

XAEF

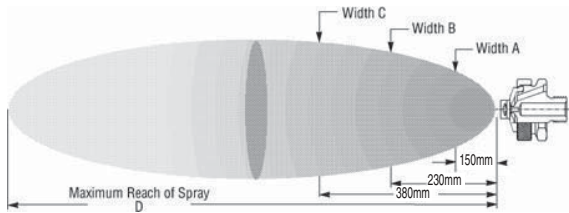
Pressure-fed/External Mix/Flat Fan

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



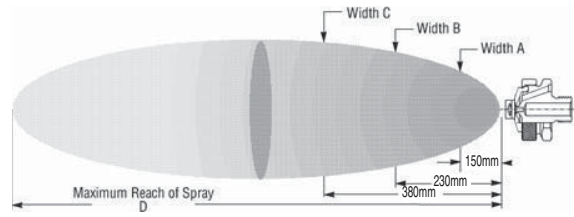
Dimensions are approximate. Check with BETE for critical dimension applications.

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	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
	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	3.23	2.8	8	4.42	4.9	11	6.12	1.4	0.4	100	150	230	1.2
1/4	EF 150	Fluid Cap FC4 & Air Cap AC1001	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	5	3.23	2.1	6	3.56	2.8	8	4.42	4.2	12	6.12	5.6	17	8.34	2.8	1.4	130	180	280	1.8
	EF 200	Fluid Cap FC4 & Air Cap AC1003	2.1		3.56	2.8		4.42	3.5		5.10	4.2		6.12	6.3		9.54	4.9	2.8	150	180	240	2.4
			0.4		1.58	0.7		1.87	1.1		2.38	1.8		3.23	3.2		4.92	0.4	0.2	80	140	220	1.0
			0.7		1.87	1.1		2.38	1.4		2.72	1.8		3.23	2.8		5.10	1.4	0.2	90	150	220	1.7
1/4	EF 250	Fluid Cap FC3 & Air Cap AC1001	1.1		2.38	1.4		2.72	1.8		3.23	2.8		4.42	4.2		6.12	1.8	1.4	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	0.4	100	170	230	1.8
			1.8	5	3.23	2.1	6	3.56	2.8	8	4.42	4.2	12	6.12	5.3	17	7.62	2.1	0.7	130	180	250	1.8
	EF 300	Fluid Cap FC3 & Air Cap AC1003	2.1		3.56	2.8		4.42	3.5		5.10	4.2		6.12	6.3		9.54	5.3	2.8	150	190	250	3.0
			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	0.7	0.7	350	480	630	1.5

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		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	16	11.0	2.5	25	14.1	3.5	37	18.6	5.3	52	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	1.8		8.34	2.5		10.7	3.2	0.2	130	190	250	1.7
			1.0		6.12	1.4		6.96	1.8		8.34	2.1		9.36	3.5		13.6	3.2	0.4	150	190	280	3.0
			1.4	13	8.34	2.1	16	9.36	2.5	25	10.7	2.8	37	16.0	4.2	52	18.8	2.5	1.4	170	230	360	3.7
	EF 450	Fluid Cap FC2 & Air Cap AC1002	0.6		5.46	0.7		6.12	1.1		7.80	1.8		9.36	2.5		11.7	1.1	0.2	330	380	510	3.5
			1.1		7.80	1.4		9.36	1.8		11.0	2.5		14.1	3.2		17.1	1.8	0.7	350	480	640	3.0
			1.4	18	9.36	1.8	22	11.0	2.5	33	14.1	3.9	48	19.8	6.0	68	28.5	4.2	1.5	380	460	640	3.8
	EF 500	Fluid Cap FC2 & Air Cap AC1004	0.7		5.10	1.4		6.96	1.8		8.34	2.1		9.36	2.8		11.7	0.7	0.4	150	190	270	2.1
			1.0		6.12	1.8		8.34	2.1		9.36	2.5		10.7	3.2		13.6	1.8	0.7	150	190	270	3.0
			1.4	18	8.34	2.5	22	10.7	2.8	33	11.7	4.2	48	16.0	5.3	68	20.4	2.8	1.4	150	220	360	3.8
EF 550	Fluid Cap FC1 & Air Cap AC1002	0.7		6.12	1.1		7.80	1.8		9.36	2.1		11.0	3.2		12.6	2.1	0.3	400	560	760	3.0	
		1.1		7.80	1.4		9.36	2.1		12.6	2.8		15.6	4.2		18.6	3.2	1.5	480	580	790	4.3	
		1.4	36	9.36	2.1	45	12.6	2.8	68	15.6	4.9	100	24.3	6.7	141	31.5	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	45	10.7	3.2	68	12.7	4.2	100	14.8	4.6	141	17.8	2.8	0.4	180	240	360	3.5	
EF 650	Fluid Cap FC8 & Air Cap AC1005	1.8		14.1	1.8		14.1	2.5		18.0	3.9		24.6	6.3		26.7	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	6.7		28.8	2.8	0.3	150	200	300	4.0	
		2.5	36	18.0	2.5	45	19.8	3.5	68	22.8	4.9	100	31.2	8.9		35.9	3.5	0.7	170	220	320	4.3	
EF 700	Fluid Cap FC9 & Air Cap AC1005	2.1		15.6	2.8		19.8	3.9		24.6	4.9		31.2	6.3		33.9	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	6.7		36.0	3.2	0.2	180	240	360	4.3	
		2.8	64	19.8	3.5	78	22.8	4.6	119	24.6	4.9	175	31.2	6.0		38.4	4.9	0.7	180	250	360	5.5	
EF 750	Fluid Cap FC5 & Air Cap AC1005	3.2		21.3	3.9		24.6	4.9		31.2	6.0		38.4	6.3		41.1	3.9	0.2	190	250	370	4.9	
		3.5		22.8	4.2		26.7	5.3		33.9	6.3		41.1	6.7		44.1	4.6	0.3	200	250	370	5.2	
		3.9	102	24.6	4.6	125	28.8	5.6	192	31.2	6.0	280	38.4	6.3		44.1	5.3	0.7	220	270	380	5.5	

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