

XAEF

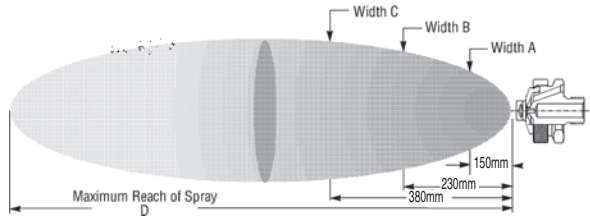
Pressure-fed/External Mix/Flat Fan

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" XA EF 150 E
XA 00 Body; E Hardware



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

XA EF Set-up Flow Rates and Dimensions

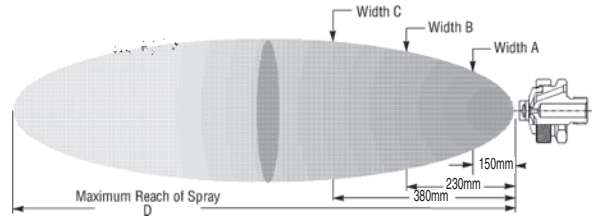
Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.2 Bar Liquid			0.3 Bar Liquid			0.7 Bar Liquid			1.5 Bar Liquid			3.0 Bar Liquid			Spray Dimensions						
			Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	air	Bar liquid	A (mm)	B (mm)	C (mm)	D (m)	
1/8 or 1/4	EF 050	Fluid Cap FC7 & Air Cap AC1001	0.4		1.32	0.4		1.32	0.4		1.50	0.6		1.68	0.7		2.04	0.4	0.3	200	280	330	1.2	
			0.4		1.50	0.4		1.50	0.6		1.68	0.7		2.04	1.1		2.70	0.6	0.7	230	300	400	1.8	
			0.5	3	1.62	0.6	4	1.68	0.7	5	2.04	1.1	8	2.70	1.8	11	3.72	1.1	1.5	280	350	460	1.8	
			0.6		1.68	0.7		2.04	0.9		2.40	1.4		3.24	2.5		4.74	1.1	1.5	280	350	460	1.8	
																			1.1	1.5	280	350	460	1.8
																			1.4	2.0	300	380	510	2.7
	EF 100	Fluid Cap FC7 & Air Cap AC1003	0.2		1.51	0.4		1.58	0.7		1.87	1.4		2.72	2.8		4.38	0.2	0.2	90	150	230	0.9	
			0.4		1.58	0.7		1.87	1.1		2.38	1.8		3.23	3.5		5.10	1.1	0.2	90	150	230	1.2	
			0.7	3	1.87	1.1	4	2.38	1.4	5	2.72	2.1	8	3.57	4.2	11	6.12	1.4	0.4	100	150	230	1.2	
			1.1		2.38	1.4		2.72	1.8		3.23	2.8		4.42	4.9		7.14	1.4	1.4	120	180	250	1.5	
			1.4		2.72	1.8		3.23	2.1		3.56	3.5		5.10	5.3		7.65	1.8	0.7	120	150	240	1.5	
			1.8		3.23	2.1		3.56	2.8		4.42	4.2		6.12	6.3		8.34	2.8	1.4	130	180	280	1.8	
EF 150	Fluid Cap FC4 & Air Cap AC1001	0.4		1.32	0.4		1.32	0.6		1.68	0.7		2.04	1.1		2.70	0.7	0.3	280	330	400	1.5		
		0.6		1.68	0.7		2.04	0.7		2.04	1.4		3.24	1.4		3.24	0.7	1.5	300	380	480	2.1		
		0.7	5	2.04	1.1	6	2.70	1.4	8	3.24	2.1	12	4.26	2.1	17	4.26	1.4	1.5	350	430	560	2.4		
		1.1		2.70	1.4		3.24	2.1		4.26	2.5		4.74	2.5		4.74	1.8	2.0	380	460	580	2.7		
																	1.8	3.0	410	480	660	2.9		
EF 200	Fluid Cap FC4 & Air Cap AC1003	0.4		1.58	0.7		1.87	1.1		2.38	1.8		3.23	3.5		4.92	0.4	0.2	80	140	220	1.0		
		0.7		1.87	1.1		2.38	1.4		2.72	2.1		3.56	3.5		5.10	1.4	0.2	90	150	220	1.7		
		1.1	5	2.38	1.4	6	2.72	1.8	8	3.23	2.8	12	4.42	4.2	17	6.12	1.8	0.4	100	170	230	1.8		
		1.4		2.72	1.8		3.23	2.1		3.56	3.5		5.10	4.9		7.14	1.8	1.4	130	190	290	2.1		
		1.8		3.23	2.1		3.56	2.8		4.42	4.2		6.12	6.3		7.62	2.1	0.7	130	180	250	1.8		
		2.1		3.56	2.8		4.42	3.5		5.10	4.9		7.14	6.3		9.54	3.5	1.4	130	220	300	2.4		
EF 250	Fluid Cap FC3 & Air Cap AC1001	0.4		1.50	0.4		1.50	0.4		1.50	0.7		2.04	1.4		3.24	0.6	0.3	350	480	610	1.8		
		0.5		1.65	0.6		1.68	0.6		1.68	0.9		2.40	1.8		3.72	0.6	0.7	350	480	630	1.5		
		0.6	9	1.68	0.7	10	1.86	0.7	16	2.04	1.1	23	2.70	2.1	33	4.26	0.7	1.5	380	480	630	1.8		
		0.7		2.04	0.7		2.04	0.9		2.40	1.4		3.24	2.5		4.74	1.1	1.5	410	510	660	2.1		
																	1.4	1.5	430	530	660	2.4		
																	1.8	2.0	410	510	690	2.7		
EF 300	Fluid Cap FC3 & Air Cap AC1003	0.7		1.87	1.1		2.38	1.4		2.72	2.5		4.08	3.5		5.10	0.7	0.2	130	170	250	1.2		
		1.1		2.38	1.4		2.72	1.8		3.23	2.8		4.42	4.2		6.12	1.8	0.2	130	170	250	1.8		
		1.4		2.72	1.8		3.23	2.1		3.56	3.5		5.10	4.9		7.14	2.1	0.4	130	180	240	1.8		
		1.8	9	3.23	2.1	10	3.56	2.8	16	4.42	4.2	23	6.12	5.3	33	7.62	2.5	1.4	140	200	320	1.8		
		2.1		3.56	2.8		4.42	3.5		5.10	4.9		7.14	5.6		8.34	2.8	0.7	140	190	300	2.3		
		2.8		4.42	3.5		5.10	4.2		6.12	5.6		8.34	6.3		9.54	4.2	1.4	140	200	360	3.0		
3.5		5.10	4.2		6.12	4.9		7.14	6.3		9.54	7.0		10.56	5.3	2.8	170	200	300	4.0				

Standard Materials: Nickel-plated Brass, 303 Stainless Steel, and 316 Stainless Steel

AIR ATOMIZING

TO ORDER: specify pipe size, body style, spray set-up #, hardware and mounting assemblies, and material. See page 78.



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, BSP or NPT

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.2 Bar Liquid			0.3 Bar Liquid			0.7 Bar Liquid			1.5 Bar Liquid			3.0 Bar Liquid			Spray Dimensions						
			Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	air	liquid	A (mm)	B (mm)	C (mm)	D (m)	
1/8 OR 1/4	EF 350	Fluid Cap FC6 & Air Cap AC1002	0.6		5.46	0.7		6.12	1.4		9.36	2.1		12.6	3.2		17.1	1.4	0.3	330	380	480	3.8	
			0.7		6.12	1.1		7.80	2.1		12.6	2.8		15.6	4.2		21.6	2.1	0.7	330	400	560	4.3	
			1.1	13	7.80	1.8		11.0	2.5		14.1	3.5		18.6	5.3		25.8	3.2	1.5	380	480	660	4.6	
	1.4			9.36	2.1		12.6	2.8		15.6	4.2		21.6	5.6		27.3	3.9	2.0	410	510	690	4.6		
	EF 400		Fluid Cap FC6 & Air Cap AC1004	0.7		5.10	1.0		6.12	1.4		6.96	2.5		10.7	3.2		12.7	0.7	0.2	130	190	250	1.7
				1.0		6.12	1.4		6.96	1.8		8.34	2.8		11.7	3.5		13.9	1.8	0.2	130	190	250	2.7
		1.4		13	6.96	1.8		8.34	2.1		9.36	3.5		13.6	3.9		15.3	2.1	0.4	150	190	280	3.0	
		1.8			8.34	2.1		9.36	2.5		10.7	4.2		16.0	4.2		16.5	2.5	0.7	150	220	280	3.5	
		2.1			9.36	2.8		11.7	2.8		11.7	4.9		18.7	4.9		18.8	2.5	1.4	170	230	360	3.7	
		2.8			11.7	3.5		13.6	3.5		13.6	5.6		21.6	5.6		21.6	4.2	1.4	170	230	370	4.3	
	1/8 OR 1/4	EF 450	Fluid Cap FC2 & Air Cap AC1002	0.6		5.46	0.7		6.12	1.1		7.80	2.5		14.1	3.5		18.6	1.1	0.2	330	380	510	3.5
				1.1		7.80	1.4		9.36	1.8		11.0	3.2		17.1	4.6		22.8	1.8	0.7	350	480	640	3.0
1.4				18	9.36	1.8		11.0	2.5		14.1	3.9		19.8	6.0		28.5	3.2	1.5	380	460	640	3.8	
1.8				11.0	2.1		12.6	2.8		15.6	4.2		21.6	6.7		31.5	4.2	1.5	300	430	580	4.9		
EF 500		Fluid Cap FC2 & Air Cap AC1004		0.7		5.10	1.4		6.96	1.8		8.34	2.8		11.7	3.5		13.9	0.7	0.4	150	190	270	2.1
				1.0		6.12	1.8		8.34	2.1		9.36	3.2		12.7	4.2		16.5	1.8	0.7	150	190	270	3.0
			1.4	18	6.96	2.1		9.36	2.5		10.7	3.5		13.6	4.9		18.8	2.5	1.4	150	220	330	3.4	
			1.8		8.34	2.5		10.7	2.8		11.7	4.2		16.0	5.3		20.4	2.8	1.4	150	220	360	3.8	
			2.1		9.36	2.8		11.7	3.5		13.6	4.9		18.7	5.6		21.6	2.8	1.4	170	250	370	4.0	
			2.8		11.7	3.5		13.6	4.2		16.0	5.6		21.6	6.3		24.7	4.2	2.1	170	250	370	4.9	
1/8 OR 1/4		EF 550	Fluid Cap FC1 & Air Cap AC1002	0.7		6.12	1.1		7.80	1.8		11.0	3.2		17.1	5.3		25.8	2.1	0.3	400	560	760	3.0
				1.1		7.80	1.4		9.36	2.1		12.6	3.5		18.6	6.0		28.5	2.8	0.7	460	580	810	4.0
	1.4			36	9.36	2.1		12.6	2.8		15.6	4.9		24.3	6.7		31.5	4.6	1.5	430	530	760	4.9	
	1.8			11.0	2.5		14.1	3.2		17.1	5.9		27.3	7.0		33.0	5.6	1.5	380	510	660	5.8		
	EF 600	Fluid Cap FC1 & Air Cap AC1004		1.0		6.12	1.8		8.34	2.5		10.7	3.2		12.7	3.9		15.3	1.0	0.2	150	200	250	2.7
				1.4		6.96	2.1		9.36	2.8		11.7	3.5		13.6	4.2		16.5	2.1	0.2	150	220	290	3.0
			1.8	36	8.34	2.5		10.7	3.2		12.7	3.9		14.8	4.6		17.8	2.8	0.4	180	240	360	3.5	
			2.1		9.36	2.8		11.7	3.5		13.6	4.2		16.0	4.9		18.8	3.2	1.4	200	280	390	3.7	
			2.5		10.7	3.2		12.7	4.2		16.0	4.9		18.7	5.6		21.6	3.5	0.7	190	270	380	4.0	
			2.8		11.7	3.5		13.6	4.9		18.7	5.6		21.6	6.3		24.7	4.2	1.4	200	280	390	4.3	
	1/8 OR 1/4	EF 650	Fluid Cap FC8 & Air Cap AC1005	1.8		14.1	1.8		14.1	2.5		18.0	3.9		24.6			1.8	0.2	150	200	290	3.0	
				2.1		15.6	2.1		15.6	2.8		19.8	4.2		26.7			2.8	0.2	150	200	300	3.4	
2.5				36	18.0	2.5		18.0	3.2		21.3	4.6		28.8			2.8	0.3	150	200	300	4.0		
2.8				19.8	2.8		19.8	3.5		22.8	4.9		31.2			3.5	0.7	170	220	320	4.3			
3.2				21.3	3.2		21.3	3.9		24.6	5.3		33.9			3.9	1.5	170	220	340	4.6			
3.5				22.8	3.5		22.8	4.2		26.7	5.6		36.0			4.2	1.0	170	230	330	4.7			
EF 700		Fluid Cap FC9 & Air Cap AC1005	2.1		15.6	2.8		19.8	3.9		24.6	4.9		31.2			2.1	0.2	170	240	340	3.5		
			2.5		18.0	3.2		21.3	4.2		26.7	5.3		33.9			3.2	0.2	180	240	360	4.3		
			2.8	64	19.8	3.5		22.8	4.6		28.8	5.6		36.0			3.9	0.3	180	250	360	4.9		
			3.2		21.3	3.9		24.6	4.9		31.2	6.0		38.4			4.9	0.7	180	250	360	5.5		
			3.5		22.8	4.2		26.7	5.3		33.9	6.3		41.1			4.9	1.5	200	250	380	5.5		
			4.2		26.7	4.9		31.2	5.6		36.0	6.3		41.1			5.3	1.0	180	250	380	5.8		
1/8 OR 1/4	EF 750	Fluid Cap FC5 & Air Cap AC1005	2.8		19.8	3.5		22.8	4.6		28.8	5.6		36.0			2.8	0.2	190	250	360	4.6		
			3.2		21.3	3.9		24.6	4.9		31.2	6.0		38.4			3.9	0.2	200	250	370	4.9		
			3.5	102	22.8	4.2		26.7	5.3		33.9	6.3		41.1			4.6	0.3	200	250	370	5.2		
	3.9			24.6	4.6		28.8	5.6		36.0	6.3		41.1			5.3	0.7	220	270	380	5.5			
	4.2			26.7	4.9		31.2	6.0		38.4	6.3		41.1			5.6	1.0	220	270	410	5.5			
	4.6			28.8	5.3		33.9	6.3		41.1	6.3		41.1			5.6	1.5	220	270	410	5.8			
	Standard Materials: Nickel-plated Brass, 303 Stainless Steel, and 316 Stainless Steel	EF 750	Fluid Cap FC5 & Air Cap AC1005	4.9		31.2	5.6		36.0	6.3		41.1	6.3		41.1			6.0	1.5	220	270	410	6.1	

AIR ATOMIZING

CALL 413-772-0846
 Call for the name of your nearest BETE representative.