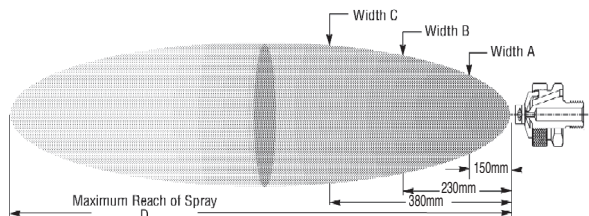


XA EF

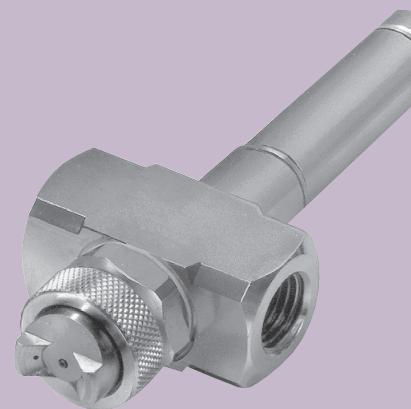
Pressure-fed/External Mix/Flat Fan

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.



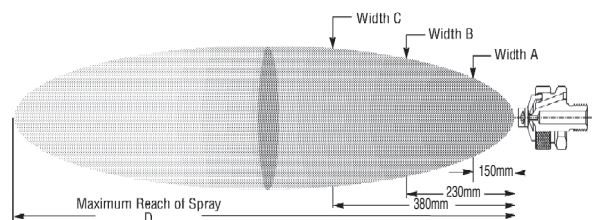
1/4" XA EF 150 E
XA 00 Body; E Hardware

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	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	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		2.70	0.6		1.5	280	300	400	1.8																			
			0.5		1.62	0.6		1.68	0.7		2.04	1.1		2.70	1.1		1.5	280	330	430	2.4																			
																								0.6	1.68	0.7	2.04	0.9	2.40	1.4	3.24	1.8	2.5	4.74	1.4	2.0	280	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	1.1	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																	
1/8 or 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	1.1	0.7	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																	
	EF 200	Fluid Cap FC4 & Air Cap AC1003	1.1	5	2.70	1.4	6	3.24	2.1	8	4.26	2.5	12	4.74	2.5	17	4.74	1.8	2.0	380	460	580	2.7																	
			0.4		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	1.8	1.4	130	190	290	2.1													
			0.7		1.87	1.1		2.38	1.4		2.72	1.8		3.23	2.8		4.42	4.2	6.12	5.3	7.62	2.1	0.7	130	180	250	1.8													
			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	3.5	1.4	130	220	300	2.4													
			1.4		2.72	1.8		3.23	2.8		4.42	4.2		6.12	6.3		9.54	6.7	9.84	5.3	2.8	150	190	250	3.0															
			2.1		3.56	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															
	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	0.7	1.5	380	480	630	1.8																	
			0.6		1.68	0.7		1.86	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	1.8	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, 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	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		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		380	480	660	4.6			
			1.4		9.36	2.1		12.6	2.8		15.6	4.2		21.6	5.6		420	510	690	4.6			
	EF 400	Fluid Cap FC6 & Air Cap AC1004	0.7	13	5.10	1.0	16	6.12	1.4	25	6.96	1.8	37	10.7	3.2	52	12.7	0.7	0.2	130	190	250	1.7
			1.0		6.12	1.4		6.96	1.8		8.34	2.1		11.7	3.5		13.9	1.8	0.2	130	190	250	2.7
			1.4		6.96	1.8		8.34	2.1		9.36	2.5		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
	EF 450	Fluid Cap FC2 & Air Cap AC1002	2.1	18	9.36	2.8	22	11.7	2.8	33	11.7	4.9	48	18.7	4.9	68	18.8	2.5	1.4	170	230	360	3.7
			2.8		11.7	3.5		13.6	5.6		21.6	4.2		1.4	170		230	370	4.3				
			3.5		13.6	4.2		16.0	6.3		24.7	6.3		24.7	4.9		2.8	170	220	320	4.9		
	EF 500	Fluid Cap FC2 & Air Cap AC1004	0.7	18	5.10	1.4	22	6.96	1.8	33	8.34	2.5	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
EF 550	Fluid Cap FC1 & Air Cap AC1002	2.1	36	9.36	2.8	45	11.7	3.5	68	13.6	4.9	100	18.7	5.6	141	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	
		3.5		13.6	4.2		16.0	4.9		18.7	6.3		24.7	6.6		25.7	5.3	2.8	180	230	360	5.8	
EF 600	Fluid Cap FC1 & Air Cap AC1004	0.7	36	6.12	1.8	45	8.34	2.5	68	10.7	3.2	100	12.7	3.9	141	15.3	2.1	0.3	400	560	760	3.0	
		1.4		6.96	2.1		8.34	2.5		10.7	3.5		13.6	4.2		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		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		18.7	3.2	1.4	200	280	390	3.7	
EF 650	Fluid Cap FC8 & Air Cap AC1005	2.5	36	10.7	3.2	45	12.7	4.2	68	16.0	4.9	100	18.7	5.6	141	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	
		3.5		13.6	4.2		16.0	5.6		21.6	6.3		24.7	7.0		27.2	5.6	2.8	180	240	380	5.9	
EF 700	Fluid Cap FC9 & Air Cap AC1005	1.8	64	14.1	1.8	78	14.1	2.5	119	18.0	3.9	175	24.6			18.8	2.8	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		18.0	2.5		18.0	3.2		21.3	4.6		28.8	3.5		0.7	170	220	320	4.3			
		2.8		19.8	2.8		19.8	3.5		22.8	4.9		31.2	6.3		33.9	3.9	1.5	170	220	340	4.6	
EF 750	Fluid Cap FC5 & Air Cap AC1005	3.2	102	21.3	3.9	125	24.6	4.9	192	31.2	6.0	280	38.4			39.9	4.2	1.0	170	230	330	4.7	
		3.5		22.8	4.2		26.7	5.3		33.9	6.3		41.1	4.9		1.5	170	230	340	5.5			
		3.9		24.6	4.6		28.8	5.6		36.0				49.9		1.5		170	230	340	5.5		
		4.2		26.7	4.9		31.2	6.0		38.4				56.1		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				56.1	1.5	220	270	410	5.8		
		4.9		31.2	5.6		36.0				6.0		1.5	220		270	410	6.1					

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