

Liquid Atomizing Spray Nozzles

OmniStream™ Cone Nozzles - 1/2 NPT



Model: FL5032SS

Material: Type 303 Stainless Steel

Model: FL5040SS

Material: Type 303 Stainless Steel

Model: FL5048SS

Material: Type 303 Stainless Steel

Model: FL5056SS

Material: Type 303 Stainless Steel

Model: FL5064SS

Material: Type 303 Stainless Steel

Model: FL5072SS

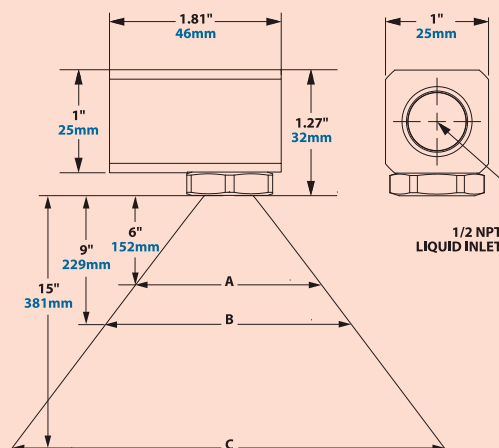
Material: Type 303 Stainless Steel

Model FL5032SS, FL5040SS, FL5048SS, FL5056SS, FL5064SS and FL5072SS

EXAIR's 1/2 NPT OmniStream Cone Nozzles, with a full cone spray pattern, are among the most common type of spray nozzles. Full cone spray nozzles are applied to solve cooling, cleaning, washing, rinsing and dust suppression applications throughout industry. Their tangential flow design is vaneless, which creates wide open internal features to resist clogging. This produces a uniform distribution in a full cone round pattern and medium to large droplets. Their right-angle design is compact and operates at up to 250 PSI liquid pressure. OmniStream nozzles also work well with liquids containing particulate.

Dimensions Spray Pattern

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drawings at
EXAIR.com



1/2 NPT OmniStream Cone Nozzle with cone spray pattern is cleaning red potatoes.



Compared to EXAIR's Air Atomizing Spray Nozzles the OmniStream will have higher liquid flow rates.

For maximum liquid conservation and spray control visit Air Atomizing Nozzles on page 70.

OmniStream Cone Nozzles											Spray Angle										
Inlet Connection	Model	Capacity	Max Free Passage	Flow Rate GPM/LPM							Inlet Pressure PSI/BAR		Width								
					3 PSI	5 PSI	7 PSI	10 PSI	20 PSI	40 PSI			60 PSI	A		B		C			
												in	cm	in	cm	in	cm				
1/2 NPT	FL5032SS	32	0.201"	GPM	1.74	2.46	2.80	3.20	4.46	6.28	7.30	7	0.5	9.4	23.9	14.1	35.81	23.4	59.4	FL5032SS	
				LPM	6.59	9.31	10.60	12.11	16.88	23.77	27.63	20	1.4	10.1	25.7	15.1	38.3	25.2	64.0		
	FL5040SS	40	0.242"	GPM	2.68	3.14	3.52	4.00	5.60	7.80	8.76	7	0.5	10.1	25.7	15.1	38.4	25.2	64.0	FL5040SS	
				LPM	10.14	11.89	13.32	15.14	21.20	29.53	33.16	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2		
	FL5048SS	48	0.281"	GPM	3.06	3.56	3.96	4.80	6.81	9.58	11.73	7	0.5	10.1	25.7	15.1	38.4	25.2	64.0	FL5048SS	
				LPM	11.28	13.48	15.00	18.17	25.78	39.26	44.40	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2		
	FL5056SS	56	0.295"	GPM	3.32	4.18	4.67	5.60	7.89	11.22	13.74	7	0.5	11.0	28.0	16.5	42.0	27.5	69.9	FL5056SS	
				LPM	12.57	15.82	17.68	21.20	29.87	42.47	52.01	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2		
	FL5064SS	64	0.328"	GPM	3.50	4.50	5.15	6.40	9.13	12.70	15.81	7	0.5	11.0	28.0	16.5	42.0	27.5	69.9	FL5064SS	
				LPM	13.25	17.03	19.49	24.23	34.56	48.07	59.85	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2		
	FL5072SS	72	0.359"	GPM	4.08	5.00	6.17	7.20	10.17	14.40	17.64	7	0.5	11.0	28.0	16.5	42.0	27.5	69.9	FL5072SS	
				LPM	15.44	18.93	23.36	27.25	38.50	54.51	66.77	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2		
													60	4.1	13.1	33.3	19.6	49.8	32.7	83.1	

