



THE
SPRAY NOZZLE
PEOPLE

XAAD

Pressure-fed
Internal Mix
Wide 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: Hollow cone
- ▼ Spray angles: 70°
- ▼ Flow rates: 1.7-93 l/hr
- ▼ Very fine atomisation
- ▼ Moderate forward spray projection



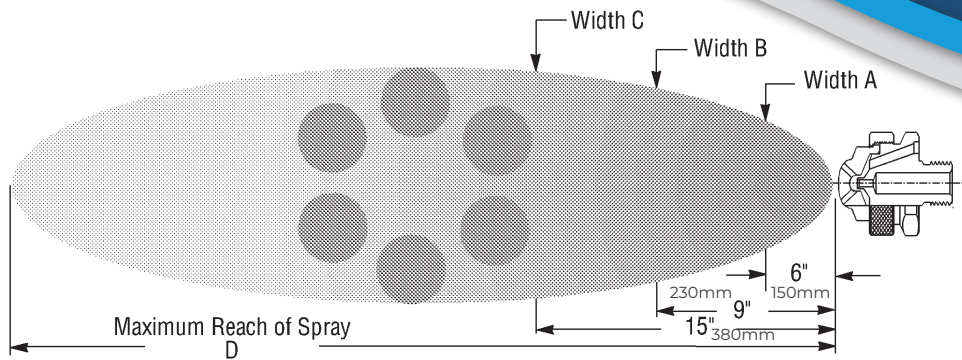
The XAAD air atomising nozzle produces a very finely atomised hollow cone spray pattern. It produces the finest droplets of all our air atomisers. This makes it suitable for any applications where a small droplet size is of paramount importance including:

Moistening
Humidifying
Disinfection, Fogging
Coating
Dust Control
And more.

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The Go-to People for spray nozzle solutions



XA AD Set-up Flow Rates and Dimensions

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

Spray Set-Up	Fluid & Air Cap No	Pressure (Bar)														Spray Dimensions							
		0.7 Bar Liquid		1.5 Bar Liquid		2.0 Bar Liquid		3.0 Bar Liquid		4.0 Bar Liquid		Air	Liquid	A	B	C	D						
		Air (Bar)	l/hr	Nm ³ /hr	Air (Bar)	l/hr	Nm ³ /hr	Air (Bar)	l/hr	Nm ³ /hr	Air (Bar)	l/hr	Nm ³ /hr	Air (Bar)	l/hr	Nm ³ /hr	Air	Liquid	A	B	C	D	
AD050	FC4 & AC1601	0.6	5.3	0.6	1.1	8.1	0.79	1.5	8.1	0.92	2.4	8.9	1.24	3.1	10.5	1.44	0.7	0.7	140	180	230	1.5	
		0.7	4.3	0.72	1.3	7.0	0.88	1.8	6.6	1.09	2.7	8.1	1.4	3.4	9.7	1.68	1.4	1.5	150	190	240	1.8	
		0.9	3.0	0.84	1.4	6.4	0.94	2.1	4.9	1.32	3.0	6.4	1.66	3.9	7.8	2.16	1.8	2.0	160	200	250	2.1	
		1.0	1.7	1.02	1.5	5.5	1.01	2.4	3.2	1.68	3.2	4.9	1.92	4.2	6.1	2.52	3.0	3.0	160	200	260	2.7	
					1.7	4.5	1.16					3.4	4.2	2.13	4.6	4.4	2.82	3.9	4.0	190	230	300	4.0
AD100	FC2 & AC1603	0.9	7.0	3.0	1.7	13.2	4.08	2.0	18.5	4.08	2.8	25	5.04	3.7	31	5.76							
		1.0	2.1	3.72	1.8	9.8	4.74	2.1	15.1	4.56	3.0	22	5.52	3.8	28	6.3							
								2.2	11.7	5.1	3.1	18.5	6.06	3.9	26	6.78	0.9	0.7	180	240	310	1.8	
											3.2	15.1	6.54	4.1	23	7.32	1.7	1.5	190	250	330	2.4	
											3.4	12.1	7.14	4.2	20	7.8	2.1	2.0	190	250	330	3.2	
AD150	FC2 & AC1602	1.1	12.3	2.4	2.2	16.3	3.72	2.7	21	4.14	4.2	19.3	6.0	5.6	22	7.8							
		1.3	9.9	2.7	2.5	12.1	4.26	3.0	16.3	4.68	4.6	14.6	6.78	6	17.6	8.52							
		1.4	7.9	3.0	2.8	8.9	4.74	3.2	12.3	5.16	4.9	10.8	7.44	6.3	14	9.12	1.5	0.7	150	190	230	2.7	
		1.5	6.1	3.24	3.0	7.6	4.98	3.4	10.7	5.46	5.3	8.1	8.1	6.7	11.4	9.78	3.0	1.5	160	200	240	4.6	
		1.7	4.9	3.48	3.1	6.4	5.22	3.5	9.3	5.64	5.6	6.2	8.76	7	9.1	10.4	3.4	2.0	160	200	240	5.5	
AD200	FC1 & AC1603	1.8	3.9	3.72	3.2	5.5	5.46	3.9	6.4	6.3	6	4.9	9.42				5.3	3.0	180	220	250	7.3	
		2.0	3.1	4.02	3.4	4.7	5.7	4.2	4.7	6.9	6.3	4.0	10				6.3	4.0	190	240	280	9.4	
		0.7	23.1	1.70	1.4	37.1	2.38	2.1	26.9	3.91	2.8	49.2	3.91	3.7	57.2	4.59							
		0.9	8.30	2.89	1.5	30.3	2.89	2.2	22.3	4.42	3.0	40.1	4.59	3.8	53	5.1							
		1.0	3.40	3.40	1.7	18.2	3.74	2.4	11.4	5.44	3.1	32.9	5.1	4.0	44.7	5.95	0.9	0.7	190	250	360	2.1	
AD250	FC1 & AC1604				1.8	11.7	4.42	2.5	7.2	5.95	3.2	28.8	5.44	4.2	34.4	6.8	1.5	1.5	200	270	370	3.2	
											3.4	20.1	6.63	4.6	18.9	8.83	2.4	2.0	200	270	370	4.1	
											3.5	15.5	7.14	4.9	7.9	10.7	3.2	3.0	200	280	380	5.0	
											3.7	7.6	8.33				3.9	4.0	200	280	390	6.8	
AD300	FC5 & AC1605	1.3	26.1	5.27	2.1	45	7.14	3.1	42.4	10	4.2	55.6	11.8	5.6	59.8	14.7							
		1.5	21.2	5.95	2.4	38.6	8.16	3.2	40.1	10.7	4.9	42	13.8	6.0	52.4	15.6							
		1.8	13.6	7.14	2.7	30.7	9.17	3.4	35.6	11	5.6	28.4	15.9	6.3	46.8	16.8	2.0	0.7	200	250	330	5.5	
		2.0	9.5	7.82	3.0	23.8	10.2	3.5	33.3	11.2	6.0	20.6	17.1	6.7	39.4	17.7	3.0	1.5	200	270	340	6.4	
		2.1	7.6	8.16	3.2	19.3	10.9	3.9	24.6	12.6	6.3	14.8	18	7.0	33.9	18.9	3.9	2.0	220	280	370	8.2	
AD300	FC5 & AC1605	2.3	4.2	8.83	3.5	12.9	11.9	4.6	11	15	6.7	7.0	19.2				6.0	3.0	230	290	380	9.1	
		2.4	2.6	9.17	4.2	1.5	14.1	4.9	6.4	16	7.0	1.2	20.1				6.3	4.0	240	320	400	10.4	
		1.7	25	9.36	3.0	39	13.8	3.4	50	15	4.6	62	19.2	6.0	93	23.7							
		1.8	19.7	10	3.1	33	14.4	3.5	43	15.6	4.9	47	20.7	6.3	77	25.5	2.0	0.7	240	330	460	5.5	
		2.0	15.1	10.7	3.2	27	15.3	3.7	41	16.5	5.3	36	22.5	6.7	62	27.6	3.2	1.5	250	340	470	6.4	
AD300	FC5 & AC1605	2.1	11.4	11.6	3.4	23	15.9	3.9	27	18	5.6	26	24.3	7.0	52	29.7	3.9	2.0	280	370	510	7.3	
		2.3	7.6	12.3	3.5	18.5	16.8	4.1	23	18.6	6.0	18.9	26.1				5.3	3.0	290	380	530	7.9	
					3.7	14.8	17.4	4.2	18.9	19.2	6.3	13.6	27.6				6.3	4.0	330	420	580	9.8	
									4.4	15.9	20.1												

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.

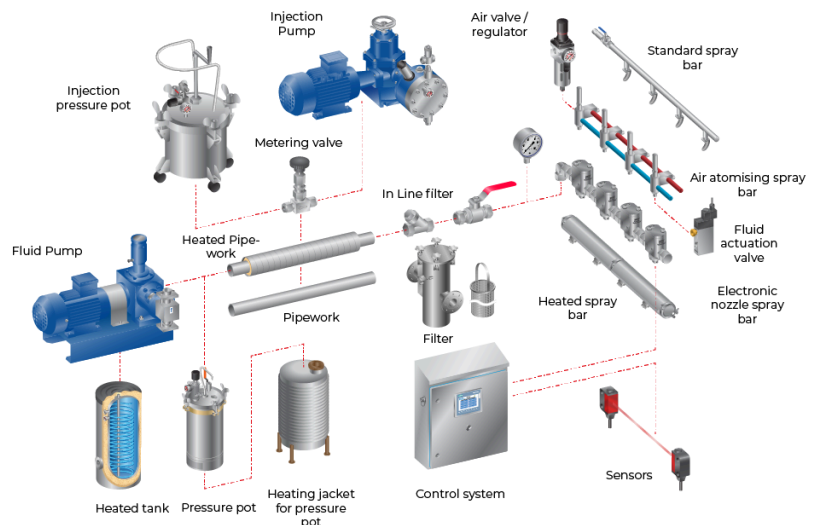
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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