



Features

A full cone spray pattern with larger flow rates and smaller droplet sizes. Durable, one-piece, anti-clog design has no internal vane to clog or wear out.

Applications

- Gas Scrubbing, Wet Scrubber, Cooling, Chemical processes, Fire Suppression.

• FSR series

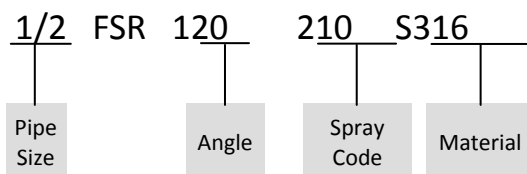
Model	Pipe Conn. Size BSPT	Spray Angle					Spray Code	Free Pass Dia. (mm)	Orifice Dia. (mm)	Flow Rate (L/min)					
		60	90	120	150	170				Flow Rate (L/min)					
										0.5 Bar	1.5 Bar	3 Bar	5 Bar	10 Bar	25 Bar
FSR	1/4	•	•	•	•	•	07	2.38	2.38	2.2	3.9	5.5	7.1	10.1	16.3
		•	•	•	•	•	13	3.18	3.18	4.1	7.3	10.3	13.2	18.7	30.5
		•	•	•	•	•	20	3.18	3.97	6.4	11.2	15.8	20.4	28.8	46.8
	3/8	•	•	•	•	•	30	3.18	4.76	9.6	16.7	23.7	30.6	43.2	68.3
		•	•	•	•	•	40	3.18	5.56	13.1	22	32.1	41.3	54.8	91.2
		•	•	•	•	•	53	3.18	6.35	17.1	30	41.8	54.2	76.4	121
	1/2	•	•	•	•	•	120	4.76	9.53	38.8	67	95.1	123	174	270
		•	•	•	•	•	164	4.76	11.1	53.2	92	130	168	238	370
3/4	•	•	•	•	•	210	4.76	12.7	67.7	117	166	214	303	480	
1	•	•	•	•	•	340	6.35	15.9	108	190	264	341	483	775	
	•	•	•	•	•	470	6.35	19.1	153	260	375	484	685	1070	
1-1/2	•	•	•	•	•	640	7.94	22.2	208	355	509	657	980	1460	
	•	•	•	•	•	820	7.94	25.4	272	455	667	861	1220	1870	
	•	•	•	•	•	960	7.94	28.6	309	535	758	978	1380	2190	
2	•	•	•	•	•	1400	11.1	34.9	451	780	1110	1430	2020	3190	
	•	•	•	•	•	1780	11.1	38.1	570	995	1400	1800	2550	4060	
3	•	•	•	•	•	2560	14.3	44.5	825	1430	2020	2610	3690	5830	
	•	•	•	•	•	3360	14.3	50.8	1090	1880	2680	3460	4891	7660	

Full Cone Pattern

How to order

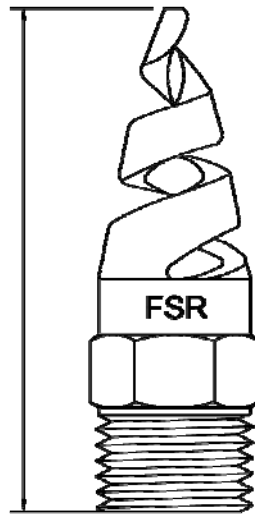
Please order for a specific nozzle on this coding system

<Example>



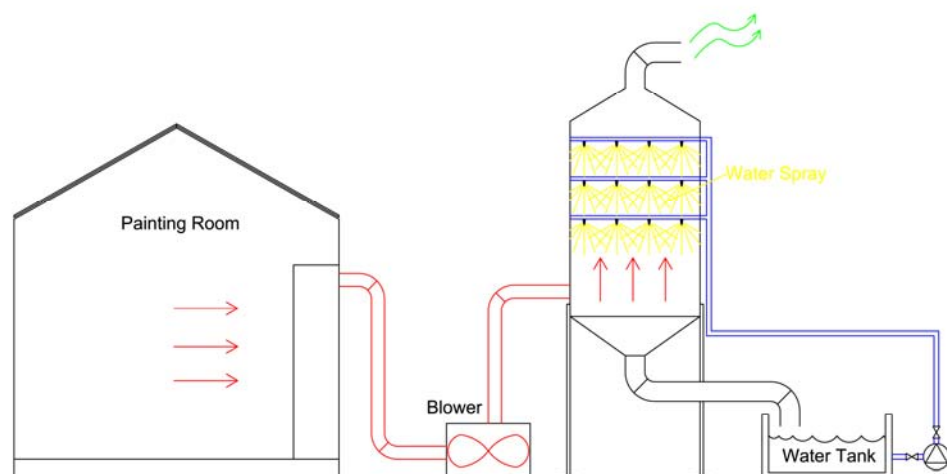
Material Available:
Stainless Steel SS316
Plastic POM, PP,
PVC, PTFE

Dimension



Size	Length (mm)	Hex (mm)
1/4	47.6	14.3
3/8	47.6	17.5
1/2	63.5	22.2
3/4	70.1	28.6
1	92.2	34.9
1 1/2	111	50.8
2	175	63.5
3	203	88.9

Example Application



FSR Nozzle used for wet scrubber.