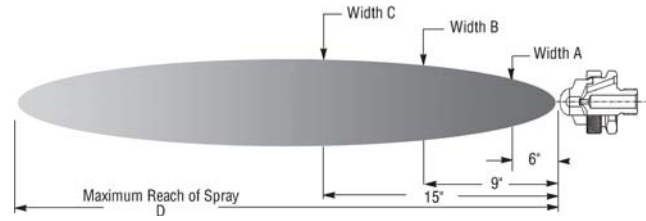


1/2 XA



Air Atomizing

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

AD 1/2" XA AD Set-up Flow Rates and Dimensions Pressure-fed, Internal Mix, Wide Angle Round Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	5 PSI Liquid			15 PSI Liquid			25 PSI Liquid			35 PSI Liquid			55 PSI Liquid			Spray Dimensions					
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	liquid	A (in.)	B (in.)	C (in.)	D (feet)
1/2	AD 5050	Fluid Cap FC 501 & Air Cap AC 5601							28	33.0	8.40	40	28.8	11.3	58	66.0	12.2	30	25	13.5	19.0	26.5	22
									30	19.8	10.8	42	15.6	13.9	60	42.0	15.0	40	35	13.5	19.0	26.5	24
																62	25.5	18.2	60	55	14.0	19.5	27.0
	AD 5100	Fluid Cap FC 501 & Air Cap AC 5602	8	27.0	6.50	18	42.0	7.00	32	47.0	11.0	46	42.6	18.1	70	81.0	30.0	10	5.0	13.0	18.5	25.5	20
			10	15.0	8.20	20	29.4	8.80	34	36.0	12.8	48	32.4	20.2	75	45.0	35.0	20	15	13.5	19.0	25.5	26
			12	8.4	9.80	22	20.2	10.5	36	25.2	14.7	50	25.8	22.2	80	22.2	39.6	36	25	13.0	18.5	26.5	21
						24	14.4	12.2	38	18.6	16.6	52	19.8	24.0				50	35	13.5	19.0	26.5	24
	AD 5150	Fluid Cap FC 501 & Air Cap AC 5603	10	34.2	11.4	26	46.2	20.2	40	62.6	27.5	54	75.6	32.6	75	127	39.0	12	5.0	14.0	19.5	27.0	26
			12	21.6	13.0	28	37.2	22.0	42	52.8	29.6	56	57.0	34.3	80	108	42.0	30	15	13.5	19.0	26.5	24
			14	12.0	14.7	30	28.4	23.7	44	42.0	31.6	58	46.8	35.8	85	98	46.0	46	25	13.0	18.5	26.0	23
						32	21.6	25.3	46	33.6	33.6	60	39.0	37.3				60	35	14.0	19.5	27.0	28
						34	16.2	27.0	48	25.2	35.6	62	33.0	38.8				80	55	14.0	19.5	28.0	30
AD 5200	Fluid Cap FC 502 & Air Cap AC 5604	10	35.4	11.1	18	103	15.4	26	155	17.7	36	180	23.0	54	222	29.1	10	5.0	13.0	25.0	36.0	11	
		12	26.4	13.4	20	81.6	17.6	28	135	20.0	38	162	25.4	56	204	31.2	20	15	11.0	26.0	36.0	16	
					22	63.6	19.8	30	115	22.5	40	147	27.8	58	192	34.0	32	25	11.0	22.0	32.0	20	
					24	49.3	22.6	32	100	25.1	42	131	30.2	60	180	36.3	44	35	11.0	21.0	29.0	22	
					34			34	84.0	27.5	44	116	32.6	62	166	38.9	64	55	11.0	22.0	31.0	25	
					36			36	69.5	30.0	46	101	35.1	64	154	41.6							
					38			38	56.4	32.6	48	85.0	37.6	66	142	44.1							
					40			40	45.7	35.3	50	75.0	40.2	68	130	46.6							
											52	62.4	42.7	70	119	49.3							
														72	108	51.6							
														74	97.4	54.2							
														76	87.5	57.1							

PR 1/2" XA PR Set-up Flow Rates and Dimensions Pressure-fed Internal Mix Round Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	5 PSI Liquid			15 PSI Liquid			25 PSI Liquid			35 PSI Liquid			55 PSI Liquid			Spray Dimensions					
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	liquid	A (in.)	B (in.)	C (in.)	D (feet)
1/2	PR 5050	Fluid Cap FC 501 & Air Cap AC 5501	18	9.00	12.4	28	31.7	14.9	38	58.0	17.3	48	80.0	19.3				20	5.0				22
			20	6.70	13.7	32	22.5	17.0	44	37.7	20.8	54	55.2	23.6				36	15				24
			22	5.40	14.7	38	15.9	19.3	50	24.7	24.8	60	40.0	27.5				50	25	3.5	6.5	10	27
			24	4.10	15.7	36	13.2	20.4	54	19.5	27.5	66	30.0	32.1				60	35				30
						40	11.1	21.5	58	16.0	30.2	72	23.3	37.0									
				42	9.20	22.6	60	14.5	31.8	78	18.3	42.2											
	PR 5100	Fluid Cap FC 502 & Air Cap AC 5502	10	35.4	11.1	18	103	15.4	26	155	17.7	36	180	23.0	54	222	29.1	10	5.0	4.0	7.0	9.0	23
			12	26.4	13.4	20	81.6	17.6	28	135	20.0	36	162	25.4	56	205	31.2	20	15	6.0	10	13	21
						22	63.6	19.8	30	115	22.5	40	147	27.8	58	190	34.0	32	25	5.0	8.0	10	37
						24	49.3	22.6	32	100	25.1	42	131	30.2	60	178	36.3	44	35	4.0	7.0	10	41
						34			34	84.0	27.5	44	116	32.6	62	166	38.9	64	55	4.0	7.0	10	47
						36			36	69.5	30.0	48	101	35.1	64	154	41.6						
					38			38	56.4	32.6	48	85.0	37.6	66	142	44.1							
			40			40	45.7	35.3	50	73.0	40.2	68	130	46.6									
									52	62.4	42.7	70	119	49.3									
												72	108	51.6									
												74	97.4	54.2									
												76	87.5	57.1									

Standard Materials: Nickel Plated Brass, 303 Stainless Steel, and 316 Stainless Steel.

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

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

EF

1/2" XA EF Set-up Flow Rates and Dimensions

Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	3 PSI Liquid			5 PSI Liquid			7 PSI Liquid			10 PSI Liquid			15 PSI Liquid			Spray Dimensions							
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	liquid	A (in.)	B (in.)	C (in.)	D (feet)		
1/2	EF 5050	Fluid Cap FC501 & Air Cap AC5001	30	138	31.0	40	180	38.0	45	210	41.5	55	252	48.0	80	306	65	35	3	8.5	14.5	20.5	19		
			35		34.0	45		41.5	50		45.0	60		51.5	85		69	50	5	9.0	16.5	21.5	22		
			40		38.0	50		45.0	55		48.0	60		51.5	75		58.0	90	72	55	7	9.5	17.5	23.0	23
			45		41.5	55		48.0	60		51.5	65		55.0	80		62.0	95	75	70	10	9.5	18.5	24.0	25
						60		51.5	65		55.0	80		65.0	100		78	90	15	10	19.5	26.0	29		

PF

1/2" XA PF Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Flat Fan Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	5 PSI Liquid			15 PSI Liquid			25 PSI Liquid			35 PSI Liquid			55 PSI Liquid			Spray Dimensions						
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	liquid	A (in.)	B (in.)	C (in.)	D (feet)	
1/2	PF5050	Fluid Cap FC501 & Air Cap AC5301				28	39.0	22.4	44	44.1	31.5	58	53.0	40.0				20	10	17	28	35	18	
			30	31.8	24.0	46	37.2	33.5	60	45.6	42.0				30	15	18	29	36	19				
			32	24.6	25.9	48	31.2	35.1	62	38.0	44.0				40	20	19	30	37	21				
			34	19.8	27.5	50	26.0	36.9	65	31.0	47.0				50	25	20	31	38	23				
			36	15.0	29.1	60	20.6	38.7	70	21.0	52.5				60	35	24	36	43	27				
	PF 5100	Fluid Cap FC502 & Air Cap AC5302	10	35.4	11.1	18	103	15.4	26	155	17.7	36	180	23.0	54	222	29.1	10	5.0	20	34	47	13	
			12	26.4	13.4	20	81.6	17.6	28	135	20.1	36	162	25.4	56	205	31.2	20	15	34	62	83	15	
						22	63.6	19.8	30	115	22.5	40	147	27.8	58	190	34.0	20	15	34	62	83	15	
						24	49.3	22.6	32	100	25.1	42	131	30.2	60	178	36.3	32	25	34	62	82	17	
						34	84.0	27.5	34	84.0	27.5	44	116	32.6	62	166	38.9	44	35	36	66	85	19	
						36	69.5	30.0	36	69.5	30.0	46	101	35.1	64	154	41.6	64	55	36	67	89	21	
						38	56.4	32.6	38	56.4	32.6	48	85.0	37.6	66	142	44.1							
						40	45.7	35.3	40	45.7	35.3	50	73.0	40.2	68	130	46.6							
												52	62.4	42.7	70	119	49.3							
															72	108	51.6							
												74	97.4	54.2										
												76	87.5	57.1										

SR

1/2" XA SR Set-up Flow Rates and Dimensions

Siphon-fed, External Mix, Round Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	ATOMIZING AIR		Liquid Capacity in GPH (Gallons Per Hour)								Spray Dimensions at 8" Siphon Ht.							
			PSI air	Air Capacity SCFM	Gravity Head			Siphon Height					PSI air	B (in.)	D (feet)					
					18"	12"	6"	4"	8"	12"	24"									
1/2	SR 5050	Fluid Cap FC501 & Air Cap AC5201	10	12.7						10.7								20		20
			20	18.5						22.8								30		22
			30	24.0						32.4								40		24
			43	29.2				67.6	58.8		38.8							50	6	26
			50	34.8		79.8	70.5	62.8		43.0								60		29
			60	40.1		81.9	72.1	63.5		45.4						9.50		70		32
			70	46.1		83.2	74.5	66.0		48.0						13.8		80		35
			80	51.0		84.6	76.2	67.6		49.8						16.5				

XW

1/2" XA XW Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Extra-Wide Angle, Hollow Cone Spray Pattern, 1/2" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	10 PSI Liquid			20 PSI Liquid			30 PSI Liquid			40 PSI Liquid			40 PSI Liquid		
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM
1/2	XW 5050	Fluid Cap FC502 & Air Cap AC5401	14	56.4	12.2	24	104	16.0	36	116	22.4	48	122	27.8	72	128	40.2
			16	38.4	14.8	26	85.8	18.6	38	98.4	24.8	50	110	29.8	74	116	42.3
			18	25.8	16.8	28	70.0	20.3	40	85.2	26.5	52	98.4	31.5	76	108	44.3
			20	15.6	19.0	30	54.6	22.7	42	73.2	28.9	54	85.8	33.8	78	96.6	46.3
						32	42.0	24.8	44	61.0	30.9	56	74.4	36.0	80	85.8	48.3
						34	30.6	26.8	46	49.8	35.0	58	66.0	38.3	82	78.6	50.5
						36	20.0	29.3	48	38.4	35.0	60	55.2	40.1	84	67.8	52.5
						38	7.20	31.8	50	30.0	37.8	62	44.4	42.0	86	60.0	54.8
												64	37.2	44.5	90	48.0	59.0
												66	20.4	45.8			

Standard Materials: Nickel Plated Brass, 303 Stainless Steel and 316 Stainless Steel.

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