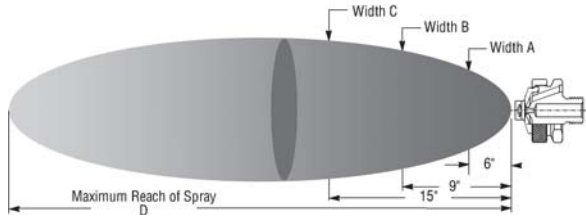


XAEF

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



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



1/4"XA EF 150 E
XA 00 Body; E Hardware

AIR ATOMIZING

XA EF Set-up Flow Rates and Dimensions

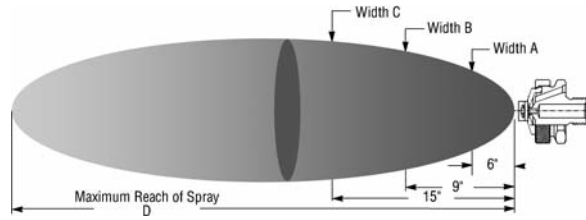
Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/8" and 1/4" Pipe Sizes

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	GPH liquid	"A" in.	"B" in.	"C" in.	"D" feet			
1/8 or 1/4	EF 050	Fluid Cap FC7 & Air Cap AC1001	5		0.8	5		0.8	6		0.9	8		1.0	10		1.2	10		1.6	6	5	8	11	13	4'0"
			6	0.8	0.9	6	1.0	0.9	8	1.4	1.2	10	1.6	1.9	15	2.0	2.8	15	2.2	20	10	12	16	18	6'0"	
			7		1.0	8		1.0	10		1.2	12		1.4	15		1.6	25		1.9	15	20	11	14	17	8'0"
			8		1.0	10		1.2	12		1.4	15		1.6	20		1.9	35		2.8	20	30	11	14	19	9'0"
	EF 100	Fluid Cap FC7 & Air Cap AC1003	3		0.9	5		0.9	10		1.1	15		1.4	20		1.6	40		2.6	3	3	4	6	9	3'0"
			5	0.8	0.9	10	1.0	0.9	15	1.4	1.1	20	1.6	1.9	25	2.0	2.8	30	3.0	3	5	4	6	9	4'0"	
			10		1.1	15		1.4	20		1.6	25		1.9	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	40		2.6	70		4.2	20	5	7	10	5'0"	
	EF 150	Fluid Cap FC4 & Air Cap AC1001	5		0.8	5		0.8	8		1.0	10		1.2	15		1.6	20		2.2	10	5	11	13	16	5'0"
			8	1.2	1.0	10	1.6	1.2	10	2.2	1.2	20	3.1	2.9	20	4.4	1.9	10	2.5	20	15	18	15	19	6'0"	
			10		1.2	15		1.6	20		1.9	30		2.5	30		2.8	35		2.5	20	20	14	17	22	8'0"
			15		1.6	20		1.9	30		2.5	35		2.8	35		3.5	35		2.8	25	20	13	16	20	9'0"
EF 200	Fluid Cap FC4 & Air Cap AC1003	5		0.9	10		1.1	15		1.4	20		1.6	25		1.9	45		2.9	5	3	3	6	9	4'0"	
		10	1.2	1.1	15	1.6	1.4	20	2.2	1.6	30	3.1	2.1	50	4.4	3.0	20	3.6	5	3	4	6	9	5'0"		
		15		1.4	20		1.6	25		1.9	30		2.1	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	60		3.0	70		4.2	25	20	5	8	12	7'0"	
EF 250	Fluid Cap FC3 & Air Cap AC1001	6		0.9	6		0.9	6		0.9	10		1.2	10		1.2	20		1.9	8	5	14	19	24	5'0"	
		7	2.3	1.0	8	3.0	1.0	8	4.2	1.0	12	5.9	1.4	25	8.4	2.2	10	2.5	15	15	19	19	25	6'0"		
		8		1.0	9		1.1	10		1.2	15		1.6	30		1.9	30		2.5	20	20	17	21	26	8'0"	
		10		1.2	10		1.2	12		1.4	20		1.9	35		2.8	35		2.8	25	30	16	20	27	9'0"	
EF 300	Fluid Cap FC3 & Air Cap AC1003	10		1.1	15		1.4	20		1.6	35		2.4	50		3.0	10		3.0	10	3	5	7	10	4'0"	
		15	2.3	1.4	20	3.0	1.6	25	4.2	1.6	30	5.9	2.6	60	8.4	4.2	30	3.6	25	3	5	7	10	5'0"		
		20		1.6	25		1.9	30		2.1	40		2.6	60		3.0	70		4.2	30	5	5	7	10	6'0"	
		25		1.9	30		2.1	40		2.6	60		3.0	70		3.6	75		4.5	35	20	6	8	13	8'0"	
EF 300	Fluid Cap FC3 & Air Cap AC1003	30		2.1	40		2.6	50		3.0	70		3.6	80		4.2	80		4.9	40	10	6	8	12	7'0"	
		40	2.3	2.6	50	3.0	3.0	60	4.2	3.0	60	5.9	3.6	80	8.4	5.6	60	5.6	60	20	6	8	14	10'0"		
		50		3.0	60		3.6	70		4.2	90		4.9	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.

TO ORDER: specify pipe size, body style, spray set-up #, hardware and mounting assemblies, and material. See page 74.



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		4.6	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	60	20	14	18	23	13'0"			
	EF 400	Fluid Cap FC6 & Air Cap AC1004	20		4.6	30		7.4	40		9.1	60		13	80		16	55	30	15	19	25	15'0"			
			25		5.5	40		8.0	50		9.4	60		15	90		19	60	40	15	20	27	15'0"			
			30	3.6	4.9	30		5.5	35		6.3	60		9	60		11	70	10	10	35	20	7	9	14	12'0"
			40		5.5	40		6.9	40		6.9	70		11	70		13	80	20	7	9	14	12'0"			
			50		8.0	60		9.4	60		11.0	90		15	95		19	70	40	7	9	14	12'0"			
			20	4.8	5.5	25		6.5	35		8.3	55		12	85		17	60	20	12	17	23	16'0"			
	EF 450	Fluid Cap FC2 & Air Cap AC1002	8		3.2	10		3.6	15		4.6	35		8	50		11	25	3	13	15	20	11'0"			
			15		4.6	20		5.5	25		6.5	45		10	65		14	35	5	8	10	8	10	8'0"		
			20	4.8	5.5	25		6.5	35		8.3	55		12	85		17	45	20	13	17	24	14'0"			
EF 500	Fluid Cap FC2 & Air Cap AC1004	25		6.5	30		7.4	40		9.1	60		13	95		19	60	20	12	17	23	16'0"				
		30		8.0	40		9.4	60		11.0	90		15	95		19	60	30	13	17	24	16'0"				
		20	4.8	4.9	35		6.3	40		6.9	60		9	75		12	40	10	6	9	14	12'0"				
		25		5.5	40		6.9	50		8.0	70		11	80		13	40	20	7	10	15	13'0"				
		30		6.9	50		8.0	60		9.4	80		13	90		15	60	20	7	10	15	14'0"				
		40		8.0	60		9.4	70		11.0	90		15	95		19	75	40	7	9	14	17'0"				
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	40	10	18	23	32	13'0"				
		20	9.9	5.5	30		7.4	40		9.1	70		14	95		19	65	20	17	21	30	16'0"				
		25		6.5	35		8.3	45		10.0	80		16	100		21	80	20	15	20	26	19'0"				
		30		8.0	40		9.4	50		11.0	90		18	110		24	90	30	19	25	33	14'0"				
		40		11.0	60		14.0	80		18.0	100		24	120		31	100	40	22	31	31	18'0"				
EF 600	Fluid Cap FC1 & Air Cap AC1004	15		3.6	15		4.6	25		6.5	45		10	75		15	30	5	16	22	30	11'0"				
		20		4.6	20		5.5	30		7.4	50		11	85		17	40	10	18	23	32	13'0"				
		25	9.9	5.5	30		7.4	40		9.1	70		14	95		19	65	20	17	21	30	16'0"				
		30		6.5	35		8.3	45		10.0	80		16	100		21	80	20	15	20	26	19'0"				
		35		8.0	40		9.4	50		11.0	90		18	110		24	90	30	19	25	33	14'0"				
		40		11.0	60		14.0	80		18.0	100		24	120		31	100	40	22	31	31	18'0"				
EF 650	Fluid Cap FC8 & Air Cap AC1005	25		3.6	15		4.6	25		6.5	45		10	75		15	30	5	16	22	30	11'0"				
		30		4.6	20		5.5	30		7.4	50		11	85		17	40	10	18	23	32	13'0"				
		35	10.0	5.5	30		7.4	40		9.1	70		14	95		19	65	20	17	21	30	16'0"				
		40		6.5	35		8.3	45		10.0	80		16	100		21	80	20	15	20	26	19'0"				
		45		8.0	40		9.4	50		11.0	90		18	110		24	90	30	19	25	33	14'0"				
		60		11.0	60		14.0	80		18.0	100		24	120		31	100	40	22	31	31	18'0"				
EF 700	Fluid Cap FC9 & Air Cap AC1005	25		3.6	15		4.6	25		6.5	45		10	75		15	30	5	16	22	30	11'0"				
		30		4.6	20		5.5	30		7.4	50		11	85		17	40	10	18	23	32	13'0"				
		35	17.4	5.5	30		7.4	40		9.1	70		14	95		19	65	20	17	21	30	16'0"				
		40		6.5	35		8.3	45		10.0	80		16	100		21	80	20	15	20	26	19'0"				
		45		8.0	40		9.4	50		11.0	90		18	110		24	90	30	19	25	33	14'0"				
		70		11.0	60		14.0	80		18.0	100		24	120		31	100	40	22	31	31	18'0"				
EF 750	Fluid Cap FC5 & Air Cap AC1005	40		3.6	15		4.6	25		6.5	45		10	75		15	30	5	16	22	30	11'0"				
		45		4.6	20		5.5	30		7.4	50		11	85		17	40	10	18	23	32	13'0"				
		50	27.9	5.5	30		7.4	40		9.1	70		14	95		19	65	20	17	21	30	16'0"				
		55		6.5	35		8.3	45		10.0	80		16	100		21	80	20	15	20	26	19'0"				
		65		8.0	40		9.4	50		11.0	90		18	110		24	90	30	19	25	33	14'0"				
		70		11.0	60		14.0	80		18.0	100		24	120		31	100	40	22	31	31	18'0"				

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.