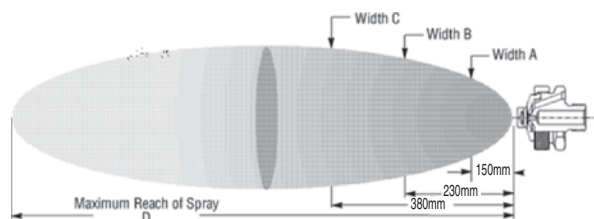


XA EF

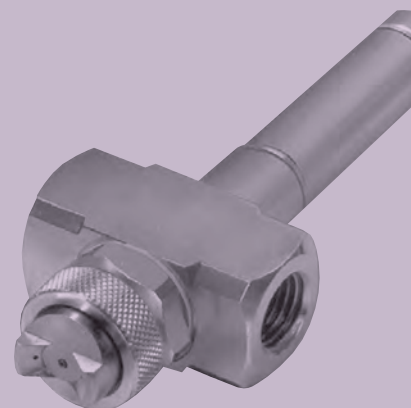
Pressure-fed/External Mix/Flat Fan

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

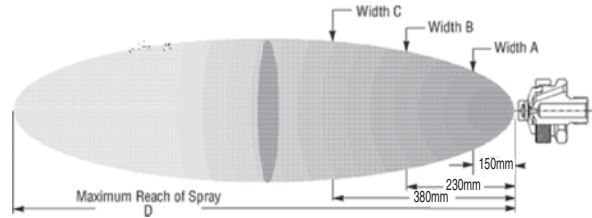
XA EF Set-up Flow Rates and Dimensions

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	Bar 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	4	1.32	0.4	5	1.50	0.6	8	1.68	0.7	11	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	0.6		0.7	230	300	400	1.8		
			0.5		1.62	0.6		1.68	0.7		2.04	0.9		2.40	1.1		1.4	2.70	1.8	2.5	4.74	1.1	1.5
			0.6	1.68	0.7	2.04	0.9	2.40	1.4	3.24	2.5	4.74	1.1	1.5	250	300	410	2.4					
			1.1	2.0	2.80	350	480	2.6															
			1.4	3.0	300	380	510	2.7															
	EF 100	Fluid Cap FC7 & Air Cap AC1003	0.2	3	1.51	0.4	4	1.58	0.7	5	1.87	1.4	8	2.72	2.8	11	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		1.87	1.1		2.38	1.4		2.72	2.1		3.57	4.2		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	5.6	8.34	2.8	1.4	130	180	280	1.8					
2.1	3.56	2.8	4.42	3.5	5.10	5.6	8.34	6.3	9.54	4.9	2.8	150	180	240	2.4								
1/4	EF 150	Fluid Cap FC4 & Air Cap AC1001	0.4	5	1.32	0.4	6	1.32	0.6	8	1.68	0.7	12	2.04	1.1	17	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	380	460	580	1.8
			0.7		2.04	1.1		2.70	1.4		3.24	2.1		4.26	2.1		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															
			2.9																				
	EF 200	Fluid Cap FC4 & Air Cap AC1003	0.4	5	1.58	0.7	6	1.87	1.1	8	2.38	1.8	12	3.23	3.2	17	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	230	1.7
			1.1		2.38	1.4		2.72	1.8		3.23	2.8		4.42	4.2		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	5.3	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					
2.8	4.42	3.5	5.10	4.2	6.12	6.3	9.54	6.7	9.84	5.3	2.8	150	190	250	3.0								
1/8	EF 250	Fluid Cap FC3 & Air Cap AC1001	0.4	9	1.50	0.4	10	1.50	0.4	16	1.50	0.7	23	2.04	1.4	33	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		1.68	0.7		2.04	0.7		2.04	1.1		2.70	2.1		4.26	1.1	1.5	410	510	660	2.1
			0.7	2.04	0.7	2.04	0.9	2.40	1.4	3.24	2.5	4.74	1.4	1.5	430	530	660	2.4					
			1.8	2.0	410	510	690	2.7															
			2.1	3.0	410	510	690	2.9															
	EF 300	Fluid Cap FC3 & Air Cap AC1003	0.7	9	1.87	1.1	10	2.38	1.4	16	2.72	2.5	23	4.08	3.5	33	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	3.23	2.1	3.56	2.8	4.42	4.2	6.12	5.3	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, 304 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	13	5.46	0.7	16	6.12	1.4	25	9.36	2.1	37	12.6	3.2	52	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		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
			0.7		5.10	1.0		6.12	1.4		6.96	1.8		8.34	2.8		10.7	3.2	12.7	0.7	0.2	130	190
	EF 400	Fluid Cap FC6 & Air Cap AC1004	1.4	13	6.96	1.8	16	8.34	2.1	25	9.36	3.5	37	13.6	3.9	52	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
			3.5		13.6	4.2		16.0	4.2		16.0	6.3		24.7	6.3		24.7	4.9	2.8	170	220	320	4.9
	EF 450	Fluid Cap FC2 & Air Cap AC1002	0.6	18	5.46	0.7	22	6.12	1.1	33	7.80	2.5	48	14.1	3.5	68	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	2.5	1.5	380	460	640	3.8
			1.4		9.36	1.8		11.0	2.5		14.1	3.9		19.8	6.0		28.5	3.2	1.5	330	430	610	4.3
			1.8		11.0	2.1		12.6	2.8		15.6	4.2		21.6	6.7		31.5	4.2	2.0	330	430	610	5.2
																		4.9	3.0	330	430	600	4.0
	EF 500	Fluid Cap FC2 & Air Cap AC1004	0.7	18	5.10	1.4	22	6.96	1.8	33	8.34	2.8	48	11.7	3.5	68	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			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	
EF 550	Fluid Cap FC1 & Air Cap AC1002	2.8	36	11.7	3.5	45	13.6	4.2	68	16.0	5.6	100	21.6	6.3	141	24.7	4.2	2.1	170	250	370	4.9	
		3.5		13.6	4.2		16.0	4.9		18.7	5.6		21.6	6.3		25.7	5.3	2.8	180	230	360	5.8	
		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	3.2	1.5	460	580	810	4.0	
		1.4		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	
EF 600	Fluid Cap FC1 & Air Cap AC1004	1.8	36	11.0	2.5	45	14.1	3.2	68	17.1	5.9	100	27.3	7.0	141	33.0	5.6	1.5	380	510	660	5.8	
																	3.9	2.0	480	640	840	4.3	
																	6.3	3.0	410	560	790	5.8	
		1.0		6.12	1.8		8.34	2.5		10.7	3.2		12.7	4.2		16.5	1.8	0.7	150	190	270	3.0	
		1.4		6.96	2.1		9.36	2.5		10.7	3.5		13.6	4.2		16.0	2.5	1.4	150	220	330	3.4	
EF 650	Fluid Cap FC8 & Air Cap AC1005	2.1	36	14.1	1.8	45	15.6	2.8	68	18.0	3.9	100	24.6			26.7	2.8	0.2	150	200	300	3.4	
		2.5		18.0	2.5		21.3	4.6		28.8	3.5		31.2	4.7		28.8	0.3	150	200	300	4.0		
		2.8		19.8	2.8		22.8	4.9		31.2	5.3		39.9	0.7		170	220	320	4.3				
		3.2		21.3	3.2		24.6	5.3		33.9	1.5		170	220		340	4.6						
		3.5		22.8	3.5		26.7	4.2		31.2	6.3		41.1	1.0		170	230	330	4.7				
EF 700	Fluid Cap FC9 & Air Cap AC1005	4.2	64	26.7	4.9	78	26.7	4.9	119	31.2	5.6	175	36.0			41.1	1.5	1.70	230	340	5.5		
																	4.9	0.7	180	250	360	5.5	
																	4.9	1.5	200	250	380	5.5	
																	5.3	1.0	180	250	380	5.8	
																	5.6	1.5	200	250	380	6.1	
EF 750	Fluid Cap FC5 & Air Cap AC1005	2.8	102	19.8	3.5	125	22.8	4.6	192	28.8	5.6	280	36.0			41.1	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	0.2		200	250	370	4.9				
		3.5		22.8	4.2		26.7	5.3		33.9	6.3		41.1	0.3		200	250	370	5.2				
		3.9		24.6	4.6		28.8	5.6		36.0			41.1	0.7		220	270	380	5.5				
		4.2		26.7	4.9		31.2	6.0		38.4			41.1	1.0		220	270	410	5.5				
EF 750	Fluid Cap FC5 & Air Cap AC1005	4.6	102	28.8	5.3	125	33.9	6.3	192	41.1		280				41.1	5.6	1.5	220	270	410	5.8	
		4.9		31.2	5.6		36.0			41.1	1.5		220	270		410	6.1						

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

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