

Liquid Atomizing Spray Nozzles

FullStream™ Cone Nozzles - 1/4 NPT



Model: FL1008SS
Material: Type 303 Stainless Steel



Model: FL1010SS
Material: Type 303 Stainless Steel

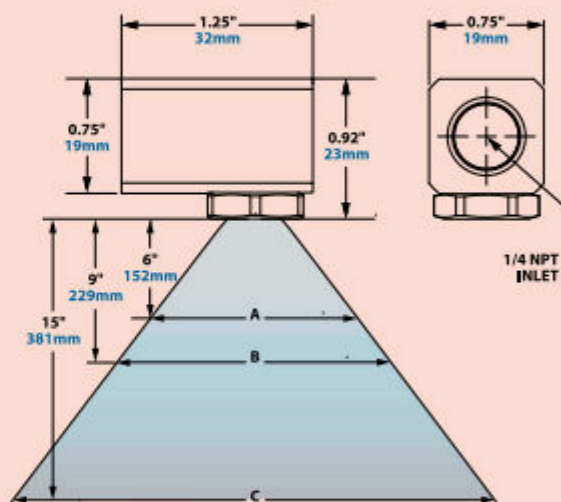


Model: FL1011SS
Material: Type 303 Stainless Steel

Model FL1008SS, FL1010SS and FL1011SS
EXAIR's 1/4 NPT FullStream 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. FullStream nozzles also work well with liquids containing particulate.

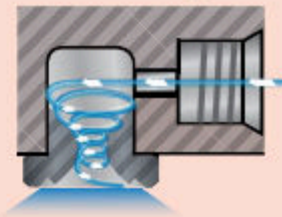
Dimensions and Spray Pattern

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How FullStream and HollowStream Cone Nozzles Work

With FullStream and HollowStream nozzles, the atomizing fluid is supplied into the body of the nozzle creating a swirling action within the vortex chamber. This vortex produces a full cone spray pattern when the precisely machined nozzle breaks the liquid surface tension as it exits the orifice at a controlled spray angle.



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

For maximum liquid conservation and spray control visit page 71.



1/4 NPT FullStream Cone Nozzle with cone spray pattern is rinsing anodized aluminium pipe.

FullStream Cone Nozzles										Spray Angle														
Inlet Connection	Model	Capacity	Max Free Passage	Flow Rate GPM/LPM								Inlet		Width										
				3 psi	5 psi	7 psi	10 psi	20 psi	40 psi	60 psi	Pressure PSI/BAR	A		B		C								
1/4 NPT	FL1008SS	8	0.109"	GPM	0.50	0.60	0.70	0.80	1.15	1.55	1.80	7	0.5	5.7	14	8.6	22	14.3	36					
				LPM	1.89	2.27	2.65	3.03	4.35	5.87	6.81	20	1.4	7.4	19	11.0	28	18.4	47					
				60	4.1	8.4	21	12.6	32	21.0	53	FL1008SS												
																	7	0.5	6.8	17	10.2	26	17.0	43
	FL1010SS	10	0.125"	GPM	0.48	0.67	0.83	1.00	1.34	1.88	2.36	20	1.4	8.7	22	13.1	33	21.8	55					
				LPM	1.82	2.54	3.14	3.79	5.07	7.12	8.93	60	4.1	10.1	26	15.1	38	25.2	64					
																	7	0.5	6.8	17	10.2	26	17.0	43
																	20	1.4	8.7	22	13.1	33	21.8	55
	FL1011SS	11	0.144"	GPM	0.62	0.85	0.96	1.10	1.51	2.21	2.66	60	4.1	10.1	26	15.1	38	25.2	64					
				LPM	2.35	3.22	3.63	4.16	5.72	8.36	10.07	FL1011SS												
																	7	0.5	6.8	17	10.2	26	17.0	43
																	20	1.4	8.7	22	13.1	33	21.8	55



Liquid Atomizing Spray Nozzles

FullStream™ Cone Nozzles - 3/8 NPT



Model: FL3011SS

Material: Type 303 Stainless Steel



Model: FL3013SS

Material: Type 303 Stainless Steel



Model: FL3016SS

Material: Type 303 Stainless Steel



Model: FL3020SS

Material: Type 303 Stainless Steel



Model: FL3023SS

Material: Type 303 Stainless Steel



Model: FL3026SS

Material: Type 303 Stainless Steel



Model: FL3029SS

Material: Type 303 Stainless Steel

Model FL3011SS, FL3013SS, FL3016SS, FL3020SS, FL3023SS, FL3026SS and FL3029SS

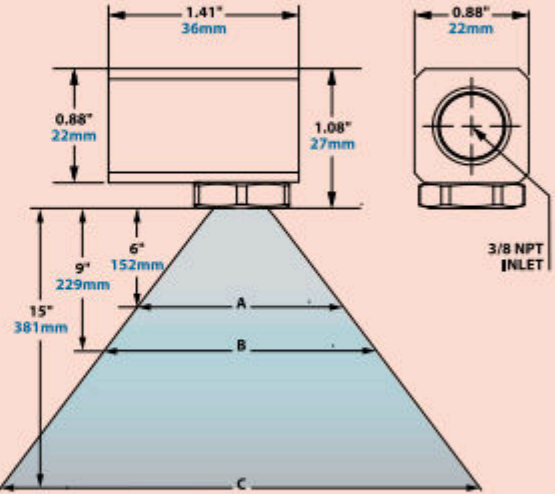
EXAIR's 3/8 FullStream Cone Nozzles, with a full cone spray pattern, are among the most common type of spray nozzles. Full cone spray nozzles are applied to solve cooling, cleaning, washing, rinsing and dust suppression applications throughout industry. Their tangential flow design is vaneless, which 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. FullStream nozzles also work well with liquids containing particulate.

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Dimensions and Spray Pattern

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3/8 NPT FullStream Cone Nozzle washing the inside of a 55 gallon drum.



Spray Nozzles

		FullStream Cone Nozzles							Spray Angle														
Inlet Connection	Model	Capacity	Max Free Passage	Flow Rate GPM/LPM							Inlet		Width										
				3 psi	5 psi	7 psi	10 psi	20 psi	40 psi	60 psi	Pressure PSI/BAR	A			B			C					
				GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	in	cm	in	cm	in	cm	in	cm	in	cm		
3/8 NPT	FL3011SS	11	0.128"	GPM	0.57	0.76	0.91	1.10	1.52	2.20	2.70	7	0.5	8.1	21	12.1	31	20.2	51				
				LPM	2.16	2.88	3.44	4.16	5.75	8.33	10.22	20	1.4	9.9	25	14.8	38	24.7	63				
	FL3013SS	13	0.144"	GPM	0.75	0.95	1.13	1.30	1.86	2.60	3.34	7	0.5	7.6	19	11.5	29	19.1	49				
				LPM	2.84	3.60	4.28	4.92	7.04	9.84	12.64	20	1.4	9.0	23	13.6	35	22.6	57				
	FL3016SS	16	0.154"	GPM	0.98	1.10	1.25	1.60	2.23	2.90	3.60	7	0.5	7.6	19	11.5	29	19.1	49				
				LPM	3.71	4.16	4.73	6.06	8.44	10.98	13.63	20	1.4	9.7	25	14.6	37	24.3	62				
	FL3020SS	20	0.172"	GPM	1.22	1.64	1.88	2.00	2.98	4.24	4.82	7	0.5	8.4	21	12.6	32	21.0	53				
				LPM	4.62	6.21	7.12	7.57	11.28	16.05	18.24	20	1.4	9.9	25	14.8	38	24.7	63				
	FL3023SS	23	0.189"	GPM	1.36	1.76	1.96	2.30	3.18	4.56	5.38	7	0.5	9.0	23	13.6	35	22.6	57				
				LPM	5.15	6.66	7.42	8.71	12.04	17.26	20.36	20	1.4	10.2	26	15.4	39	25.6	65				
	FL3026SS	26	0.204"	GPM	1.26	1.80	2.02	2.60	3.30	5.18	6.12	7	0.5	9.7	25	14.6	37	24.3	62				
				LPM	4.77	6.81	7.65	9.84	12.49	19.61	23.17	20	1.4	10.8	27	16.2	41	27.0	69				
	FL3029SS	29	0.221"	GPM	1.30	1.84	2.28	2.90	3.62	5.48	6.48	7	0.5	9.9	25	14.8	38	24.7	63				
				LPM	4.92	6.97	8.63	10.98	13.70	20.74	24.53	20	1.4	10.8	27	16.2	41	27.0	69				
					GPM	4.92	6.97	8.63	10.98	13.70	20.74	24.53	60	4.1	12.0	30	18.0	46	30.0	76			
					GPM	4.92	6.97	8.63	10.98	13.70	20.74	24.53	60	4.1	12.0	30	18.0	46	30.0	76			



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Liquid Atomizing Spray Nozzles

FullStream™ 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

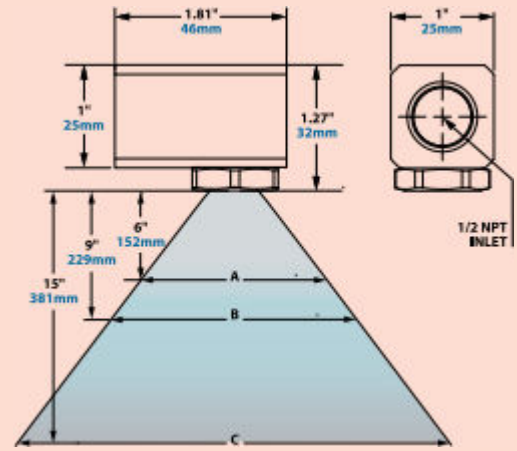
Model FL5032SS, FL5040SS, FL5048SS, FL5056SS, FL5064SS and FL5072SS EXAIR's 1/2 NPT FullStream Cone Nozzles, with a full cone spray pattern, are among the most common type of spray nozzles. Full cone spray nozzles are applied to solve cooling, cleaning, washing, rinsing and dust suppression applications 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. FullStream nozzles also work well with liquids containing particulate.

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Dimensions and Spray Pattern

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

FullStream 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																																		
				GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	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	20										1.4	10.1	25.7	15.1	38.3	25.2	64.0																								
				GPM	2.68	3.14	3.52	4.00	5.60	7.80																		60	4.1	12.0	30.5	18.0	45.7	30.0	76.2																
				LPM	10.14	11.89	13.32	15.14	21.20	29.53																										7	0.5	10.1	25.7	15.1	38.4	25.2	64.0								
				GPM	3.06	3.56	3.96	4.80	6.81	9.58																																		20	1.4	12.0	30.5	18.0	45.7	30.0	76.2
				LPM	11.28	13.48	15.00	18.17	25.78	39.26																																									
	GPM	3.32	4.18	4.67	5.60	7.89	11.22	7	0.5	11.0		28.0	16.5	42.0	27.5	69.9																																			
	LPM	12.57	15.82	17.68	21.20	29.87	42.47				20						1.4	12.0	30.5	18.0	45.7	30.0	76.2																												
	GPM	3.50	4.50	5.15	6.40	9.13	12.70																	60	4.1	13.1	33.3	19.6	49.8	32.7	83.1																				
	LPM	13.25	17.03	19.49	24.23	34.56	48.07																									7	0.5	11.0	28.0	16.5	42.0	27.5	69.9												
	GPM	4.08	5.00	6.17	7.20	10.17	14.40																																	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2				
	LPM	15.44	18.93	23.36	27.25	38.50	54.51																																									60	4.1	13.1	33.3
	GPM	4.08	5.00	6.17	7.20	10.17	14.40	7	0.5	11.0		28.0	16.5	42.0	27.5	69.9																																			
	LPM	15.44	18.93	23.36	27.25	38.50	54.51				20						1.4	12.0	30.5	18.0	45.7	30.0	76.2																												
	GPM	4.08	5.00	6.17	7.20	10.17	14.40																	60	4.1	13.1	33.3	19.6	49.8	32.7	83.1																				
	LPM	15.44	18.93	23.36	27.25	38.50	54.51																									7	0.5	11.0	28.0	16.5	42.0	27.5	69.9												
	GPM	4.08	5.00	6.17	7.20	10.17	14.40																																	20	1.4	12.0	30.5	18.0	45.7	30.0	76.2				
	LPM	15.44	18.93	23.36	27.25	38.50	54.51																																									60	4.1	13.1	33.3

