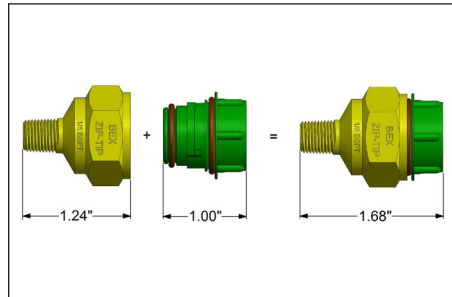




ZF110 MOLDED SPRAY NOZZLE

FLAT SPRAY • ZIP-TIP CONNECTION



Spray angle not exactly as shown

SPRAY CHARACTERISTICS:

ZF-series spray nozzles produce a flat, fan shaped spray pattern, with spray angles available from 0° to 110° at 40 PSI.

CONSTRUCTION:

Z-Body connection sizes are available in NPT and BSPT thread sizes of 1/8", 1/4", 3/8", and 1/2". Metal and molded plastic ZIP-TIP components are not interchangeable. Zip-Tips can be ordered as complete assemblies, or as replacement tips only.



ZF Zip-Tips are available with finger Tabz for easy insertion and removal

MATERIALS AVAILABLE:

POLYOROPYLENE (LL) - (Green)

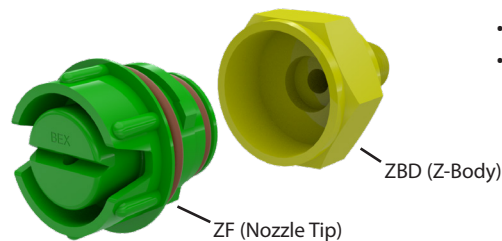
Excellent chemical and corrosion resistance. Useful up to 175°F

NATURAL POLYPROPYLENE (LN) Non-pigmented for optimum purity

PVDF (KK) - (Red) Excellent durability and abrasion resistance and is inert to most chemicals. Useful up to 300°F.

NATURAL PVDF (KN)

Non-pigmented for optimum purity.



TYPICAL APPLICATIONS:

- Printed Circuit Board Washing
- PCB-Etching/Developing
- Semiconductor Manufacturing
- Pressure Washing
- Street Sweeping
- Carpet Cleaning
- Fruit and Vegetable Washing
- Plating Processing
- Dust Suppression
- Acid Spraying
- Degreasing
- Coating Applications
- Foam Control
- Metal Washing
- Chemical Spraying
- Rising Parts

Model #	Equiv. Orif. Dia. mm	Capacities at Various Pressures LPM													Spray Angles		
		0.3 bar	0.5 bar	0.7 bar	1.0 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	20 bar	30 bar	1.5 bar	3 bar	5 bar
ZF11003	1.04	0.37	0.48	0.57	0.68	0.84	0.97	1.18	1.37	1.53	1.81	2.16	3.06	3.7	92°	110°	118°
ZF11004	1.19	0.50	0.64	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.41	2.88	4.1	5.0	90°	110°	112°
ZF11005	1.35	0.62	0.81	0.95	1.14	1.40	1.61	1.97	2.28	2.55	3.01	3.6	5.1	6.2	96°	110°	114°
ZF11006	1.47	0.75	0.97	1.14	1.37	1.67	1.93	2.37	2.73	3.06	3.6	4.3	6.1	7.5	97°	110°	115°
ZF11008	1.70	1.12	1.45	1.72	2.05	2.51	2.90	3.6	4.1	4.6	5.4	6.5	9.2	11.2	100°	110°	115°
ZF11010	1.91	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	6.0	7.2	10.2	12.5	102°	110°	115°
ZF11015	2.31	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	7.6	9.0	10.8	15.3	18.7	102°	110°	115°
ZF11020	2.67	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	12.1	14.4	20.4	25.0	103°	110°	112°

* TABLE CONTINUES ON FOLLOWING PAGE



* TABLE CONTINUED FROM PREVIOUS PAGE

Model #	Equiv. Orif. Dia. mm	Capacities at Various Pressures LPM													Spray Angles		
		0.3 bar	0.5 bar	0.7 bar	1.0 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	20 bar	30 bar	1.5 bar	3 bar	5 bar
ZF11030	3.28	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	18.1	21.6	30.6	37	103°	110°	112°
ZF11040	3.78	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20.4	24.1	28.8	41	50	103°	110°	112°
ZF11050	4.24	6.2	8.1	9.5	11.4	14.0	16.1	19.7	22.8	25.5	30.1	36	51	62	107°	110°	116°
ZF11060	4.62	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	30.6	36	43	61	75	104°	110°	112°
ZF11070	5.00	8.7	11.3	13.3	16.0	19.5	22.6	27.6	32	36	42	50	71	87	107°	110°	112°

