



THE
SPRAY NOZZLE
PEOPLE

XAPF

Pressure-fed
Internal Mix
Flat Fan



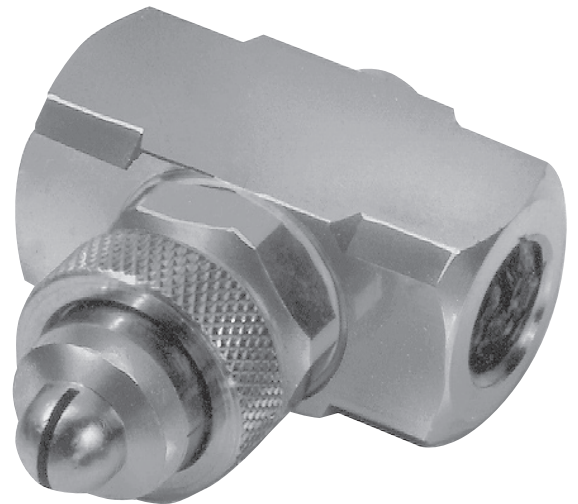
AIR ATOMISING

DESIGN FEATURES

- ✓ Requires pressurised air and fluid to operate
- ✓ Internal mix
- ✓ 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

- ✓ **Spray pattern: Flat Fan**
- ✓ **Spray angles: 80° to 90°**
- ✓ **Flow rates: 1-140 l/hr**
- ✓ **Very fine atomisation**
- ✓ **Moderate forward spray projection**



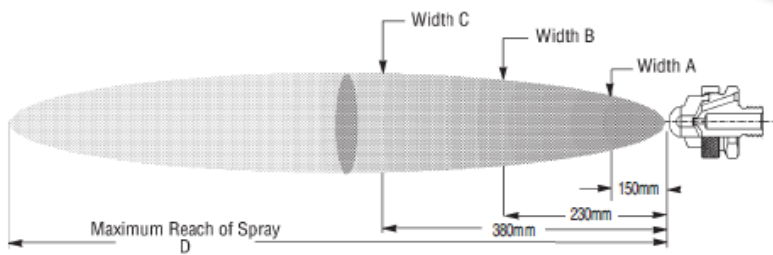
The XAPF air atomising nozzle produces a very finely atomised flat fan spray pattern. The internal mix design ensures the maximum level of droplet atomisation. These spray characteristics means that it is used in a variety of applications including:

Spray Coating
Moistening
Lubrication
Drum Coating
And more.

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The Go-to People for spray nozzle solutions



XAPF Set-up Flow Rates and Dimensions

Pressure-fed, Internal 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 & air cap No.	0.7 Bar Liquid			0.15 Bar Liquid			2.0 Bar Liquid			3.0 Bar Liquid			4.0 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
PF050	FC4 & AC1301	0.9	4.7	1.62	1.5	7.7	2.16	2.2	7.5	2.82	3	10.1	3.36	4.6	9.7	4.86	1.1	0.7	250	360	460	2.6
		1	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	5.3	6.24	2.8	2.0	380	530	760	3.2
		1.3	3	2.22	2.4	4.3	3.12	3.1	4.2	3.78	4.2	5.4	4.74	6.3	4.3	6.6	3.5	3.0	470	610	860	3.4
		1.4	2.5	2.4	2.7	3.3	3.42	3.2	3.7	3.9	4.6	4.2	5.1	6.7	3.3	6.96	6	4.0	560	740	940	4.0
PF100	FC3 & AC1303	1.5	2	2.64	2.8	2.8	3.6	3.4	3.2	4.08	4.9	3.1	5.46	7	2.4	7.32	1.5	0.7	250	330	460	1.8
		1.3	3.9	1.8	2.1	7.4	2.4	3	6.1	3.12	3.9	9.4	3.6	5.3	10.2	4.68	2.7	1.5	360	510	690	2.0
		1.4	3	1.98	2.4	5.3	2.7	3.1	5.3	3.24	4.2	7.2	4.02	5.6	8.3	5.04	3.2	2.0	480	580	740	2.0
		1.5	2.3	2.1	2.5	4.4	2.82	3.2	4.5	3.42	4.6	5.3	4.38	6	6.6	5.34	4.2	3.0	610	740	940	2.1
		1.7	1.8	2.28	2.7	3.7	3	3.4	3.8	3.54	4.9	3.8	4.8	6.3	5.1	5.88	5.6	4.0	640	760	970	2.3
PF150	FC3 & AC1301	1.8	1.3	2.46	2.8	3.1	3.12	3.5	3.2	3.72												
		2	1	2.64	3	2.6	3.3	3.9	1.8	4.08												
					3.1	2.1	3.42															
		0.9	8.2	1.2	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	6.8	1.38	1.7	11.9	1.92	2.4	11.4	2.52	3	17.1	2.76	4.9	13.8	4.56	2.1	1.5	430	610	810	2.4
PF200	FC3 & AC1302	1.1	5.5	1.62	2	9.5	2.22	2.7	9.2	2.82	3.2	15.1	3.12	5.3	11.5	4.98	3	2.0	510	660	890	2.6
		1.3	4.1	1.8	2.1	8.3	2.4	3	7.1	3.18	3.5	13.1	3.42	5.6	9.3	5.4	3.5	3.0	580	760	970	2.7
		1.4	2.9	2.04	2.2	7.1	2.58	3.2	5	3.54	4.2	8.1	4.32	6	7.3	5.82	5.6	4.0	580	760	970	3.2
					2.4	6.1	2.76	3.4	4	3.78	4.6	5.9	4.74	6.3	5.6	6.24						
					2.5	5.1	2.94	3.5	3.3	3.96	4.9	4	5.16	6.7	4.3	6.72						
PF250	FC2 & AC1304	1	9	1.5	2	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	1.8	2.1	9.3	2.7	2.5	10.4	3.06	3.2	14.6	3.54	4.6	15	4.8	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	3.3	3	7.3	3.66	3.8	10.8	4.26	5.3	11	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	5.3	4.0	200	250	330	4.8
PF300	FC1 & AC1304	2	2	3	3.1	3	4.14	3.5	4.1	4.5	4.9	5.2	5.88	6.3	7.2	7.14						
		2.2	1.1	3.36	3.4	2	4.5	3.8	2.9	4.86	6	2.3	7.2	7	6.1	8.04						
		1.1	11.2	3.24	2.1	18	4.74	2.7	19.6	5.58	3.5	27	6.72	4.6	33	8.22	1.4	0.7	150	180	200	3.0
		1.3	8.5	3.6	2.2	15.8	5.04	2.8	17.3	5.88	3.7	25	6.96	4.9	28	8.94	2.4	1.5	230	280	330	3.2
		1.4	6.5	3.9	2.4	13.6	5.34	3	15.2	6.18	3.8	23	7.26	5.3	24	9.66	3	2.0	250	330	400	3.4
PF350	FC1 & AC1305	1.5	5	4.26	2.5	11.6	5.7	3.1	13.2	6.54	3.9	21	7.56	5.6	19.7	10.4	3.7	3.0	300	380	460	3.5
		1.7	3.8	4.62				3.2	11.4	6.84	4.1	18.9	7.92	6	15.7	11.2	5.3	4.0	330	410	480	4.0
											4.2	17	8.22	6.3	12.4	12						
		0.9	27	1.98	1.8	38	3.3	2.4	39	4.02	3.2	58	4.56	4.6	59	6.36	1.1	0.7	180	230	300	3.4
		1	20	2.28	2.1	28	3.96	2.7	30	4.62	3.5	47	5.22	5.3	40	7.92	2.4	1.5	230	300	410	3.5
PF400	FC5 & AC1305	1.1	15.9	2.7	2.2	24	4.26	3	24	5.22	3.8	38	5.82	5.6	32	8.7	3.2	2.0	250	330	430	3.7
		1.3	12.5	2.88	2.4	21	4.56	3.2	17.8	5.88	3.9	34	6.18	6	26	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	6.78	6.3	20	10.3	6.0	4.0	330	410	510	4.4
		1.5	7.6	3.72	2.7	15.1	5.22	3.5	12.9	6.54	4.6	20	7.56	6.7	15.9	11.1						
								3.7	10.6	6.84	4.9	14.8	8.4	7	12.7	11.9						
PF450	FC1 & AC1305	1	17	1.38	2	24	2.64	2.4	28	3.06	3.4	38	4.32	3.9	65	4.5	1.1	0.7	100	130	150	2.4
		1.1	11	1.62	2.1	18.9	3	2.5	23	3.54	3.5	33	4.8	4.2	53	5.34	2.1	1.5	100	130	170	3.0
		1.3	7.6	1.98	2.2	14.4	3.36	2.7	18.9	3.96	3.7	28	5.34	4.6	40	6.48	2.8	2.0	130	170	220	3.4
		1.4	3.2	2.4	2.4	10.6	3.78	2.8	15.1	4.44	3.8	23	5.82	4.9	30	7.62	3.7	3.0	150	200	280	3.6
					2.5	7.2	4.26	3	11.7	4.74	3.9	19.7	6.3	5.3	21	8.94	4.9	4.0	200	250	350	4.0
PF500	FC5 & AC1305										4.2	13.1	7.2	5.6	13.8	10.4						
											4.6	7.2	8.28	6.3	3.2	13.5						
		1	29	5.4	1.8	56	7.02	2.1	100	7.14	3	126	8.4	4.1	140	10.9	1.0	0.7	180	200	250	3.4
		1.1	18.9	6.48	2	40	7.98	2.2	79	7.98	3.1	110	9.06	4.2	125	11.6	1.8	1.5	250	300	430	3.8
								2.4	62	8.82	3.2	95	9.78	4.6	89	13.5	2.4	2.0	250	300	460	4.3
PF600	FC5 & AC1305							2.5	48	9.72	3.4	78	11	4.9	58	15.9	3.4	3.0	330	410	530	4.6
								2.7	36	10.6	3.5	62	11.6	5.3	34	18.3	4.9	4.0	360	430	580	5.2
											3.7	48	12.6	5.6	16.7	20.4						
											3.8	37	13.5									

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

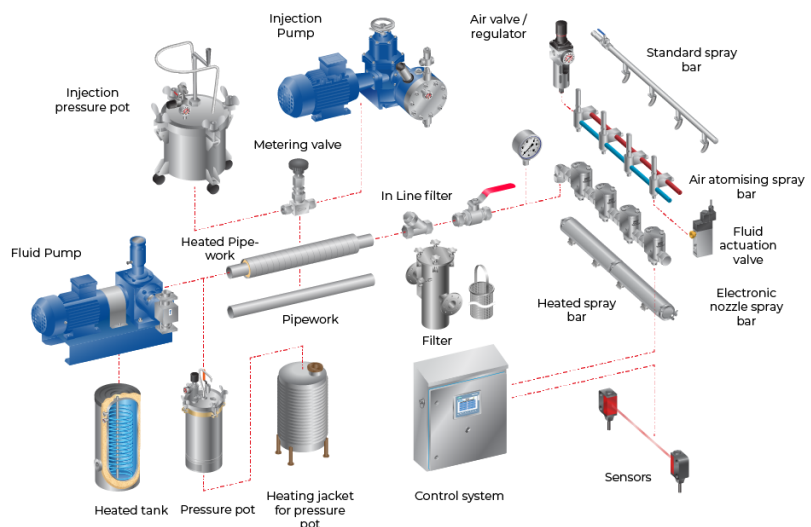
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING