



THE
SPRAY NOZZLE
PEOPLE

XAPR

Pressure-fed/ Int. Mix
Narrow Angle Round



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: Full Cone (narrow)
- ✓ Spray angles: 12° to 22°
- ✓ Flow rates: 1.4-250 l/hr
- ✓ Very fine atomisation
- ✓ Large forward spray projection (up to 8.5m)



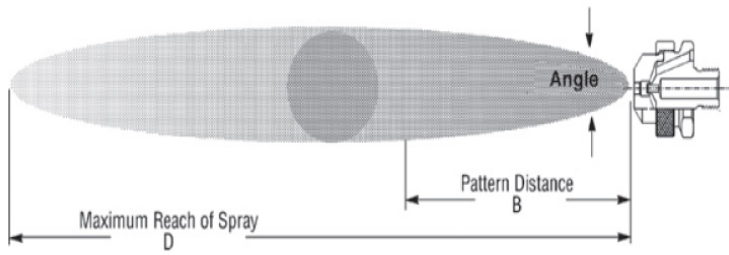
The XAPR is an internal mix air atomising nozzle which delivers a narrow, full cone spray pattern. The internal mix design ensures very fine atomisation and the narrow cone means this spray is projected a long distance from the nozzle. This makes it exceptionally useful when fogs need to be distributed widely. The XAPR is used for:

Humidification
Dust Control
Disinfectant Fogging
And more.

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The Go-to People for spray nozzle solutions



XAPR Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Round 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			1.5 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	Liq-uid	Spray Angle	B mm	D m
PR050	FC4 & AC1501	0.7	2.5	0.96	1.1	6.4	0.72	1.4	6.4	0.84	2.7	6.2	1.38	3.5	7.8	1.68					
		0.9	1.8	1.14	1.4	5.0	0.9	1.7	5.5	1.02	2.8	5.7	1.5	3.7	7.3	1.74	0.9	0.7	13	300	3
		1.0	1.4	1.32	1.7	4.1	1.14	2.0	4.5	1.2	3.0	5.2	1.62	3.9	6.4	1.98	1.7	1.5	13	330	3
					1.8	3.4	1.2	2.2	3.4	1.44	3.1	4.7	1.74	4.2	5.5	2.28	2.5	2.0	13	360	3
					2.0	3.0	1.38	2.4	3	1.56	3.2	4.3	1.86	4.5	4.5	2.58	3.1	3.0	14	390	4
					2.1	2.6	1.5	2.5	2.5	1.68	3.4	3.9	1.98	4.6	4.1	2.7	4.5	4.0	15	440	4
					2.2	2.0	1.62	2.7	2.3	1.86	3.7	3.0	2.28	4.8	3.7	2.82					
PR100	FC4 & AC1502	0.7	2.5	1.14	1.4	5.7	1.62	1.7	6.7	1.74	2.2	9.2	2.04	2.8	11.9	2.34					
		0.9	2.0	1.32	1.5	5.2	1.74	1.8	6.4	1.86	2.5	8.2	2.34	3.1	11	2.58	0.9	0.7	12	430	4
		1.0	1.6	1.56	1.7	4.8	1.92	2.0	5.9	2.04	2.8	7.2	2.64	3.4	10.1	2.82	1.5	1.5	13	460	4
					1.8	4.3	2.1	2.1	5.2	2.22	3.0	6.7	2.82	3.7	9.2	3.12	2.4	2.0	13	480	4
					2.0	3.9	2.22	2.2	4.8	2.4	3.1	6.3	2.94	3.9	8.4	3.48	3.0	3.0	13	510	5
					2.1	3.4	2.4	2.4	4.3	2.58	3.2	5.9	3.12	4.2	7.6	3.72	3.9	4.0	15	560	5
								2.7	3.6	2.88	3.4	5.5	3.3	4.5	6.8	4.08					
PR150	FC3 & AC1502	0.9	4.8	1.26	1.7	8.4	1.86	2.0	10.7	1.98	2.7	16.5	2.22	3.4	20	2.58					
		1.1	4.1	1.62	1.8	7.5	2.1	2.1	9.8	2.22	2.8	15.4	2.28	3.7	18.4	2.82	1.5	0.7	12	480	4
		1.4	3.4	1.98	2.0	7.0	2.22	2.4	8.2	2.52	3.1	13.6	2.58	3.9	16.8	3	2.5	1.5	13	510	4
		1.5	3.1	2.1	2.2	5.7	2.64	2.7	6.8	2.88	3.4	11.8	2.94	4.2	15.2	3.3	3	2.0	13	530	5
		1.7	3.0	2.34	2.5	4.8	2.94	3.0	5.9	3.3	3.7	10.4	3.3	4.5	13.8	3.6	3.4	3.0	14	560	5
		1.8	2.9	2.46	2.8	4.1	3.24	3.2	5	3.54	3.9	9.1	3.66	4.8	12.4	3.9	4.2	4.0	15	600	5
		2.0	2.8	2.64	3.1	3.6	3.54	3.5	4.1	3.9	4.2	7.9	3.9	4.9	11.8	4.08					
PR200	FC2 & AC1503	1.1	13	4.56	2.2	17.8	6.96	2.8	20	8.16	3.4	32	8.94	4.6	37	11.6					
		1.4	8.9	5.46	2.5	13.1	7.8	3.1	16.3	8.94	3.9	25	10.2	5.3	29	13.2	1.7	0.7	18	660	5
		1.5	7.2	5.88	2.8	9.5	8.58	3.4	11.9	9.78	4.6	15.9	12.3	5.6	25	14.1	2.8	1.5	20	760	6
		1.7	5.8	6.3	3.1	7.0	9.42	3.9	7	11.2	5.3	9.1	14.4	6.0	21	15	3.9	2.0	20	810	7
		1.8	4.7	6.72	3.4	4.9	10.3	4.2	4.7	12.3	5.6	6.8	15.3	6.3	17.4	16.2	5.3	3.0	21	910	8
		2.0	3.6	7.14	3.5	4.2	10.7	4.6	3	13.2	6.0	5.0	16.5	6.7	14	17.4	6	4.0	21	970	9
		2.1	2.7	7.62							6.3	3.6	17.4	7.0	11	18.3					
PR250	FC1 & AC1503	0.9	31	3.42	1.4	61	4.14	2.1	53	5.76	2.7	80	6.18	3.8	88	8.1					
		1.0	25	3.96	1.5	54	4.56	2.4	41	6.72	3.0	69	7.02	4.2	73	9.36	1	0.7	17	610	5
		1.1	18.5	4.5	1.7	48	5.1	2.7	31	7.62	3.2	59	7.8	4.6	61	10.6	1.8	1.5	18	690	6
		1.3	12.9	5.1	1.8	41	5.58	2.8	26	8.16	3.5	49	8.76	4.9	48	11.8	2.8	2.0	20	760	7
					2.0	35	6.12	3.0	22	8.64	3.7	44	9.24	5.3	39	12.9	3.5	3.0	20	790	7
					2.1	30	6.6				3.8	37	9.66	5.6	31	14.4	4.9	4.0	21	910	9
					2.2	25	7.14				3.9	35	10.2	6.0	23	15.6					
PR300	FC5 & AC1504	1.0	44	5.16	1.4	125	4.74	2.0	123	6.48	2.2	199	5.28	3.0	250	5.94					
		1.1	32	6.12	1.5	106	5.46	2.1	108	7.14	2.5	174	6.6	3.2	225	7.2	1	0.7	19	890	6
					1.7	87	6.3	2.2	95	7.8	2.8	146	7.98	3.5	205	8.46	1.7	1.5	20	990	7
					1.8	70	7.08	2.4	79	8.58	3.1	121	9.24	3.8	182	9.78	2.4	2.0	21	1040	8
					2.0	55	7.8	2.5	64	9.3	3.2	108	9.96	4.1	159	11	3.1	3.0	21	1070	8
								2.7	52	9.96	3.4	95	10.6	4.6	121	13.5	3.8	4.0	22	1170	9
								2.8	42	10.7	3.5	84	11.2	4.9	93	15.3					

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.

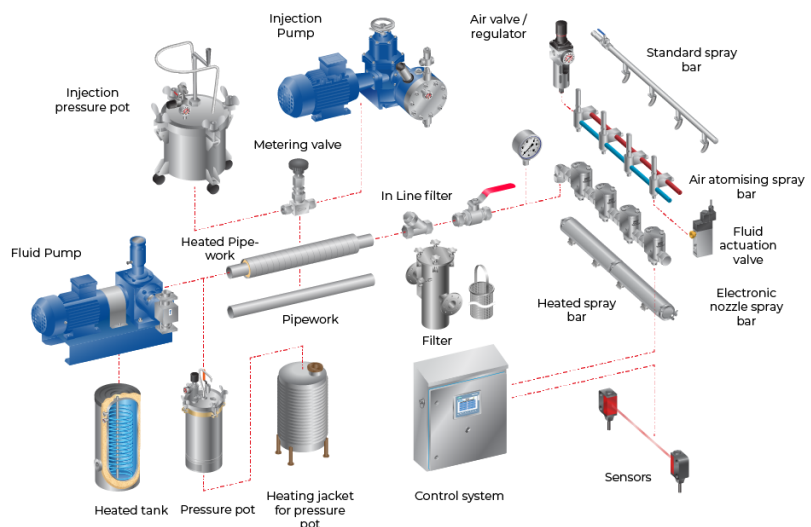
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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