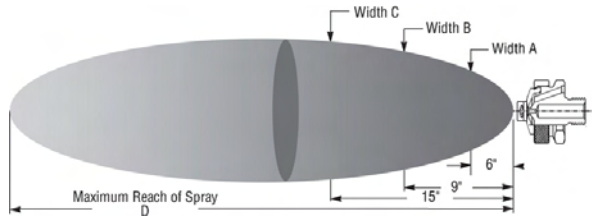


XAEF

Pressure-fed/External Mix/Flat Fan

DESIGN FEATURES

- External mix: allows spraying of viscous materials
- Variable atomization
- Moderate spray angle (60°- 90°)
- Precise metering of the liquid flow rate



1/4" XAEF 150 E
XAEF 00 Body; E Hardware

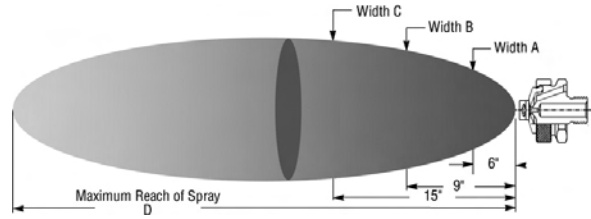
Dimensions are approximate. Check with BETE for critical dimension applications.

XAEF Set-up Flow Rates and Dimensions Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/8" and 1/4" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	3 PSI Liquid			5 PSI Liquid			10 PSI Liquid			20 PSI Liquid			40 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
1/8	EF 050	Fluid Cap FC7 & Air Cap AC1001	5	0.8	0.8	5	1.0	0.8	6	1.4	0.9	8	2.0	1.0	10	2.8	1.2	6	5	8	11	13	4'0"
			6		0.9	6		0.9	8		1.0	10		1.2	8		10	9	12	16	6'0"		
			7		1.0	8		1.0	10		1.2	12		1.4	15		20	11	13	17	8'0"		
			8		1.0	10		1.2	12		1.4	15		1.6	25		20	10	12	16	8'0"		
																	25	30	11	14	19	9'0"	
																	35	20	10	12	15	20	7'0"
1/4	EF 100	Fluid Cap FC7 & Air Cap AC1003	3	0.8	0.9	5	1.0	0.9	10	1.4	1.1	20	2.0	1.6	40	2.8	2.6	3	3	4	6	9	3'0"
			5		0.9	10		1.1	15		1.4	25		1.9	50		3.0	15	3	4	6	9	4'0"
			10		1.1	15		1.4	20		1.6	30		2.1	60		3.6	20	5	4	6	9	4'0"
			15		1.4	20		1.6	25		1.9	30		2.1	70		4.2	20	5	7	10	5'0"	
			20		1.6	25		1.9	30		2.1	40		2.6	75		4.5	25	10	5	6	10	5'0"
			25		1.9	30		2.1	40		2.6	50		3.0	80		4.9	40	20	5	7	11	6'0"
1/8	EF 150	Fluid Cap FC4 & Air Cap AC1001	5	1.2	0.8	5	1.6	0.8	8	2.2	1.0	10	3.1	1.2	15	4.4	1.6	10	5	11	13	16	5'0"
			8		1.0	10		1.2	10		1.2	20		2.9	20		15	18	19	6'0"			
			10		1.2	15		1.6	20		2.2	1.9		30	3.1		20	14	17	22	8'0"		
			15		1.6	20		1.9	30		2.5	35		2.8	35		25	20	13	16	20	9'0"	
																	35	30	15	18	23	10'0"	
																	35	40	16	19	26	10'0"	
1/4	EF 200	Fluid Cap FC4 & Air Cap AC1003	5	1.2	0.9	10	1.6	1.1	15	2.2	1.4	25	3.1	1.9	45	4.4	2.9	5	3	3	6	9	4'0"
			10		1.1	15		1.4	20		1.6	30		2.1	50		3.0	3	4	6	9	5'0"	
			15		1.4	20		1.6	25		1.9	40		2.6	60		3.6	25	5	4	7	9	6'0"
			20		1.6	25		1.9	30		2.1	40		2.6	70		4.2	25	20	5	8	12	7'0"
			25		1.9	30		2.1	40		2.6	50		3.0	70		4.2	30	10	5	7	10	6'0"
			30		2.1	40		2.6	50		3.0	60		3.6	90		5.6	50	20	5	9	12	8'0"
1/4	EF 250	Fluid Cap FC3 & Air Cap AC1001	6	2.3	0.9	6	3.0	0.9	6	4.2	0.9	10	5.9	1.2	20	8.4	1.9	8	5	14	19	24	5'0"
			7		1.0	8		1.0	8		1.0	12		1.4	25		2.2	10	20	15	19	25	6'0"
			8		1.0	9		1.1	10		1.2	15		1.6	30		2.5	20	20	17	21	26	7'0"
			10		1.2	10		1.2	12		1.4	20		1.9	35		2.8	25	30	16	20	27	9'0"
																	30	40	16	20	27	10'0"	
																	30	40	16	20	27	10'0"	
1/4	EF 300	Fluid Cap FC3 & Air Cap AC1003	10	2.3	1.1	15	3.0	1.4	20	4.2	1.6	35	5.9	2.4	50	8.4	3.0	10	3	5	7	10	4'0"
			15		1.4	20		1.6	25		1.9	40		2.6	60		3.6	25	3	5	7	10	5'0"
			20		1.6	25		1.9	30		2.1	50		3.0	70		4.2	30	5	5	7	10	6'0"
			25		1.9	30		2.1	40		2.6	60		3.6	75		4.5	35	20	6	8	13	8'0"
			30		2.1	40		2.6	50		3.0	70		4.2	80		4.9	40	10	6	8	12	7'0"
			40		2.6	50		3.0	60		3.6	80		4.9	90		5.6	60	20	6	8	14	10'0"
50	3.0	60	3.6	70	4.2	90	5.6	100	6.2	75	40	7	8	12	12'0"								

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.

XA EF Set-up Flow Rates and Dimensions
 Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/8" and 1/4" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	3 PSI Liquid			5 PSI Liquid			10 PSI Liquid			20 PSI Liquid			40 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
1/8 or 1/4	EF 350	Fluid Cap FC6 & Air Cap AC1002	8		3.2	10		3.6	20		5.5	30		7	45		10	20	5	13	15	19	10'0"
			10		3.6	15		4.7	30		7.4	40		9	60		13	30	10	13	16	22	12'0"
			15	3.6	4.6	25		6.5	35		8.3	50		11	75		15	45	20	14	18	23	13'0"
	EF 400	Fluid Cap FC6 & Air Cap AC1004	10		3.0	15		3.6	20		4.1	25		6	45		8	10	3	5	8	10	6'0"
			15		3.6	20		4.1	25		4.9	30		7	50		8	25	3	5	8	10	8'0"
			20	3.6	4.1	25		4.7	30		5.5	35		8	55		9	30	5	6	8	11	10'0"
	EF 450	Fluid Cap FC2 & Air Cap AC1002	8		3.2	10		3.6	15		4.6	25		8	50		11	15	3	13	15	20	18'0"
			15		4.6	20		5.5	25		6.5	35		10	65		14	25	10	14	19	25	10'0"
			20	4.8	5.5	25		6.2	35		8.3	55		12	85		17	35	20	15	18	25	12'0"
	EF 500	Fluid Cap FC2 & Air Cap AC1004	10		3.0	20		4.1	25		4.9	30		7	50		8	10	3	6	8	11	7'0"
15				3.6	25		4.9	30		5.5	45		8	60		10	25	3	6	8	11	10'0"	
20			4.8	4.1	30		6.1	35		6.3	50		9	70		11	35	5	6	9	13	11'0"	
EF 550	Fluid Cap FC1 & Air Cap AC1002	10		3.6	15		4.6	25		6.5	45		10	75		15	30	5	16	22	30	11'0"	
		15		4.6	20		5.5	30		7.4	50		11	85		17	45	10	17	23	31	13'0"	
		20	9.9	5.5	30		12.7	40		9.1	70		14	95		19	65	20	17	21	30	16'0"	
EF 600	Fluid Cap FC1 & Air Cap AC1004	10		3.6	25		4.9	35		6	45		8	55		9	15	3	6	8	10	8'0"	
		15		4.1	30		5.5	40		7	50		8	60		10	30	3	6	9	12	10'0"	
		20	9.9	4.9	35		6.3	45		8	55		9	65		11	40	5	7	10	14	11'0"	
EF 650	Fluid Cap FC8 & Air Cap AC1005	25		8	25		8	35		11	55		15	70		18	25	3	6	8	12	10'0"	
		30		9	30		9	40		12	60		16	80		20	40	3	6	8	12	11'0"	
		35	10.0	11	35		11	45		13	65		17	90		24	50	5	6	8	12	13'0"	
EF 700	Fluid Cap FC9 & Air Cap AC1005	40		12	50		13	65		15	70		18	85		21	30	3	7	10	14	11'0"	
		45		11	45		13	60		16	75		20	90		23	45	3	7	10	14	13'0"	
		50	17.4	12	50		13	65		17	80		21	95		24	55	5	7	10	14	14'0"	
EF 750	Fluid Cap FC5 & Air Cap AC1005	40		12	50		13	65		17	80		21	90		23	30	3	8	10	14	14'0"	
		45		13	55		15	70		18	85		22	95		24	40	3	8	10	15	15'0"	
		50	27.9	13	60		16	75		20	90		24	100		25	55	5	8	10	15	17'0"	
EF 750	Fluid Cap FC5 & Air Cap AC1005	55		15	65		17	80		21	90		24	100		25	70	10	9	11	15	18'0"	
		60		16	70		18	85		23	95		26	105		26	80	15	9	11	16	18'0"	
		65		17	75		20	90		24	100		27	110		27	85	20	9	11	16	19'0"	
70		18	80		21	95		25	105		28	115		28	90	20	9	11	16	19'0"			

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.