



THE
SPRAY NOZZLE
PEOPLE

XASR

Siphon-fed Round
Internal Mix
Narrow Full Cone



AIR ATOMISING

DESIGN FEATURES

- ✓ Siphon fed - does not require pressurised fluid feed, only air
- ✓ Internal mix
- ✓ Very low flow rates
- ✓ 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: Narrow Full Cone
- ✓ Spray angles: 12° to 22°
- ✓ Flow rates: 0.5-31 l/hr
- ✓ Very fine atomisation
- ✓ Short to moderate forward spray projection



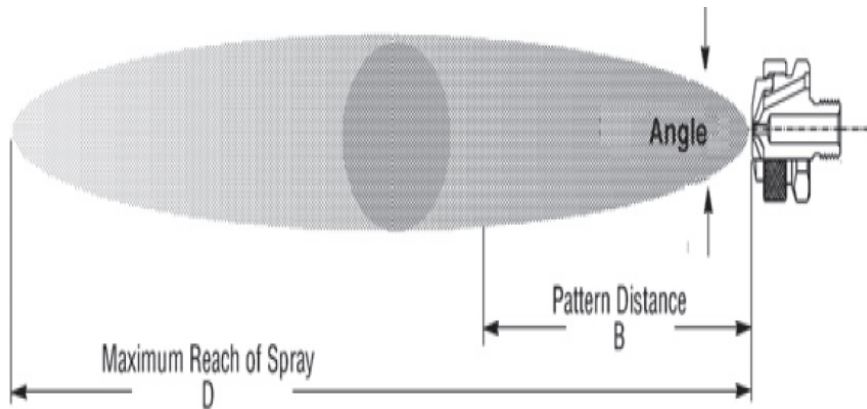
The XASR is a siphon fed, internal mix, air atomising nozzle. Its siphon-fed design means that the fluid feed does not need to be pressurised. So, no fluid pump is required. This design also allows for very low flow rates below 1 litre per hour. The XASR can be useful in a number of applications including:

Coating
Humidification
Disinfecting
And more.

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The Go-to People for spray nozzle solutions



XASR Set-up Flow Rates and Dimensions

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

Liquid Capacity in litres per hour

Spray Set-up	Fluid & Air Cap	Atomising Air		Gravity Head (mm)				Siphon Height (mm)				Air bar	Spray Dimensions at 200 mm Siphon Height		
		Air bar	Nm3/hr	450	300	150	100	200	300	600	900		Spray Angle	B mm	D m
SR050	FC7 & AC1201	0.7	0.66	1.5	1.3	1.1	0.9	0.7	0.5			0.7	18	280	1.8
		1.5	1.02	1.8	1.7	1.5	1.3	1.2	1.1	0.6		1.5	18	280	1.9
		3	1.68	2.1	1.9	1.7	1.5	1.4	1.3	1.1	0.8	3	18	300	2.3
		4	2.16	2.2	2	1.8	1.6	1.5	1.4	1.2	0.9	4	18	360	2.6
SR150	FC4 & AC1201	0.7	0.78	2.4	2.1	1.7	1.5	1.2	0.8			0.7	18	300	2.1
		1.5	1.2	2.8	2.6	2.4	2.1	1.9	1.6	0.9		1.5	18	330	2.3
		3	1.92	3.4	3.1	2.9	2.8	2.6	2.4	1.7	1.1	3	18	380	2.6
		4	2.46	3.7	3.4	3.3	3.1	2.9	2.7	2.1	1.5	4	19	430	3
SR200	FC4 & AC1202	0.7	1.38	2.5	2.3	2	1.6	1.4	1.1			0.7	18	300	2.4
		1.5	2.16	2.9	2.8	2.5	2.2	2	1.7	0.9		1.5	18	330	2.7
		3	3.48	3.4	3.3	3.2	2.9	2.8	2.5	1.9	1.2	3	19	380	3.4
		4	4.44	3.7	3.6	3.5	3.4	3.3	3	2.5	2	4	20	430	4
SR250	FC3 & AC1202	0.7	1.14	4.5	4	3.4	2.1	1.8	1.4			0.7	21	380	3
		1.5	1.86	5.3	4.9	4.4	3.5	2.9	2.7	1.8		1.5	21	410	3.4
		3	3	6	5.6	5	4.4	4	3.4	2.4	1.2	3	21	460	4
		4	3.9	5.7	5.4	5	4.2	3.9	3.5	2.8	1.9	4	22	510	4.6
SR400	FC1 & AC1204	1.5	3.48	22	19.9	16.3	12.3	10.5	8.3	2.8		1.5	17	460	3.7
		3	5.28	25	23	19.5	16.7	14.2	11.5	6.4	2.8	3	18	510	4.3
		4	6.66	26	24	21	18.4	15.7	12.9	7.9	4.5	4	18	530	4.9
		5.6	8.82	26	24	22	19.7	17	14.6	9.8	6.1	5.6	19	580	5.5
SR450	FC5 & AC1205	2	8.64				27	22	16.8			2	20	510	6.7
		3	11.4				30	26	21			3	20	530	7
		4	14.4		43	40	31	28	23	11		4	21	580	7.6
		5.6	18.9	44	42	39	31	28	24	16.7	8.3	5.6	22	630	8.2

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.

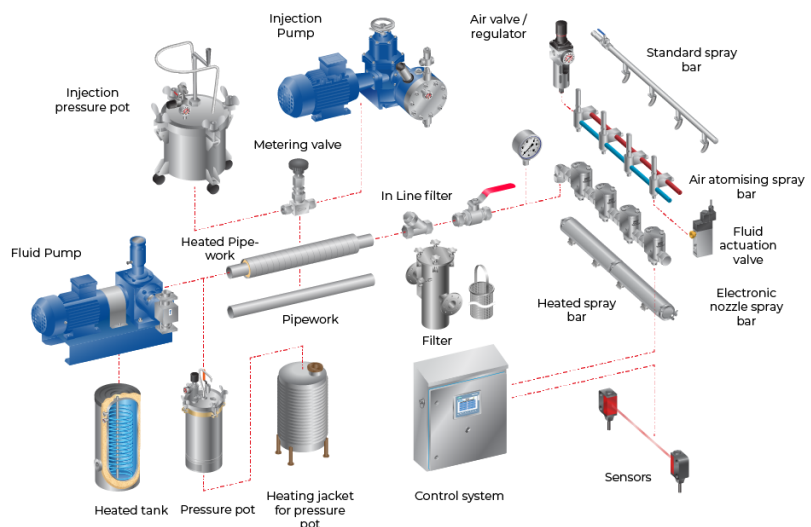
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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