



THE
SPRAY NOZZLE
PEOPLE

XAER

Pressure-fed
External Mix
Narrow Angle



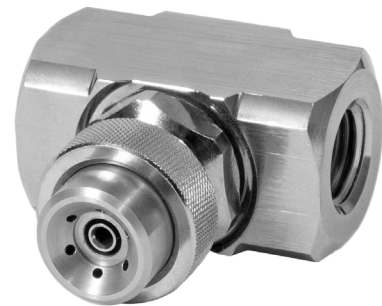
AIR ATOMISING

DESIGN FEATURES

- ✓ Requires pressurised air and fluid to operate
- ✓ External mix allows for the spraying of viscous fluids
- ✓ 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

- ✓ Narrow spray angle (10°- 30°)
- ✓ Precise metering of the liquid flow rate
- ✓ Flow rates between 2.7 and 340 litres per hour
- ✓ Moderate spray projection
- ✓ Variable atomisation



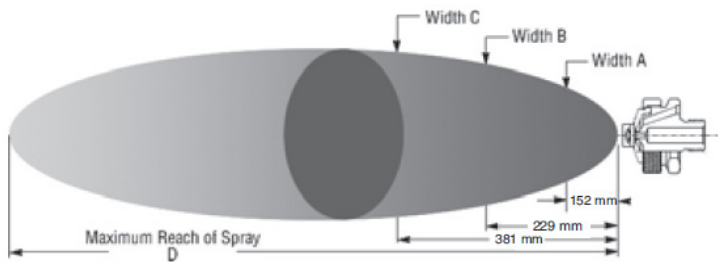
The XAER air atomising nozzle produces finely atomised sprays in a full cone pattern. The external mix design means that it can handle viscous fluids and also means control of the flow rates is simpler than with internal mix variants. These features mean the XAER is most commonly used for:

Moistening
Lubrication
Spraying Viscous Fluids
Dust Control
And more.

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The Go-to People for spray nozzle solutions



XAER Set-up Flow Rates and Dimensions

Pressure-fed, External Mix, Narrow Round Spray Pattern, 1/8" and 1/4" Pipe Sizes
Standard materials: Nickel-plated Brass, 303 and 316 Stainless Steel

Set-up No	Fluid & air cap No.	0.2 Bar Liquid			0.3 Bar Liquid			0.7 Bar Liquid			1.5 Bar Liquid			3 Bar Liquid			Spray Dimensions Bar					
		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	A mm	B mm	C mm	D m
ER050	FC3 & AC1801	0.3	2.7	1.3	0.3	1.3	0.3	1.3	4.4	1.3	0.7	1.9	0.7	1.9	1.4	2.9	0.2	0.7	50	90	130	2.3
		0.7		1.9	0.7	1.9	1.4	2.9		2.1	3.7	2.8	2.9	2.1	3.7	2.8	0.3	1.4	60	90	110	3
		1.4		2.9	1.4	2.9	2.1	3.7		2.8	4.6	3.4	4.6	3.4	5.6	4.1	0.3	2.8	40	90	130	3.7
		2.1		3.7	2.1	3.7	2.8	4.6		3.4	5.6	4.1	6.5	4.8	6.5	1.5	2.8	60	80	130	4.9	
					2.8	4.6	3.4	5.6		4.1	6.5	5.5	8.5	6.2	9.4	1.5	1.4	60	60	80	4.3	
ER150	FC4 & AC1801	0.3	3.7	1.3	0.3	1.3	0.7	1.9	1.4	2.9	1.4	2.9	1.4	2.9	2.1	3.7	0.2	0.7	50	60	80	3
		0.7		1.9	0.7	1.9	2.1	3.7	2.8	4.6	3.4	4.6	2.8	4.6	0.3	1.4	60	80	80	4.3		
		1.4		2.9	2.1	3.7	2.8	4.6	3.4	5.6	4.1	6.5	4.1	6.5	0.3	2.8	60	60	110	4.9		
		2.1		3.7	2.8	4.6	3.4	5.6	4.1	6.5	4.8	7.6	4.8	7.6	0.7	2.8	60	80	100	5.5		
		2.8		4.6	3.4	5.6	4.1	6.5	6.2	9.4	6.2	9.4	3	4.1	80	80	130	4				
ER250	FC3 & AC1801	0.4	7.7	1.4	0.7	1.9	0.7	1.9	1.4	2.9	1.4	2.9	2.8	4.6	3.4	5.6	1.5	1.4	80	80	100	5.5
		0.7		1.9	0.7	1.9	2.1	3.7	2.8	4.6	3.4	5.6	4.1	6.5	0.2	0.7	80	90	100	3		
		1.4		2.9	2.1	3.7	2.8	4.6	3.4	5.6	4.1	6.5	4.1	6.5	0.3	1.4	80	80	130	4.3		
		2.1		3.7	2.8	4.6	3.4	5.6	4.1	6.5	4.8	7.6	4.8	7.6	0.3	2.8	70	80	120	4.3		
		2.8		4.6	3.4	5.6	4.1	6.5	6.2	9.4	6.2	9.4	0.7	2.8	80	90	130	5.2				
ER350	FC6 AC1802	0.7	12	5.5	0.7	5.5	1.4	8.8	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	1.5	1.4	80	100	150	4.9
		1		7.2	1.4	8.8	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	0.3	2.8	80	100	150	3.4		
		1.4		8.8	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	0.7	2.8	80	100	150	4.9				
		2.1		11.6	2.8	14.3	3.4	17	4.1	19.6	4.8	5.5	25.1	5.5	25.1	1.5	2.1	80	100	150	4.6	
		2.8		14.3	3.4	17	4.1	19.6	4.8	5.5	25.1	6.2	26.9	1.5	4.1	80	130	180	5.2			
ER450	FC2 & AC1802	0.7	19	5.5	0.7	5.5	1	7.2	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	3	4.1	80	130	150	5.5
		1		7.2	1	7.2	1.4	8.8	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	0.2	0.7	100	140	210	4.3
		1.4		8.8	1.4	8.8	2.1	11.6	3.4	17	4.1	19.6	2.8	3.4	17	0.3	1.4	110	130	150	5.5	
		2.1		11.6	2.1	11.6	2.8	14.3	4.1	19.6	4.8	22.3	4.8	22.3	0.3	2.8	100	110	140	6.4		
		2.8		14.3	2.8	14.3	3.4	17	4.1	19.6	5.5	25.1	5.5	25.1	0.7	2.8	130	120	180	6.7		
ER550	FC1 & AC1802	0.7	19	5.5	0.7	5.5	2.1	11.6	2.8	14.3	3.4	17	4.1	19.6	4.8	22.3	1.5	2.1	120	110	160	6.1
		1		7.2	1	7.2	1.4	8.8	2.1	11.6	3.4	17	4.1	19.6	1.5	4.1	100	130	180	6.7		
		1.4		8.8	1.4	8.8	2.1	11.6	3.4	17	4.1	19.6	2.8	3.4	17	3	4.1	110	100	180	6.7	
		2.1		11.6	2.1	11.6	2.8	14.3	4.1	19.6	4.8	22.3	4.8	22.3	0.7	2.8	130	120	180	6.7		
		2.8		14.3	2.8	14.3	3.4	17	4.1	19.6	5.5	25.1	5.5	25.1	1.5	4.1	100	130	180	6.7		
ER650	FC8 & AC1803	1	39	11.6	1.4	14.1	2.1	18.8	3.4	23.2	3.8	27.7	4.1	31.9	4.8	36.1	0.2	1.4	140	150	220	4.9
		1.4		14.1	1.7	16.6	2.8	23.2	3.8	27.7	4.1	31.9	4.8	36.1	0.3	1.4	130	150	200	5.2		
		1.7		16.6	2.1	18.8	3.4	23.2	3.8	27.7	4.1	31.9	4.8	36.1	0.3	3.4	120	130	160	6.7		
		2.1		18.8	2.8	23.2	3.8	27.7	4.1	31.9	4.8	36.1	5.5	40.5	0.7	4.1	130	140	170	6.7		
		2.8		23.2	3.4	27.7	4.1	31.9	4.8	36.1	5.5	40.5	6.2	44.8	1.5	3.4	130	150	150	6.7		
ER750	FC9 & AC1803	1.4	65	14.1	2.1	18.8	2.8	23.2	3.4	27.7	4.1	31.9	4.8	36.1	5.5	40.5	1.5	4.8	100	130	180	5.5
		2.1		18.8	2.8	23.2	3.4	27.7	4.1	31.9	4.8	36.1	5.5	40.5	1.5	6.2	100	130	180	5.5		
		2.8		23.2	3.4	27.7	4.1	31.9	4.8	36.1	5.5	40.5	6.2	44.8	0.2	1.4	150	150	220	5.8		
		3.4		27.7	3.8	29.8	4.5	34	4.8	36.1	5.5	40.5	6.2	44.8	0.3	2.1	140	160	200	6.4		
		4.1		31.9	4.1	36.1	4.8	40.5	5.5	44.8	6.2	48.1	6.2	51.4	0.7	4.1	130	130	180	6.7		
ER850	FC5 & AC1803	2.8	95	23.2	3.8	29.8	4.5	34	5.5	40.5	6.2	44.8	6.2	48.1	6.2	51.4	1.5	3.4	130	150	200	6.1
		3.4		27.7	4.1	31.9	4.8	36.1	5.5	40.5	6.2	44.8	6.2	48.1	1.5	4.8	100	130	200	5.8		
		3.8		29.8	4.5	34	4.8	36.1	5.5	40.5	6.2	44.8	6.2	48.1	0.2	2.8	150	160	180	6.7		
		4.1		31.9	4.8	36.1	5.5	40.5	6.2	44.8	6.2	48.1	6.2	51.4	0.3	4.8	90	110	180	6.1		
		4.5		34	5.5	40.5	6.2	44.8	6.2	48.1	6.2	51.4	6.2	51.4	0.7	6.2	80	100	150	5.5		

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

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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.

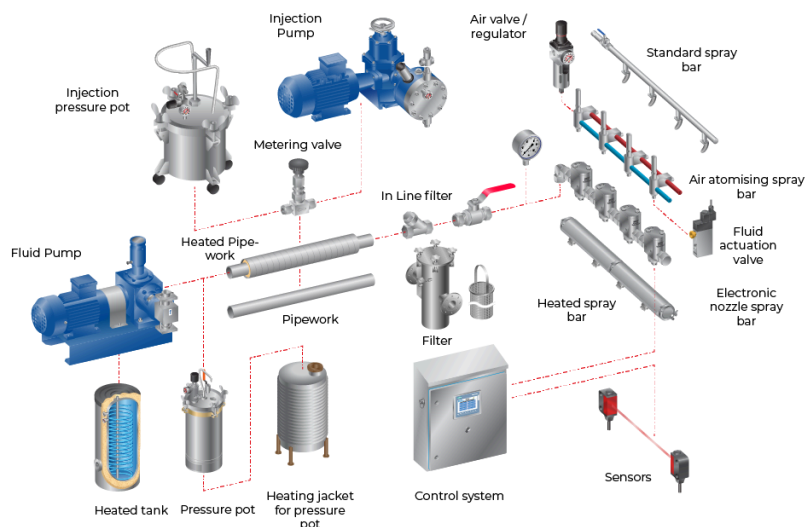
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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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



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