

XAEF

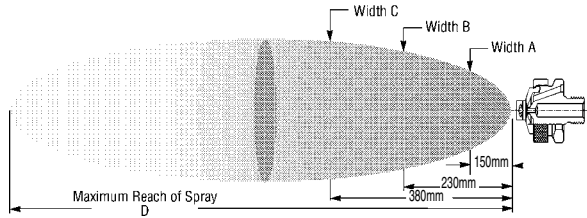
Pressure-fed/External Mix/Flat Fan

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



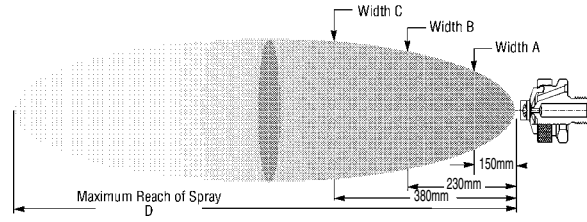
Dimensions are approximate. Check with BETE for critical dimension applications.

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	liquid	A (mm)	B (mm)	C (mm)	D (m)		
1/8	EF 050	Fluid Cap FC7 & Air Cap AC1001	0.4	3	1.32	0.4	1.32	0.4	1.50	0.6	1.68	0.7	2.04	1.1	2.70	1.1	3.72	1.4	4.74	0.4	0.3	200	280	330	1.2
			0.4		0.4	1.50	0.4	1.50	0.6	1.68	0.7	2.04	1.1	2.70	1.1	3.72	1.4	4.74	0.6	0.7	230	300	400	1.8	
			0.5		0.6	1.62	0.6	1.68	0.7	2.04	0.9	2.40	1.1	2.70	1.8	3.72	1.4	4.74	0.6	1.5	280	350	460	1.8	
			0.6		0.6	1.68	0.7	2.04	0.9	2.40	1.1	2.70	1.8	3.72	1.8	4.74	1.1	2.0	280	350	460	2.6			
			0.6		0.6	1.68	0.7	2.04	0.9	2.40	1.1	2.70	1.8	3.72	1.8	4.74	1.1	2.0	280	350	460	2.6			
			0.6		0.6	1.68	0.7	2.04	0.9	2.40	1.1	2.70	1.8	3.72	1.8	4.74	1.1	2.0	280	350	460	2.6			
1/8	EF 100	Fluid Cap FC7 & Air Cap AC1003	0.2	3	1.51	0.4	1.58	0.7	1.87	1.4	2.38	1.8	3.23	2.8	4.42	4.9	7.14	1.4	1.4	90	150	230	0.9		
			0.4		0.7	1.58	0.7	1.87	1.1	2.38	1.4	2.72	2.1	3.57	4.2	6.12	1.1	0.2	90	150	230	1.2			
			0.7		1.1	2.38	1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	5.3	7.14	1.4	1.4	120	180	250	1.5			
			1.1		1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	5.3	7.14	5.3	7.65	1.8	0.7	120	150	240	1.5			
			1.4		1.8	3.23	2.1	3.56	2.8	4.42	4.2	5.10	5.6	6.12	5.6	8.34	2.8	1.4	130	180	280	1.8			
			2.1		2.1	3.56	2.8	4.42	3.5	5.10	5.6	6.12	6.3	8.34	6.3	9.54	4.9	2.8	150	180	240	2.4			
1/8	EF 150	Fluid Cap FC4 & Air Cap AC1001	0.4	5	1.32	0.4	1.32	0.6	1.68	0.7	2.04	1.4	2.70	1.1	3.24	1.4	4.26	2.1	4.74	0.7	0.3	280	330	400	1.5
			0.6		0.7	1.68	0.7	2.04	0.7	2.04	1.4	2.70	1.1	3.24	1.4	4.26	2.1	4.74	0.7	1.5	380	460	580	1.8	
			0.7		1.1	2.04	1.1	2.70	1.4	3.24	2.1	4.26	2.5	4.74	2.5	6.12	2.1	3.0	350	430	560	2.4			
			1.1		1.1	2.70	1.4	3.24	2.1	4.26	2.5	5.10	5.6	6.12	6.3	8.34	2.8	3.0	350	430	560	3.0			
			1.1		1.1	2.70	1.4	3.24	2.1	4.26	2.5	5.10	5.6	6.12	6.3	8.34	2.8	3.0	350	430	560	3.0			
			1.1		1.1	2.70	1.4	3.24	2.1	4.26	2.5	5.10	5.6	6.12	6.3	8.34	2.8	3.0	350	430	560	3.0			
1/4	EF 200	Fluid Cap FC4 & Air Cap AC1003	0.4	5	1.58	0.7	1.87	1.1	2.38	1.4	2.72	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	0.4	0.2	80	140	220	1.0
			0.7		1.1	2.38	1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	1.4	0.2	90	150	220	1.7	
			1.1		1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	0.4	100	170	230	1.8	
			1.4		1.8	3.23	2.1	3.56	2.8	4.42	4.2	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	1.4	130	190	290	2.1	
			1.8		2.1	3.56	2.8	4.42	3.5	5.10	4.9	7.14	6.3	9.54	6.3	9.54	6.3	9.54	2.1	0.7	130	180	250	1.8	
			2.1		2.8	4.42	3.5	5.10	4.2	5.10	4.2	5.10	4.9	7.14	6.3	9.54	6.3	9.54	2.1	1.4	130	220	300	2.4	
1/4	EF 250	Fluid Cap FC3 & Air Cap AC1001	0.4	9	1.50	0.4	1.50	0.4	1.50	0.7	2.04	1.4	2.70	1.1	3.24	1.4	4.26	2.1	4.74	0.6	0.3	350	480	610	1.8
			0.5		0.6	1.65	0.6	1.68	0.6	1.68	0.9	2.40	1.1	3.24	1.4	4.26	2.1	4.74	0.6	0.7	350	480	630	1.5	
			0.6		0.7	1.68	0.7	1.86	0.7	2.04	0.9	2.40	1.1	3.24	1.4	4.26	2.1	4.74	1.1	1.5	380	480	630	1.8	
			0.7		0.7	2.04	0.7	2.04	0.9	2.40	0.9	2.40	1.1	3.24	1.4	4.26	2.1	4.74	1.1	1.5	410	510	660	2.1	
			0.7		0.7	2.04	0.7	2.04	0.9	2.40	0.9	2.40	1.1	3.24	1.4	4.26	2.1	4.74	1.1	1.5	410	510	660	2.1	
			0.7		0.7	2.04	0.7	2.04	0.9	2.40	0.9	2.40	1.1	3.24	1.4	4.26	2.1	4.74	1.1	1.5	410	510	660	2.1	
1/4	EF 300	Fluid Cap FC3 & Air Cap AC1003	0.7	9	1.87	1.1	2.38	1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	0.7	0.2	130	170	250	1.2
			1.1		1.4	2.38	1.4	2.72	1.8	3.23	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	1.1	0.2	130	170	250	1.8	
			1.4		1.8	2.72	1.8	3.23	2.1	3.56	3.5	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	0.4	130	180	240	1.8	
			1.8		2.1	3.23	2.1	3.56	2.8	4.42	4.2	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	0.7	140	200	320	1.8	
			2.1		2.8	3.56	2.8	4.42	3.5	5.10	4.2	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	1.4	140	190	300	2.3	
			2.8		3.5	4.42	3.5	5.10	4.2	5.10	4.2	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	1.4	140	200	360	3.0	
3.5	3.5	5.10	4.2	5.10	4.2	5.10	4.2	5.10	4.9	7.14	6.3	9.54	4.9	7.14	1.8	2.8	170	200	300	4.0					

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



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 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	13	6.12	1.1	16	7.80	2.1	25	12.6	2.8	37	15.6	4.2	52	21.6	2.1	0.7	330	400	560	4.3		
			1.1		7.80	1.8	11.0	2.5	14.1	3.5	18.6	5.3	25.8	4.2	1.5	380	480	660	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	1.1	0.2	330	380	510	3.5		
			1.0	13	6.12	1.4	16	6.96	1.8	25	8.34	2.1	37	9.36	3.5	52	13.6	2.1	0.4	130	190	250	2.7		
			1.4		6.96	1.8	8.34	2.1	9.36	2.5	10.7	3.5	13.6	3.9	15.3	2.1	0.4	150	190	280	3.0				
	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	18	7.80	1.4	22	9.36	1.8	33	11.0	2.5	48	17.1	4.6	68	22.8	2.5	1.5	380	460	640	3.8		
			1.4		9.36	1.8	11.0	2.1	12.6	2.8	15.6	4.2	19.8	6.0	28.5	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	18	6.12	1.8	22	8.34	2.1	33	9.36	2.5	48	10.7	3.5	68	12.7	4.2	0.7	150	190	270	3.0		
			1.4		6.96	2.1	8.34	2.5	10.7	2.8	11.7	3.5	13.6	4.9	18.7	5.6	21.6	6.3	2.5	1.4	150	220	330	3.4	
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	36	7.80	1.4	45	9.36	2.1	68	12.6	3.5	100	18.6	6.0	141	28.5	3.2	1.5	480	580	790	4.3			
		1.4		9.36	2.1	12.6	2.8	15.6	4.9	17.1	5.9	24.3	6.7	31.5	5.6	1.5	430	530	760	4.9					
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	36	6.96	2.1	45	9.36	2.8	68	11.7	3.5	100	13.6	4.2	141	16.5	2.1	0.2	150	220	290	3.0			
		1.8		8.34	2.5	10.7	3.2	12.7	3.9	13.6	4.2	16.0	4.9	18.7	5.6	21.6	6.3	2.8	0.4	180	240	360	3.5		
EF 650	Fluid Cap FC8 & Air Cap AC1005	2.1		15.6	2.8		19.8	3.9		24.6	4.9		31.2	6.3		41.1	1.8	0.2	150	200	290	3.0			
		2.5	36	15.6	2.1	45	15.6	2.8	68	18.0	3.9	100	19.8	4.2	141	26.7	2.8	0.2	150	200	300	3.4			
		2.8		18.0	2.5	18.0	3.2	21.3	4.6	24.6	5.3	28.8	6.3	33.9	6.3	36.0	7.0	0.3	150	200	300	4.0			
EF 700	Fluid Cap FC9 & Air Cap AC1005	2.8		19.8	3.5		22.8	4.6		28.8	5.6		36.0	7.0		41.1	2.1	0.2	170	240	340	3.5			
		3.2	64	21.3	3.9	78	22.8	4.6	119	24.6	4.9	175	31.2	6.0	241	38.4	3.9	0.3	180	240	360	4.3			
		3.5		22.8	4.2	26.7	5.3	33.9	6.3	36.0	7.0	41.1	8.0	46.0	8.0	49.0	9.0	0.7	180	250	360	5.5			
EF 750	Fluid Cap FC5 & Air Cap AC1005	2.8		19.8	3.5		22.8	4.6		28.8	5.6		36.0	7.0		41.1	2.8	0.2	190	250	360	4.6			
		3.2	102	21.3	3.9	125	24.6	4.9	192	26.7	5.3	280	31.2	6.0	384	41.1	3.9	0.2	200	250	370	4.9			
		3.5		22.8	4.2	26.7	5.3	33.9	6.3	36.0	7.0	41.1	8.0	46.0	8.0	49.0	9.0	0.3	200	250	370	5.2			
EF 750	Fluid Cap FC5 & Air Cap AC1005	3.9		24.6	4.6		28.8	5.6		36.0	7.0		41.1	8.0		46.0	5.3	0.7	220	270	380	5.5			
		4.2		26.7	4.9	31.2	6.0	38.4	7.0	41.1	8.0	46.0	8.0	49.0	9.0	5.6	1.0	220	270	410	5.5				
		4.6		28.8	5.3	33.9	6.3	36.0	7.0	41.1	8.0	46.0	8.0	49.0	9.0	5.6	1.5	220	270	410	5.8				
EF 750	Fluid Cap FC5 & Air Cap AC1005	4.9		31.2	5.6		36.0	7.0		41.1	8.0		46.0	8.0		49.0	6.0	1.5	220	270	410	6.1			

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