

# SF

## Snap Release Nozzle System

### DESIGN FEATURES

- Nozzles can be quickly changed and aligned by hand without tools
- Clamp-on adapter fits any style nozzle
- Quick set-up system features special "Snap-in" tips
- Polypropylene, resistant to most acids and alkalis
- Double clamp base or adapter available for higher pressure operation

### SPRAY CHARACTERISTICS

- Quick Set-up System can be provided with fan, hollow or full cone spray tips
- Full 45° alignment of spray without tools

#### More SF Nozzle Systems:

Full Cone: page 31

Flat Fan: page 68

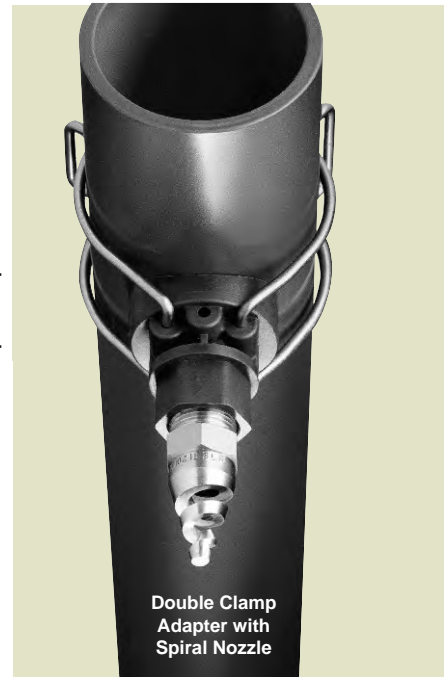
**Flow rates:** 0.35 to 15.8 gpm

#### Spray angles:

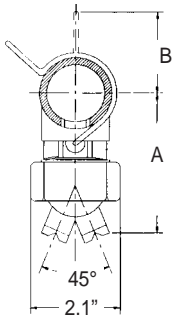
**Fan:** 40°, 50°, 65°, 80°, 95°

**Hollow Cone:** 50°, 65°, 90°

**Full Cone:** 35°, 65°, 80°

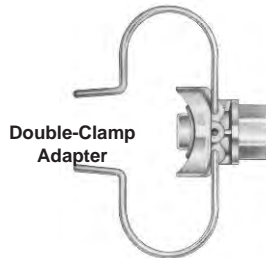


Double Clamp Adapter with Spiral Nozzle



### CLAMP-ON ADAPTER

- Available for 1", 1-1/4", 1-1/2" and 2" pipe.
- Available with 1/8", 1/4", 3/8", 1/2" NPT female threads; or 1/8" BSP female threads
- Available with single or double clamp.
- **TO ORDER ADAPTER Specify: Pipe Size, thread size, thread type, number of clamps, materials.**

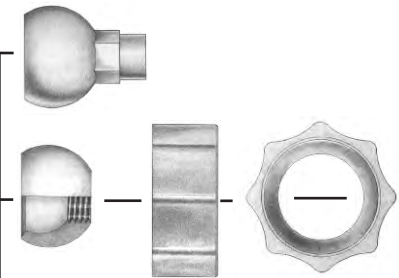


Double-Clamp Adapter



Single-Clamp Adapter

### "SNAP-IN" Hollow Cone Nozzle Tip



#### "SNAP-IN" Threaded Swivel Ball

Available with 1/8", 1/4", 3/8", 1/2" NPT or BSP Female threads

#### Retainer Cap

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

### SF Flow Rates and Dimensions

SF Hollow Cone 50°, 65° and 90° Spray Angles 1", 1-1/4", 1-1/2" and 2" Pipe Sizes

Nozzle Number	Available Spray Angle	K Factor	GALLONS PER MINUTE @ PSI								Pipe Size	Body Color	Approx. Dim. (in.)		Wt. (oz.)	
			5 PSI	10 PSI	15 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI			100 PSI	A		B
SF15HC	90°	0.237	0.53	0.75	0.92	1.06	1.30	1.50	1.84	2.12	2.37	1"	blue	3.3	1.7	2.0
SF58HC	50°	0.917	2.05	2.90	3.55	4.10	5.20	5.80	7.10	8.20	9.17	1-1/4"	red	3.4	1.9	2.2
SF100HC	65°	1.581	3.53	5.00	6.12	7.07	8.65	10.0	12.2	14.1	15.8	1-1/2"	purple	3.6	2.0	2.2
												2"	green	3.7	2.2	2.2

$$\text{Flow Rate (GPM)} = K\sqrt{\text{PSI}}$$

**Standard Materials:** Polypropylene, 302 Stainless Steel clamp, EPDM seal.

**Optional Materials:** Viton seal.

**NOTE:** Drill 21/32" hole in pipe to install SF.

**NOTE:** Maximum recommended working pressures for SF assemblies: with single clamp, 70 psi for 1" pipe; 50 psi for 1-1/4" and 1-1/2" pipe; and 35 psi for 2" pipe; with double clamp up to 150 psi.

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