

# EZ FF NF SPN

## EZ Change Quick Connection System

### DESIGN FEATURES

- Nozzles can be changed in seconds without tools
- Three part nozzle, base, gasket and interchangeable tip
- Exclusive ramped engagement for efficient automatic alignment
- Threaded adapters will accommodate other standard BETE nozzles. Shut-off plugs are also available.
- Sanitary EZs are available with weld connection and no knurling

### SPRAY CHARACTERISTICS

- Available in six standard tips: EZFF; EZNF; EZSPN; EZWL; EZTF, and EZWT

#### More EZ tips:

Full Cone: page 38

Hollow Cone: page 54 and 55

**Flow rates:** 0.051 to 125 l/min

#### Spray Angle:

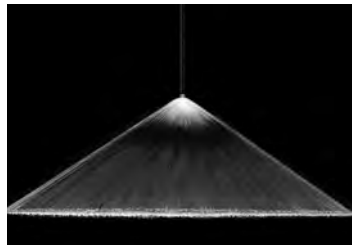
**EZFF:** 105° and 145°

**EZNF:** 0°, 15°, 30°, 50°, 65°, 80°, 90°, 110°, 120°

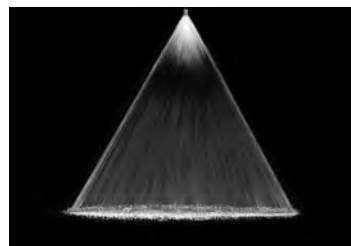
**EZSPN:** 15°, 25°, 35°, 40° and 50°



EZNF



145° Fan



50° Fan



Base

Gasket

Tip

EZNF exploded

Dimensions are approximate. Check with BETE for critical dimension applications.

### EZFF Flow Rates and Dimensions

Deflected Flat Fan 105° and 145° Spray Angles 1/8" to 1/2" BSP or NPT

Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR							Approx. Orifice Dia. (mm)	Pipe Size	Approx. Assembly Dim. (mm) Hex Length	Wt. (g)				
			0.2 bar	0.5 bar	0.7 bar	1 bar	2 bar	3 bar	5 bar								
1/8"	EZFF016*	0.114	0.051	0.081	0.095	0.114	0.161	0.197	0.255	0.406	1/8	22.4 41.4	62				
	EZFF024*	0.228	0.102	0.161	0.191	0.228	0.322	0.395	0.510	0.610							
	EZFF028*	0.342	0.153	0.242	0.286	0.342	0.483	0.592	0.764	0.711							
	EZFF033*	0.456	0.204	0.322	0.381	0.456	0.645	0.789	1.02	0.838							
	EZFF041	0.684	0.306	0.483	0.572	0.684	0.967	1.18	1.53	1.04							
	EZFF046	0.912	0.408	0.645	0.763	0.912	1.29	1.58	2.04	1.17							
	EZFF052	1.14	0.510	0.806	0.953	1.14	1.61	1.97	2.55	1.32							
	EZFF057	1.37	0.611	0.967	1.14	1.37	1.93	2.37	3.06	1.45							
	EZFF065	1.82	0.815	1.29	1.53	1.82	2.58	3.16	4.08	1.65							
TO	EZFF073	2.28	1.02	1.61	1.91	2.28	3.22	3.95	5.10	1.85	1/4"	22.4 44.5	62				
	EZFF093	3.42	1.53	2.42	2.86	3.42	4.83	5.92	7.64	2.36							
	EZFF104	4.56	2.04	3.22	3.81	4.56	6.45	7.89	10.2	2.64							
	EZFF116	5.47	2.45	3.87	4.58	5.47	7.73	9.47	12.2	2.95							
	EZFF125	5.70	2.55	4.03	4.77	5.70	8.06	9.87	12.7	3.18							
	EZFF129	6.84	3.06	4.83	5.72	6.84	9.67	11.8	15.3	3.28							
	EZFF141	8.20	3.67	5.80	6.86	8.20	11.6	14.2	18.3	3.58							
	EZFF148	9.12	4.08	6.45	7.63	9.12	12.9	15.8	20.4	3.76							
	EZFF156	10.0	4.48	7.09	8.39	10.0	14.2	17.4	22.4	3.96							
1/2"	EZFF161	10.9	4.89	7.73	9.15	10.9	15.5	18.9	24.5	4.09	3/8"	22.4 46.0	74				
	EZFF173	12.3	5.50	8.70	10.3	12.3	17.4	21.3	27.5	4.39							
	EZFF187	13.7	6.11	9.67	11.4	13.7	19.3	23.7	30.6	4.75							
	EZFF196	16.0	7.13	11.3	13.3	16.0	22.6	27.6	35.7	4.98							
	1/4"	EZFF218	18.2	8.15	12.9	15.3	18.2	25.8	31.6	40.8				5.31	1/2"	22.4 47.5	82
	TO	EZFF221	20.5	9.17	14.5	17.2	20.5	29.0	35.5	45.9				5.61			
1/2"	EZFF250	23.9	10.7	16.9	20.0	23.9	33.8	41.4	53.5	6.35							
	EZFF256	27.3	12.2	19.3	22.9	27.3	38.7	47.4	61.1	6.55							

Flow Rate (l/min) =  $K \sqrt{\text{bar}}$

\*Available in 105° only; all others 145°

Standard Materials: 303 Stainless Steel, 316 Stainless Steel, and Brass; Viton gaskets standard.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.