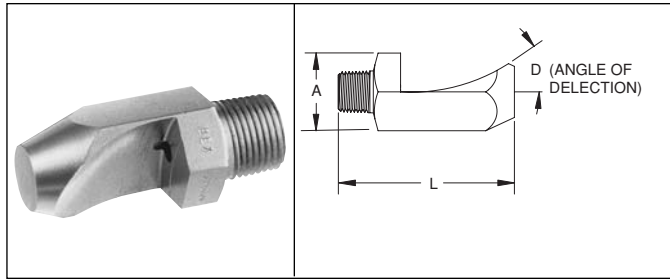


# High impact flat spray nozzles

# FP SERIES



## SPRAY CHARACTERISTICS:

A flat and thin fan-shaped spray with sharp definition on all edges. This spray delivers very high impact over the area covered. The spray is deflected by angle D away from the centerline of the spray nozzle.

## CONSTRUCTION:

The models listed are machined from bar stock, and are one piece construction. Standard materials are brass, 303 stainless steel and 316 stainless steel.

## TYPICAL APPLICATIONS:

- High Impact Applications
- Metal Wash
- Gravel Washing
- Vehicle Washing

SPRAY ANGLE @ 3 bar	MODEL NUMBER	PIPE SIZE BSPT	ORIFICE DIA. (mm)	ANGLE 'D' @ 3 bar	Dimensions (mm)		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)								SPRAY ANGLE @			
					'A'	'L'	1	1.5	2	2.5	3	4	5	6	1	3	5	
							bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
50°	1/8FP5001	1/8	0.61	40°	17 Hex	21.1	0.23	0.28	0.32	0.36	0.39	0.46	0.51	0.56	30°	50°	58°	
	1/4FP50025	1/4	0.97	41°	17 Hex	27.3	0.57	0.70	0.81	0.90	0.99	1.14	1.27	1.40	29°	50°	57°	
	1/4FP5005	1/4	1.35	41°	17 Hex	28.3	1.14	1.40	1.61	1.80	1.97	2.28	2.55	2.79	30°	50°	59°	
	1/4FP5010	1/4	1.91	52°	17 Hex	31.8	2.28	2.79	3.2	3.6	3.9	4.6	5.1	5.6	32°	50°	59°	
	1/4FP5025	1/4	3.00	40°	17 Hex	33.3	5.7	7.0	8.1	9.0	9.9	11.4	12.7	14.0	41°	50°	58°	
	3/8FP5025	3/8	3.00	40°	17 Hex	34.9	5.7	7.0	8.1	9.0	9.9	11.4	12.7	14.0	41°	50°	58°	
	1/4FP5040	1/4	3.78	45°	22 Hex	47.7	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	42°	50°	59°	
	3/8FP5040	3/8	3.78	44°	22 Hex	48.4	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	40°	50°	59°	
	3/8FP5060	3/8	4.65	40°	22 Hex	55.5	13.7	16.7	19.3	21.6	23.7	27.3	30.6	33	41°	50°	52°	
	3/8FP50100	3/8	5.99	38°	31.8Hex	69.9	22.8	27.9	32	36	39	46	51	56	44°	50°	54°	
	3/8FP50125	3/8	6.76	34°	31.8Hex	65.3	28.5	35	40	45	49	57	64	70	39°	50°	57°	
	3/8FP50160	3/8	7.57	37°	31.8Hex	67.8	36	45	52	58	63	73	82	89	46°	50°	55°	
3/8FP50200	3/8	8.33	33°	34.9Hex	73.0	46	56	64	72	79	91	102	112	47°	50°	55°		
40°	3/8FP4040	3/8	3.78	34°	22 Hex	53.1	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	29°	40°	48°	
	3/8FP4050	3/8	4.24	32°	31.8Hex	56.9	11.4	14.0	16.1	18.0	19.7	22.8	25.5	27.9	30°	40°	47°	
	3/8FP4060	3/8	4.65	31°	28.6Hex	72.2	13.7	16.7	19.3	21.6	23.7	27.3	30.6	33	31°	40°	50°	
	3/8FP4070	3/8	5.00	28°	31.8Hex	71.9	16.0	19.5	22.6	25.2	27.6	32	36	39	33°	40°	50°	
	3/8FP4080	3/8	5.36	28°	31.8Hex	71.9	18.2	22.3	25.8	28.8	32	36	41	45	33°	40°	48°	
	3/8FP4090	3/8	5.79	28°	31.8Hex	71.9	20.5	25.1	29.0	32	36	41	46	50	34°	40°	46°	
	3/8FP40100	3/8	5.99	31°	31.8Hex	74.6	22.8	27.9	32	36	39	46	51	56	34°	40°	46°	
	35°	1/8FP3504	1/8	1.19	36°	11 Hex	49.2	0.91	1.12	1.29	1.44	1.58	1.82	2.04	2.23	20°	35°	41°
		1/4FP3510	1/4	1.91	37°	17 Hex	36.5	2.28	2.79	3.2	3.6	3.9	4.6	5.1	5.6	18°	35°	38°
1/4FP3520		1/4	2.67	30°	17 Hex	39.4	4.6	5.6	6.4	7.2	7.9	9.1	10.2	11.2	25°	35°	42°	
3/8FP3520		3/8	2.67	32°	17 Hex	40.2	4.6	5.6	6.4	7.2	7.9	9.1	10.2	11.2	25°	35°	41°	
3/8FP3525		3/8	2.97	29°	17 Hex	50.8	5.7	7.0	8.1	9.0	9.9	11.4	12.7	14.0	24°	35°	41°	
3/8FP3530		3/8	3.25	28°	22 Hex	54.2	6.8	8.4	9.7	10.8	11.8	13.7	15.3	16.7	25°	35°	42°	
3/8FP3540		3/8	3.78	31°	22 Hex	60.4	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	29°	35°	42°	
3/8FP3550		3/8	4.24	26°	25.4Hex	63.5	11.4	14.0	16.1	18.0	19.7	22.8	25.5	27.9	30°	35°	40°	
1/2FP3560		1/2	4.65	29°	27 Hex	73.0	13.7	16.7	19.3	21.6	23.7	27.3	30.6	33	27°	35°	40°	
1/2FP3580		1/2	5.36	22°	31.8Hex	79.9	18.2	22.3	25.8	28.8	31.6	36.5	40.8	44.7	25°	35°	38°	
1/2FP35100		1/2	5.61	24°	31.8Hex	88.9	22.8	27.9	32	36	39	46	51	56	25°	35°	40°	
3/4FP35160		3/4	7.49	22°	31.8Hex	117.0	36	45	52	58	63	73	82	89	26°	35°	39°	
3/4FP35200		3/4	8.46	24°	31.8Hex	110.3	46	56	64	72	79	91	102	112	31°	35°	42°	
25°	1/4FP2540	1/4	3.78	24°	22 Hex	68.2	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	22°	25°	27°	
15°	1/4FP1510	1/4	1.91	22°	17Hex	49.0	2.28	2.79	3.2	3.6	3.9	4.6	5.1	5.6	--	15°	21°	
	1/4FP1520	1/4	2.67	16°	17Hex	57.2	4.6	5.6	6.4	7.2	7.9	9.1	10.2	11.2	--	15°	18°	
	3/8FP1530	3/8	3.28	20°	22Hex	73.4	6.8	8.4	9.7	10.8	11.8	13.7	15.3	16.7	8°	15°	24°	
	3/8FP1540	3/8	3.78	13°	22Hex	95.3	9.1	11.2	12.9	14.4	15.8	18.2	20.4	22.3	8°	15°	20°	
	3/8FP1550	3/8	4.24	14°	22Hex	92.1	11.4	14.0	16.1	18.0	19.7	22.8	25.5	27.9	8°	15°	22°	
	1/2FP1560	1/2	4.65	14°	25.4Hex	111.8	13.7	16.7	19.3	21.6	23.7	27.3	30.6	33	11°	15°	18°	
	1/2FP1580	1/2	5.54	14°	28.6Hex	130.2	18.2	22.3	25.8	28.8	32	36	41	45	11°	15°	18°	
	1/2FP15100	1/2	5.99	15°	28.6Hex	138.1	22.8	27.9	32	36	39	46	51	56	11°	15°	17°	
	3/4FP15200	3/4	8.46	15°	38.1Hex	189.5	46	56	64	72	79	91	102	112	11°	15°	17°	
	3/4FP15300	3/4	10.36	15°	44.5Hex	190.5	68	84	97	108	118	137	153	167	12°	15°	18°	

'--' means not recommended at this pressure

See pages 2, 3 and 4 for engineering data and spray coverage.

FLAT SPRAY