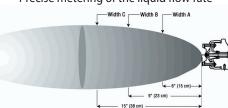
SAM

External Mix/Flat Fan or Narrow Round

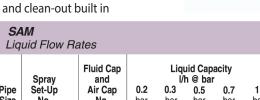
DESIGN FEATURES

- Separate atomizing and fan air lines provide variable coverage and fine control of drop size without affecting liquid flow rates. Higher atomizing air pressure yields finer drop size; higher fan air pressure yields broader patterns
- Pneumatically controlled shut-off and clean-out built in

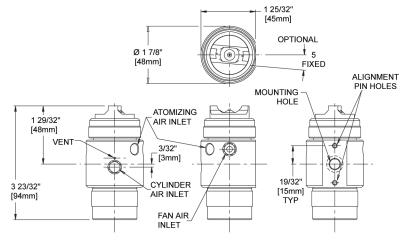
- External mix; allows spraying of viscous materials
- Liquid flow rates are independent of air
- Precise metering of the liquid flow rate





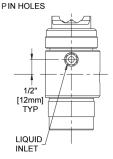


. .	Spray	Fluid Cap and	Liquid Capacity I/h @ bar									
Pipe Size	Set-Up No.	Air Cap No.	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar				
	SAM-01-02	FCS 01 & ACS 02	2.7	3.3	4.3	5.1	6.2	7.6				
	SAM-02-02	FCS 02 & ACS 02	4.5	5.5	7.2	8.5	10.2	12.5				
1/8	SAM-03-02	FCS 03 & ACT 02	8.8	10.8	14.0	16.6	19.9	24				
	SAM-04-03	FCS 04 & ACS 03	13.5	16.5	21	25	30	37				
	SAM-05-03	FCS 05 & ACS 03	17.2	21	27	32	38	46				
	SAM-06-04	FCS 06 & ACS 04	37	46	60	72	86	107				
	SAM-07-05	FCS 07 & ACS 05	59	74	97	116	140	174				



SA Air	M Flow Rates											
Pipe Size	Spray Set-Up No.	Fluid Cap and Air Cap No.	0.7 bar	1 bar	1.5 bar	At 2 bar	tomizing A Nm³/h 2.5 bar		ty 4 bar	5 bar	6 bar	
	SAM-01-02 SAM-02-02	FCS 01 & ACS 02 FCS 02 & ACS 02	0.8	1.0	1.3	1.6	1.9	2.2	2.8	3.3	3.9	
1/8	SAM-03-02 SAM-04-03 SAM-05-03	FCS 03 & ACS 02 FCS 04 & ACS 03 FCS 05 & ACS 03	2.8	3.3	4.1	5.0	5.8	6.7	8.3	10.0	11.7	
	SAM-06-04 SAM-07-05	FCS 06 & ACS 04 FCS 07 & ACS 05	3.5 4.5	4.1 5.3	5.1 6.7	6.2 8.0	7.2 9.3	8.2 10.6	10.2 13.3	12.3 15.9	14.3 18.5	
		Fluid Cap	Fan Air Capacity Nm³/h @ bar									
Pine	Spray Set-Up	and [']	0.7	1	15	9	Nm³/h		4	5	6	
Pipe Size	Spray Set-Up No.		0.7 bar	1 bar	1.5 bar	2 bar		@ bar 3 bar	4 bar	5 bar	6 bar	
	Set-Up	and Air Cap		-			Nm³/h 2.5	3	-	-	-	
	Set-Up No. SAM-01-02 SAM-02-02 SAM-03-02 SAM-04-03 SAM-05-03	and Air Cap No. FCS 01 & ACS 02 FCS 02 & ACS 02 FCS 03 & ACS 02 FCS 04 & ACS 03 FCS 05 & ACS 03	bar 2.7 5.0	3.2 6.1	4.1 7.8	4.9 9.6	Nm³/h 2.5 bar 5.8	3 bar 6.6	8.3 16.6	10.0 20	11.8 24	
Size	Set-Up No. SAM-01-02 SAM-02-02 SAM-03-02 SAM-04-03	and Air Cap No. FCS 01 & ACS 02 FCS 02 & ACS 02 FCS 03 & ACS 02 FCS 04 & ACS 03	bar 2.7	bar 3.2	bar 4.1	bar 4.9	Nm³/h 2.5 bar 5.8	3 bar 6.6	8.3	bar 10.0	bar 11.8	

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



Note: Spray set-ups consist of fluid and air caps. Set-ups are interchangeable but each uses a different needle size.

Air-Operated Clean-out/ Shut-off.Removal of air pressure to the cylinder causes a springloaded poppet valve actuator to shut off liquid flow and includes a cleanout needle.

Replacement air caps include replacement Blue-Gard' gaskets.

SAM Coverage Chart Variable Spray, Pressure Fed, Flat Fan or *Narrow Round Spray Pattern

	Spray	Fluid Cap and				0* bar		Spray [Dimensi 0.7 bar	ons witl	nVaried I	an Air l 2.5 bar	Pressure	Ð	4 bar	
pe ze	Set-up No.	Air Cap No.	bar air	bar liquid	A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)
-	110.			0.2	50	80	100	180	230	250	150	200	280	150	200	280
			0.7	0.7 1.5	60 50	90 80	110 100	180 200	250 300	300 360	180 230	200 280	280 360	180 200	200 250	300 330
				0.2	50	80	110	130	150	180	200	250	360	200	280	360
	SAM-01-02	FCS 01	2	0.7 1.5	50 50	60 80	130 100	150 180	180 230	250 330	200 250	250 300	330 380	200 240	250 290	300 370
	3AM-01-02	& ACS 02	2.5	0.2	60 50	90 80	150 130	130 150	150 180	200 250	200 230	250 280	360 360	230 230	280 280	360 330
			2.0	1.5	50	80	110	180	200	300	250	300	360	250	300	380
			4	0.2 0.7	60 50	90 80	150 130	100 110	130 130	150 180	200 200	280 250	330 360	230 230	280 300	360 380
-				1.5 0.2	50 50	80 80	110 100	130 200	180 250	230 300	230 160	300 220	410 280	250 150	330 230	430 300
			0.7	0.7	60	90	110	200	300	380	230	360	460	180	250	330
				1.5 0.2	50 50	80	100	200 140	300 180	380 200	200	250	360	200	250 280	330 360
		FCS 02	2	0.7	50	80	130	180	230	300	250	300	360	230	250	330
	SAM-02-02	& ACS 02		1.5 0.2	50 60	80 90	100 150	180 130	250 180	300 230	330 200	410 250	460 360	240 230	290 280	370 360
			2.5	0.7 1.5	50 50	80 80	130 110	180 160	200 230	160 320	240 290	300 380	360 430	230 280	300 360	380 460
				0.2	60	90	150	110	140	180	200	270	330	230	280	360
			4	0.7 1.5	60 50	100 80	140 110	130 140	150 190	220 240	230 250	280 360	360 460	250 280	300 360	380 460
- 1				0.2	50	80	130	230	300	380	180	230	280	180	230	300
			0.7	0.7 1.5	50	60	100	300 250	380 300	530 410	300	510	580			
_		FCS 03 &	_	0.2	60	80	110	150	200	230	200	250	330	200	250	330
8	SAM-03-02		2	0.7 1.5	50 50	80 60	130 100	200 200	280 300	380 360	280 410	330 510	330 560	250	280	330
	3AM-03-02	ACS 02	2.5	0.2	60	90	130	130	180	250	200	250	330	200	280	330
			2.5	0.7 1.5	50 50	80 80	130 130	180 180	200 230	280 370	280 330	330 460	380 530	250 300	300 430	330 530
			4	0.2 0.7	60 60	90 90	140 140	130 150	150 180	200 240	200 250	250 330	330 410	200 280	250 330	330 380
			_	1.5	50	80	110	150	200	250	300	460	560	330	460	530
			0.7	0.2 0.7	60 50	90 80	130 110	230 150	330 360	480 410						
			0.7	1.5				230	330	480	460	610	740			
	SAM-04-03	ECC 04	2	0.2 0.7	60 60	80 90	130 130	100 130	130 180	180 230	280 330	380 430	460 560	300 200	380 530	460 660
		FCS 04 & ACS 03		1.5	60	90	140	130	150	230	330	510	610	180	560	690
			2.5	0.2	60 60	80 90	130 130	90 100	110 130	160 180	230 250	300 360	360 460	280 130	330 460	460 560
				1.5	60	90	130	100	140	200	280	380	530	150	510	630
			4	0.2 0.7	60 60	90 90	130 110	80 80	100 100	150 150	200 200	250 280	330 360	250 280	300 380	430 460
			0.7	1.5 0.2	60 80	90	110 150	80 230	110 300	180 460	250	300	410	300	430	560
			0.7	0.7	- 00	100	150	200	280	380	610	740	890			
		FCS 05	2	1.5 0.2	60	90	150	230 100	300 150	380 200	530 300	710 380	480	300	380	480
				0.7	60	90	130	110	150	200	360	460	580	430	560	630
SAM	SAM-05-03	&	2.5	1.5 0.2	50 60	80 90	130 150	110 90	150 130	230 180	380 250	480 330	690 430	460 300	580 360	690 460
		ACS 03		0.7	60	90	140	100	150	200	300	410	510	380	460	560
			4	1.5 0.2	60	90	140 150	90 60	130	230 180	330 230	430 280	560 360	410 250	510 300	610 430
				0.7 1.5	60 60	90 90	140 140	80 80	100 100	150 150	250 230	330 330	410 430	330 300	410 430	510 580
				0.2	80	100	130	180	250	330				500	430	500
		FCS 06 & ACS 04	0.7	0.7 1.5							530 430	660 560	840 760	560	690	860
			_	0.2	80	100	130	100	150	200	300	360	530	380	480	560
	0414.00.04		2	0.7 1.5	60	90	130	100	150	220	330 280	410 410	560 530	410 460	530 460	580 610
	SAM-06-04		2.5	0.2	80	100	140	40	130	180	250	300	430	300	430	530
			2.5	0.7 1.5	60 60	90 90	130 130	100 80	130 130	180 200	280 230	360 330	510 430	360 330	460 460	640 660
			4	0.2 0.7	80 80	100 100	150 130	80 90	100 110	150 180	200 230	250 300	330 410	250 300	330 410	460 530
			4	1.5	80	90	130	80	100	140	200	250	380	300	410	530
			0.7	0.2 0.7	80	100	130	200	280	380	530	690	890			
		FCS 07 & ACS 05		1.5	80	100	130	130	160	230	480 330	610 460	840 580			
			2	0.7	00	100	130	150	180	250	330	430	560	430	630	690
-	SAM-07-05			1.5 0.2	80	100	140	140	150	230	360 280	430 380	610 480	460 430	560 610	740 760
			2.5	0.7	80	90	130	110	180	190	300	380	510	410	510	740
				1.5 0.2	80	100	150	100	150	200	300 230	360 300	530 410	360 360	480 430	690 530
						100	160		160	190	250		430			