°
	ZFLT2.5	1.40	11mm	20.7	0.52	0.63	0.82	0.97	1.16	1.42	1.64	2.01	2.32	79°	87°	92°	101°	112°	130°
	ZFLT3	1.50	11mm	20.7	0.61	0.75	0.97	1.14	1.37	1.67	1.93	2.37	2.73	84°	97°	106°	115°	130°	140°
ZFL4		1.78	11mm	23.8	0.82	1.00	1.29	1.53	1.82	2.23	2.58	3.2	3.6	74°	87°	89°	101°	116°	127°
ZFL5		1.93	11mm	23.8	1.02	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	78°	89°	97°	103°	113°	132°
ZFL7.5		2.39	11mm	23.8	1.53	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	98°	105°	112°	120°	132°	144°
ZFL10		2.79	11mm	23.8	2.04	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	116°	125°	135°	137°	144°	150°
ZFL12		3.05	14mm	23.8	2.45	3.00	3.9	4.6	5.5	6.7	7.7	9.5	10.9	98°	105°	109°	118°	134°	139°
ZFL15		3.28	14mm	26.7	3.06	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	100°	110°	115°	124°	131°	139°
ZFL18		3.73	14mm	26.7	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	100°	112°	116°	124°	135°	137°
ZFL20		3.91	14mm	26.7	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	115°	125°	128°	134°	142°	147°
ZFL22		4.09	14mm	33.4	4.5	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20.1	97°	108°	114°	120°	128°	132°
ZFL24		4.29	14mm	33.4	4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	21.9	106°	118°	121°	127°	136°	154°
ZFL27		4.50	14mm	33.4	5.5	6.7	8.7	10.3	12.3	15.1	17.4	21.3	24.6	110°	120°	124°	129°	139°	146°
ZFL30		4.78	17mm	33.4	6.1	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	104°	116°	121°	127°	135°	138°
ZFL35		4.98	17mm	33.4	7.1	8.7	11.3	13.3	16.0	19.5	22.6	27.6	32	104°	114°	118°	126°	130°	137°
ZFL40		5.31	17mm	33.4	8.2	10.0	12.9	15.3	18.2	22.3	25.8	32	36	104°	116°	121°	127°	135°	138°
ZFL45		5.79	17mm	33.4	9.2	11.2	14.5	17.2	20.5	25.1	29.0	36	41	104°	114°	118°	126°	130°	137°
ZFL60		6.76	22mm	42.9	12.2	15.0	19.3	22.9	27.3	33	39	47	55	110°	120°	124°	126°	130°	135°

-- means not recommended at this pressure

QUICK DISCONNECT



SPRAY CHARACTERISTICS:

The FL series spray nozzles may also be used with air or steam, resulting in a deflected curtain of gas extending no more than a few inches away from the nozzle. For most applications, the maximum practical target distance from the nozzle is 25 cm.

CONSTRUCTION:

The 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. Please see page 40 for body styles and adapters.

TYPICAL APPLICATIONS:

For dispensing air or steam. Stainless steel construction recommended for steam applications.

- Cleaning
- Cooling
- Blow-off of Surfaces

ZFL	ZFLT MODEL	ORIFICE DIA. (mm)	DIMENSIONS		AIR CAPACITY (L/min)					COVERAGE AT 15 cm DISTANCE FROM THE NOZZLE	
			"A"	"L"	0.7 bar	1.5 bar	3 bar	4 bar	5 bar	0.7 bar	1 bar
	ZFLT.25	0.43	11mm	15.8	1.7	4.0	6.6	8.3	10.0	5	11
	ZFLT.50	0.61	11mm	15.8	3.1	7.6	12.8	16.0	19.2	5	13
	ZFLT.75	0.74	11mm	19.9	4.8	11.0	18.5	23.2	27.8	6	15
	ZFLT1	0.84	11mm	19.9	6.2	14.4	24.2	30.3	36.3	8	15
	ZFLT1.3	0.97	11mm	20.7	8.2	19.3	32.3	40	48	8	17
	ZFLT1.5	1.07	11mm	20.7	9.9	23.5	39	49	59	9	17
	ZFLT2	1.19	11mm	20.7	12.5	29.2	49	61	73	9	19
	ZFLT2.5	1.40	11mm	20.7	17.0	40	67	84	101	10	19
	ZFLT3	1.50	11mm	20.7	19.5	46	77	97	116	13	20
ZFL4		1.78	11mm	23.8	27.7	65	109	137	164	13	23
ZFL5		1.93	11mm	23.8	33	76	128	160	192	15	25
ZFL7.5		2.39	11mm	23.8	50	119	199	249	299	17	25
ZFL10		2.79	14mm	23.8	68	161	271	338	406	18	28
ZFL12		3.05	14mm	23.8	82	193	323	404	484	18	29
ZFL15		3.28	14mm	26.7	99	238	399	499	598	18	30
ZFL18		3.73	14mm	26.7	122	292	489	611	734	20	33
ZFL20		3.91	14mm	26.7	133	320	537	671	805	22	37
ZFL22		4.09	14mm	33.4	147	348	584	730	876	22	37
ZFL24		4.29	14mm	33.4	161	385	646	807	969	22	38
ZFL27		4.50	14mm	33.4	178	422	708	885	1061	22	38
ZFL30		4.78	17mm	33.4	201	476	798	997	1197	22	39