



THE
SPRAY NOZZLE
PEOPLE

XAEF

Pressure-fed
External Mix
Flat Fan



AIR ATOMISING

DESIGN FEATURES

- ✓ Requires pressurised air and fluid to operate
- ✓ External mix allows for the spraying of viscous fluids
- ✓ Modular design allows swapping between nozzle type by changing air and fluid caps
- ✓ Different body options with variable inlet orientations
- ✓ Adaptor for mounting the nozzles through walls
- ✓ Optional air shut off system
- ✓ Optional clean out pins

SPRAY CHARACTERISTICS

- ✓ Moderate spray angle (60°- 90°)
- ✓ Precise metering of the liquid flow rate
- ✓ Flow rates between 3 and 280 litres per hour
- ✓ Moderate spray projection
- ✓ Variable atomisation



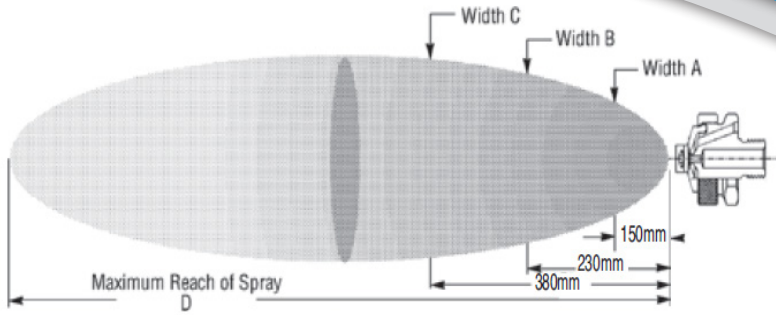
The XAEF air atomising nozzle produces finely atomised sprays in a flat fan pattern. The external mix design means that it can handle viscous fluids and also means control of the flow rates is simpler than with internal mix variants. These features mean the XAEF is most commonly used for:

Precision Coating
Drum Coating
Spraying Viscous fluids
Lubrication
Moistening
And more.

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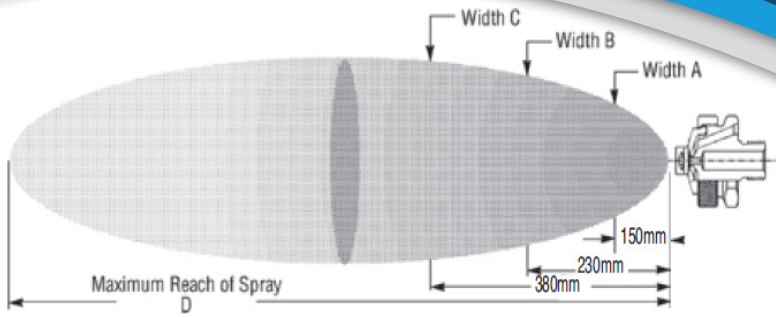
The Go-to People for spray nozzle solutions



XAEF Set-up Flow Rates and Dimensions

Pressure-fed, External Mix, Flat Fan Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT
Standard Materials: Nickel-plated Brass, 303 and 316 Stainless Steel

Set-up No	Fluid and air cap No.	0.2 Bar Liquid			0.3 Bar Liquid			0.7 Bar Liquid			1.5 Bar Liquid			3.0 Bar Liquid			Pressure (Bar)		Spray Dimensions				
		Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air	Liquid	A mm	B mm	C mm	D m	
EF050	FC7 & AC1001	0.4		1.32	0.4		1.32	0.4		1.5	0.6		1.68	0.7		2.04	0.4	0.3	200	280	330	1.2	
		0.4		1.5	0.4		1.5	0.6		1.68	0.7		2.04	1.1		2.7	0.6	0.7	230	300	400	1.8	
			3		4				5			8			11			0.6	1.5	280	350	460	1.8
		0.5		1.62	0.6		1.68	0.7		2.04	1.1		2.7	1.8		3.72	1.1	1.5	280	330	430	2.4	
		0.6		1.68	0.7		2.04	0.9		2.4	1.4		3.24	2.5		4.74	1.4	1.5	250	300	410	2.7	
																		1.1	2	280	350	480	2.6
																1.4	3	300	380	510	2.7		
EF100	FC7 & 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		5.1	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	3	2.38	1.4	4	2.72	1.8	5	3.23	2.8	8	4.42	4.9	11	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		5.1	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		5.1	5.6		8.34	6.3		9.54	4.9	2.8	150	180	240	2.4	
EF150	FC4 & AC1001	0.4		1.32	0.4		1.32	0.6		1.68	0.7		2.04	1.1		2.7	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	1.1	0.7	300	380	480	2.1	
			5		6				8			12			17			0.7	1.5	380	460	580	1.8
		0.7		2.04	1.1		2.7	1.4		3.24	2.1		4.26	2.1		4.26	1.4	1.5	350	430	560	2.4	
		1.1		2.7	1.4		3.24	2.1		4.26	2.5		4.74	2.5		4.74	2.5	1.5	330	400	510	3	
																1.8	2	380	460	580	2.7		
																1.8	3	410	480	660	2.9		
EF200	FC3 & AC1003	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	
		0.7		1.87	1.1		2.38	1.4		2.72	2.1		3.56	3.5		5.1	1.4	0.2	90	150	220	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	5	2.72	1.8	6	3.23	2.1	8	3.56	3.5	12	5.1	4.9	17	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		5.1	4.9		7.14	6.3		9.54	3.5	1.4	130	220	300	2.4	
		2.8		4.42	3.5		5.1	4.2		6.12	6.3		9.54	6.7		9.84	5.3	2.8	150	190	250	3	
EF250	FC3 & AC1001	0.4		1.5	0.4		1.5	0.4		1.5	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		2.4	1.8		3.72	0.6	0.7	350	480	630	1.5	
			9		10				16			23			33			0.7	1.5	380	480	630	1.8
		0.6		1.68	0.7		1.86	0.7		2.04	1.1		2.7	2.1		4.26	1.1	1.5	410	510	660	2.1	
		0.7		2.04	0.7		2.04	0.9		2.4	1.4		3.24	2.5		4.74	1.4	1.5	430	530	660	2.4	
																1.8	2	410	510	690	2.7		
																2.1	3	410	510	690	2.9		
EF300	FC3 & AC1003	0.7		1.87	1.1		2.38	1.4		2.72	2.5		4.08	3.5		5.1	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		5.1	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		5.1	4.9		7.14	5.6		8.34	2.8	0.7	140	190	300	2.3	
		2.8		4.42	3.5		5.1	4.2		6.12	5.6		8.34	6.3		9.54	4.2	1.4	140	200	360	3	
		3.5		5.1	4.2		6.12	4.9		7.14	6.3		9.54	7		10.56	5.3	2.8	170	200	300	4	
EF350	FC6 & 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		7.8	2.1		12.6	2.8		15.6	4.2		21.6	2.1	0.7	330	400	560	4.3	
			13		16				25			37			52			2.1	1.5	350	460	580	4
		1.1		7.8	1.8		11	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	4.2	1.5	380	480	640	5.2	
																3.9	2	410	510	690	4.6		



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		Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air bar	l/h	Nm ³ /hr	Air	Liquid	A mm	B mm	C mm	D m		
EF400	FC6 & AC1004	0.7		5.1	1	6.12	1.4	6.96	2.5	10.7	3.2	12.7	0.7	0.2	130	190	250	1.7						
		1		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		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						
		1.8	13	8.34	2.1	9.36	2.5	10.7	4.2	16	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	4.2	16	6.3	24.7	6.3	24.7	4.9	2.8	170	220	320	4.9						
EF450	FC2 & AC1002	0.6		5.46	0.7	6.12	1.1	7.8	2.5	14.1	3.5	18.6	1.1	0.2	330	380	510	3.5						
		1.1		7.8	1.4	9.36	1.8	11	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	2.5	14.1	3.9	19.8	6.0	28.5	2.5	1.5	380	460	640	3.8						
		1.8		11	2.1	12.6	2.8	15.6	4.2	21.6	6.7	31.5	3.2	1.5	330	430	610	4.3						
		4.9		3.0	330	430	600	4.0	4.9	3.0	330	430	600	4.0										
EF500	FC2 & AC1004	0.7		5.1	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		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	18	8.34	2.5	10.7	2.8	11.7	4.2	16	5.3	18.8	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	5.6	21.6	6.3	24.7	4.2	2.1	170	250	370	4.9						
EF550	FC1 & AC1002	0.7		6.12	1.1	7.8	1.8	11	3.2	17.1	5.3	25.8	2.1	0.3	400	560	760	3.0						
		1.1		7.8	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	3.2	1.5	480	580	790	4.3						
		1.8		11	2.5	14.1	3.2	17.1	5.9	27.3	7.0	33	4.6	1.5	430	530	760	4.9						
		6.3		3.0	410	560	790	5.8	6.3	3.0	410	560	790	5.8										
EF600	FC1 & AC1004	1		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		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	36	9.36	2.8	11.7	3.5	13.6	4.2	16	4.9	18.8	3.2	1.4	200	280	390	3.7						
		2.5		10.7	3.2	12.7	4.2	16	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						
EF650	FC8 & AC1005	1.8		14.1	1.8	14.1	2.5	18	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		18	2.5	18	3.2	21.3	4.6	28.8	2.8	0.3	150	200	300	4.0								
		2.8	36	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	4.2	1.0	170	230	330	4.7								
EF700	FC9 & AC1005	2.1		15.6	2.8	19.8	3.9	24.6	4.9	31.2	4.9	1.5	170	230	340	5.5								
		2.5		18	3.2	21.3	4.2	26.7	5.3	33.9	2.1	0.2	180	240	360	4.3								
		2.8		19.8	3.5	22.8	4.6	28.8	5.6	36	3.9	0.3	180	250	360	4.9								
		3.2	64	21.3	3.9	24.6	4.9	31.2	6	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	5.3	41.1	5.3	1.0	180	250	380	5.8								
EF750	FC5 & AC1005	2.8		19.8	3.5	22.8	4.6	28.8	5.6	36	5.6	1.5	200	250	380	6.1								
		3.2		21.3	3.9	24.6	4.9	31.2	6	38.4	2.8	0.2	190	250	360	4.6								
		3.5		22.8	4.2	26.7	5.3	33.9	6.3	41.1	3.9	0.2	200	250	370	4.9								
		3.9	102	24.6	4.6	28.8	5.6	36	6.3	41.1	4.6	0.3	200	250	370	5.2								
		4.2		26.7	4.9	31.2	6.0	38.4	6.3	41.1	5.3	0.7	220	270	380	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								