SF

Snap Release Nozzle System



Snap-In Fan Tip

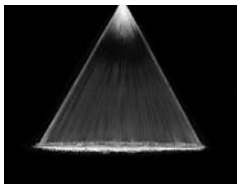
DESIGN FEATURES

- 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 alkalies
- Double clamp base or adapter available for higher pressure operation

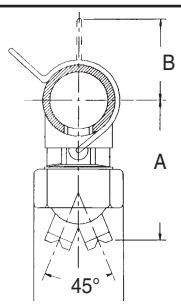
SPRAY CHARACTERISTICS

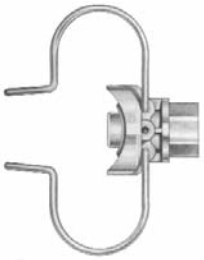
- Quick Set-up System can be provided with fan, hollow or full cone spray tips
- Full 45° alignment of spray without tools

More SF Nozzle Systems:
Full Cone: page 31
Hollow Cone: page 48
Flow rates: 1.61 to 75.6 l/min
Spray angles:
Fan: 40°, 50°, 65°, 80°, 95°
Hollow Cone: 50°, 65°, 90°
Full Cone: 35°, 65°, 80°

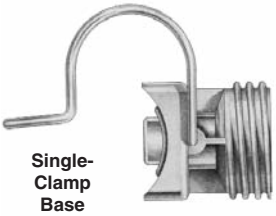


50° Fan

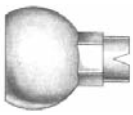




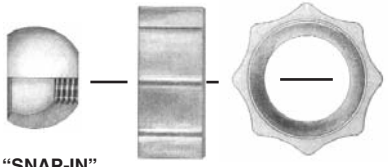
Double-Clamp Adapter



Single-Clamp Base



"SNAP-IN" Flat-Fan Nozzle Tip



"SNAP-IN" Threaded Swivel Ball
Available with 1/8", 1/4", 3/8", 1/2" NPT or BSP Female threads

Retainer Cap

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 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.



Single-Clamp Adapter

SF Flow Rates and Dimensions

SF Fan 40°, 50°, 65°, 80° and 90° Spray Angles 1", 1-1/4", 1-1/2" and 2"

Nozzle Number	Available Spray Angles	K Factor	LITERS PER MINUTE @ BAR 0.5 bar	0.7 bar	1 bar	2 bar	3 bar	5 bar	7 bar	10 bar	Approx. Orifice Dia. (mm)	Pipe Size	Body Color	Pipe O.D. (mm)	Approx. Dim. (mm) A	B	Wt. (g)
SF10	80°	2.277	1.61	1.91	2.28	3.22	3.94	5.09	6.03	7.20	2.0	1"	blue	33.40	83.8	43.2	62.4
SF20	65°	4.556	3.22	3.81	4.55	6.44	7.89	10.2	12.1	14.4	2.8						
SF30	65°	6.832	4.83	5.72	6.83	9.66	11.8	15.3	18.1	21.6	3.6	1-1/4"	red	42.16	86.4	48.3	62.4
SF40	65°	9.109	6.44	7.62	9.11	12.9	15.8	20.4	24.1	28.8	4.0						
SF50	40° 50° 65°	11.40	8.06	9.54	11.4	16.1	19.7	25.5	30.2	36.1	4.4	1-1/2"	purple	48.26	91.4	50.8	62.4
SF60	50° 65° 80° 95°	13.68	9.67	11.4	13.7	19.3	23.7	30.6	36.2	43.3	4.8						
SF70	50° 80°	16.00	11.3	13.4	16.0	22.6	27.7	35.8	42.3	50.6	5.2	2"	green	60.33	94.0	55.9	62.4
SF100	50°	22.7	16.1	19.1	22.8	32.2	39.4	50.9	60.3	72.0	6.4						

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

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

NOTE: Drill 16.7mm (21/32") hole in pipe to install SF.

NOTE: Maximum recommended pressures for SF assemblies: With single clamp 5 bar for 1" pipe; 3.5 bar for 1-1/4" and 1-1/2" pipe; and 2 bar for 2" pipe; with double clamp up to 10 bar.

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