



REDUCE COSTLY CLOGGING PROBLEMS WITH RFP FULLJET® NOZZLES

MAXIMUM FREE PASSAGE FULLJET® SPRAY NOZZLES

UNIQUE DESIGN PROVIDES LARGEST FREE PASSAGE OF ANY FULL CONE NOZZLE

If you're using a conventional full cone nozzle or a competitive maximum free passage nozzle and are challenged by clogging problems, it's time to make a change. Our RFP FullJet nozzles feature a unique vane design and provide the largest free passage available in a full cone nozzle,

You'll experience benefits like:

- Minimized risk of clogging even when using debris-filled or recirculated liquid
- Reduced unscheduled downtime due to clogged nozzles
- Improved product/process quality by eliminating problems caused by distorted spray patterns due to contaminants trapped in the nozzle

NEW 3/8" to 1-1/2" SIZES FOR HIGH FLOW OPERATIONS

- 3/8" to 1-1/2" threaded male and female connections with 316 stainless steel vane and choice of brass or 316 stainless steel bodies
- Spray angles: 60°, 90° or 120°
- Flow rates up to 384 lpm
- Operating pressures up to 6 bar



Spraying Systems Co.®
Experts in Spray Technology

COMPARING FREE PASSAGE BETWEEN RFP FULLJET NOZZLE AND STANDARD FULLJET NOZZLES

Particulates that are 30 to 75% larger in diameter can pass through RFP FullJet nozzles without clogging.

Largest particle to pass through standard full cone nozzles



Largest particle to pass through maximum free passage full cone nozzles



RFP FULLJET® NOZZLES ARE IDEAL FOR

- Applications plagued by clogging problems.
- Washdown of mist eliminator blades, filter pads and distribution plates
- Washing coal, sand, and other minerals
- Process cooling
- Gas cooling and flue gas desulfurization
- Fire protection of offshore platforms, storage tanks and hazardous loading areas
- Flooding/deluge fire protection systems
- Foam control
- Aerating waste water

Performance Data

Inlet Conn. (inch)	Nozzle Type		Capacity	Approx. Free Passage Dia (mm)	Flow Rate (Litres per minute)				Spray Angle (°)					
					Pressure in bars				60° Series		90° Series		120° Series	
	RFPH	RFPHH			0.7	1.5	3	6	10 psi (0.7 bar)	40 psi (3.0 bar)	10 psi (0.7 bar)	40 psi (3.0 bar)	10 psi (0.7 bar)	40 psi (3.0 bar)
3/8	•	•	12	3.18	5.3	7.6	10.5	14.5	60	62	90	84	120	115
	•	•	20	3.97	7.43	10.6	14.7	20.4	60	62	90	84	120	115
	•	•	28	4.76	10.7	15.3	21.2	29.4	60	62	90	84	120	115
1/2	•	•	28	4.76	10.7	15.3	21.2	29.4	60	62	90	84	120	115
	•	•	45	5.56	17.1	24.5	33.9	46.9	60	62	90	84	120	115
	•	•	51	6.35	19.2	27.5	38.0	52.7	60	62	90	84	120	115
3/4	•	•	62	7.14	23.6	33.8	46.8	64.8	60	62	90	84	120	115
	•	•	75	7.94	28.5	40.8	56.5	78.2	60	62	90	84	120	115
	•	•	92	8.73	35.0	50.1	69.4	96.1	60	62	90	84	120	115
	•	•	95	8.73	36.0	51.5	71.3	98.8	60	62	90	84	120	115
	•	•	109	9.53	41.3	59.1	81.8	113.4	60	62	90	84	120	115
1	•	•	109	9.53	41.3	59.1	81.8	113.4	60	62	90	84	120	115
	•	•	130	10.3	49.2	70.4	97.5	135.1	60	62	90	84	120	115
	•	•	135	10.3	51	73.0	101.1	140.0	60	62	90	84	120	115
	•	•	153	11.1	57.8	82.7	114.5	158.7	60	62	90	84	120	115
1- 1/4	•	•	153	11.1	57.8	82.7	114.5	158.7	60	62	90	84	120	115
	•	•	196	12.7	74.3	106.3	147.2	204.0	60	62	90	84	120	115
	•	•	218	13.5	82.5	118.0	163.5	226.5	60	62	90	84	120	115
	•	•	239	14.3	90.5	129.5	179.3	248.4	60	62	90	84	120	115
	•	•	245	14.3	92.7	132.6	183.7	254.5	60	62	90	84	120	115
1- 1/2	•	•	239	14.3	90.5	129.5	179.3	248.4	60	62	90	84	120	115
	•	•	272	15.1	103	147.4	204.1	282.7	60	62	90	84	120	115
	•	•	291	15.9	110	157.4	218.0	301.9	60	62	90	84	120	115
	•	•	354	16.7	134	191.7	265.6	367.8	60	62	90	84	120	115
	•	•	370	17.5	140	200.3	277.4	384.3	60	62	90	84	120	115

Approximate free passage diameter is the approximate diameter as listed of foreign matter that can pass through the nozzle without clogging. Highlighted column shows the rated pressure.

Ordering Information

XXX – XXX – XXX – XXX – XXX

Inlet Connection Size _____

Nozzle Type (RFP **H** or **HH**) _____

Material Code _____

Spray Angle _____

Capacity Size _____

Note :

RFP H – Female Thread

RFP HH – Male Thread

BSPT connections require addition of a 'B' prior to inlet connection.

Use material code 316 SS for 316 stainless steel and SP for special material (Define the requirement).



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Experts in Spray Technology

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