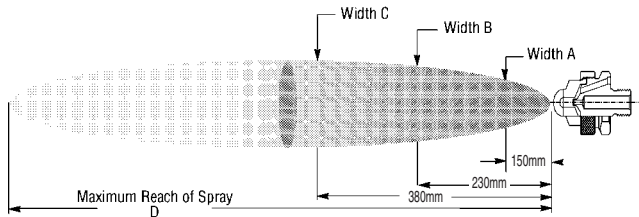


# XAPF

## Pressure-fed/Internal Mix/Flat Fan

### DESIGN/SPRAY CHARACTERISTICS

- Internal mix
- Flat fan, wide angle spray patterns (between 80° and 90°)
- Very fine atomization



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



1/4" XA PF300 A  
XA 00 Body; A Hardware

### XA PF Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Flat Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.7 Bar Liquid			1.5 Bar Liquid			2.0 Bar Liquid			3.0 Bar Liquid			4.0 Bar Liquid			Spray Dimensions								
			Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	air	liquid	A (mm)	B (mm)	C (mm)	D (m)			
1/8 OR 1/4	PF 050	Fluid Cap FC4 & Air Cap AC1301	0.7	5.5	1.44	1.3	9.1	1.86	2.0	8.6	2.52	2.7	11.2	3.12	3.9	12.0	4.14									
			0.9	4.7	1.62	1.5	7.7	2.16	2.2	7.5	2.82	3.0	10.1	3.36	4.6	9.7	4.86	1.1	0.7	250	360	460	2.6			
			1.0	4.1	1.86	1.8	6.5	2.52	2.5	6.2	3.12	3.2	9.1	3.72	5.3	7.5	5.58	2.1	1.5	360	480	660	3.0			
			1.1	3.5	2.04	2.1	5.4	2.82	2.8	5.2	3.42	3.5	8.1	3.96	6.0	5.3	6.24	2.8	2.0	380	530	760	3.2			
			1.3	3.0	2.22	2.4	4.3	3.12	3.1	4.2	3.78	4.2	5.4	4.74	6.3	4.3	6.60	3.5	3.0	470	610	860	3.4			
	PF 100	Fluid Cap FC3 & Air Cap AC1303	1.4	2.5	2.40	2.7	3.3	3.42	3.2	3.7	3.90	4.6	4.2	5.10	6.7	3.3	6.96	6.0	4.0	560	740	940	4.0			
			1.5	2.0	2.64	2.8	2.8	3.60	3.4	3.2	4.08	4.9	3.1	5.46	7.0	2.4	7.32									
			1.3	3.9	1.80	2.1	7.4	2.40	3.0	6.1	3.12	3.9	9.4	3.60	5.3	10.2	4.68	1.5	0.7	250	330	460	1.8			
			1.4	3.0	1.98	2.4	5.3	2.70	3.1	5.3	3.24	4.2	7.2	4.02	5.6	8.3	5.04	2.7	1.5	360	510	690	2.0			
			1.5	2.3	2.10	2.5	4.4	2.82	3.2	4.5	3.42	4.6	5.3	4.38	6.0	6.6	5.34	3.2	2.0	480	580	740	2.0			
	PF 150	Fluid Cap FC3 & Air Cap AC1301	1.7	1.8	2.28	2.7	3.7	3.00	3.4	3.8	3.54	4.9	3.8	4.80	6.3	5.1	5.88	4.2	3.0	610	740	940	2.1			
			1.8	1.3	2.46	2.8	3.1	3.12	3.5	3.2	3.72							3.2	3.0	610	740	940	2.1			
2.0			1.0	2.64	3.0	2.6	3.30	3.9	1.8	4.08							5.6	4.0	640	760	970	2.3				
0.9			8.2	1.20	1.4	14.4	1.62	2.1	13.5	2.16	2.7	19.1	2.52	4.6	16.1	4.14	1.1	0.7	360	460	710	2.1				
1.0			6.8	1.38	1.7	11.9	1.92	2.4	11.4	2.52	3.0	17.1	2.76	4.9	13.8	4.56	2.1	1.5	430	610	810	2.4				
PF 200	Fluid Cap FC3 & Air Cap AC1302	1.1	5.5	1.62	2.0	9.5	2.22	2.7	9.2	2.82	3.2	15.1	3.12	5.3	11.5	4.98	2.1	1.5	430	610	810	2.4				
		1.3	4.1	1.80	2.1	8.3	2.40	3.0	7.1	3.18	3.5	13.1	3.42	5.6	9.3	5.40	3.0	2.0	510	660	890	2.6				
		1.4	2.9	2.04	2.2	7.1	2.58	3.2	5.0	3.54	4.2	8.1	4.32	6.0	7.3	5.82	3.5	3.0	580	760	970	2.7				
		2.4	6.1	2.76	3.4	4.0	3.78	4.6	5.9	4.74	6.3	5.6	6.24	6.7	4.3	6.72	5.6	4.0	580	760	970	3.2				
		2.5	5.1	2.94	3.5	3.3	3.96	4.9	4.0	4.08																
PF 250	Fluid Cap FC2 & Air Cap AC1304	1.0	9.0	1.50	2.0	10.4	2.46	2.4	11.6	2.88	3.1	15.6	3.36	4.2	17.1	4.38	1.4	0.7	100	130	170	3.0				
		1.1	7.8	1.80	2.1	9.3	2.70	2.5	10.4	3.06	3.2	14.6	3.54	4.6	15.0	4.80	2.5	1.5	130	150	200	3.7				
		1.3	6.6	1.92	2.2	8.2	2.88	2.7	9.4	3.24	3.4	13.7	3.72	4.9	12.8	5.22	3.2	2.0	130	170	220	4.0				
		1.4	5.2	2.16	2.5	6.1	3.30	3.0	7.3	3.66	3.8	10.8	4.26	5.3	11.0	5.64	3.8	3.0	150	220	280	4.2				
		1.7	3.1	2.64	2.8	4.3	3.72	3.2	5.5	4.08	4.2	8.5	4.92	5.6	9.4	6.18	3.8	3.0	150	220	280	4.2				
PF 300	Fluid Cap FC1 & Air Cap AC1304	2.0	2.0	3.00	3.1	3.0	4.14	3.5	4.1	4.50	4.9	5.2	5.88	6.3	7.2	7.14	5.3	4.0	200	250	330	4.8				
		2.2	1.1	3.36	3.4	2.0	4.50	3.8	2.9	4.86	6.0	2.3	7.20	7.0	6.1	8.04										
		1.1	11.2	3.24	2.1	18.0	4.74	2.7	19.6	5.58	3.5	27.0	6.72	4.6	33.0	8.22	1.4	0.7	150	180	200	3.0				
		1.3	8.5	3.60	2.2	15.8	5.04	2.8	17.3	5.88	3.7	25.0	6.96	4.9	28.0	8.94	2.4	1.5	230	280	330	3.2				
		1.4	6.5	3.90	2.4	13.6	5.34	3.0	15.2	6.18	3.8	23.0	7.26	5.3	24.0	9.66	3.0	2.0	250	330	400	3.4				
PF 350	Fluid Cap FC1 & Air Cap AC1305	1.5	5.0	4.26	2.5	11.6	5.70	3.1	13.2	6.54	3.9	21.0	7.56	5.6	19.7	10.4	3.7	3.0	300	380	460	3.5				
		1.7	3.8	4.62			5.70	3.1	11.4	6.84	4.1	18.9	7.92	6.0	15.7	11.2	5.3	4.0	330	410	480	4.0				
		0.9	27.0	1.98	1.8	38.0	3.30	2.4	39.0	4.02	3.2	58.0	4.56	4.6	59.0	6.36	1.1	0.7	180	230	300	3.4				
		1.0	20.0	2.28	2.1	28.0	3.96	2.7	30.0	4.62	3.5	47.0	5.22	5.3	40.0	7.92	2.4	1.5	230	300	410	3.5				
		1.1	15.9	2.70	2.2	24.0	4.26	3.0	24.0	5.22	3.8	38.0	5.82	5.6	32.0	8.70	3.2	2.0	250	330	430	3.7				
PF 400	Fluid Cap FC5 & Air Cap AC1306	1.3	12.5	2.88	2.4	21.0	4.56	3.2	17.8	5.88	3.9	34.0	6.18	6.0	26.0	9.48	3.9	3.0	300	380	480	3.8				
		1.4	10.2	3.36	2.5	17.8	4.92	3.4	15.1	6.18	4.2	27.0	6.78	6.3	20.0	10.3	3.2	3.0	300	380	480	3.8				
		1.5	7.6	3.72	2.7	15.1	5.22	3.5	12.9	6.54	4.6	20.0	7.56	6.7	15.9	11.1	6.0	4.0	330	410	510	4.4				
		2.2	10.6	4.26	3.0	11.7	6.84	4.9	10.6	7.14	5.3	11.0	9.06	4.2	12.5	11.6	1.8	1.5	250	300	430	3.8				
		2.4	9.0	4.62	2.7	10.6	7.14	5.3	11.0	9.06	4.2	12.5	11.6	1.8	12.5	11.6	1.8	1.5	250	300	430	3.8				

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