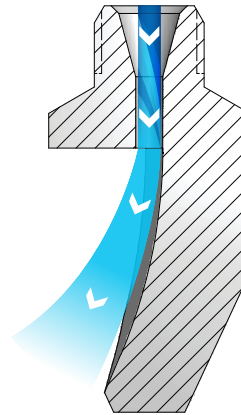


OVERVIEW: FLATJET

- Provides higher impact than other narrow angle nozzles
- Deflected type flat fan spray pattern
- Ideal for conveyor cleaning
- Spray angles from 15° to 50°
- Uniform spray distribution from .24 to 39 gpm (.91 to 144 lpm)
- Operating pressures up to 150 psi (10 bar)



FlatJet Nozzles

As liquid passes through the nozzle, it hits the deflector surface and spreads out to form a flat spray pattern. The distribution is even from the center of the spray. The combination of medium- to large-flow rates and narrow spray angles produce a high impact spray.

FLATJET OPTIONS



ORDERING INFORMATION

FLATJET P

Inlet Conn.	Nozzle Type	—	Material Code	Spray Angle	Capacity Size	Example
						3/8 P — SS 50 60

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

**RELATIVE DROP SIZE
IN MICRONS**



Drop size will vary based on flow rate and pressure.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
P	M	1/8 to 3/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS)	C48-C49	C48-C49

M = male thread. There is no material code for brass. Leave material code blank when ordering. Other materials available upon request.
For more dimensions and sizes, contact your sales engineer.

N PERFORMANCE DATA:
NARROW ANGLE SPRAY

Spray Angle (°) at 3 bar	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)							Spray Angle (°)			Dimensions			
		P	1/8	1/4	3/8	1/2			3/4	1 bar	1.5 bar	3 bar	6 bar	7 bar	10 bar	1 bar	3 bar	7 bar	A Length (mm)	B Deflection Angle (°)	C Bar Size (mm sq.)	Net Weight (kg)
50	●		●				05	1.3	1.1	1.4	2.0	2.8	3.0	3.6	33	50	60	31	60	15.9	.03	
	●		●				10	1.9	2.3	2.8	3.9	5.6	6.0	7.2	34	50	60	31	60	15.9	.03	
	●		●	●			25	3.0	5.7	7.0	9.9	14.0	15.1	18.0	42	50	59	41.5	42	19.1	.09	
	●		●	●			40	3.8	9.1	11.2	15.8	22	24	29	39	50	60	47	45	19.1	.09	
	●			●			60	4.6	13.7	16.8	24	34	36	43	42	50	53	55	37	25.4	.14	
	●			●			100	5.9	23	28	39	56	60	72	43	50	55	72	40	31.8	.33	
	●			●			125	6.6	28	35	49	70	75	90	38	50	59	72	38	31.8	.31	
	●			●			160	7.5	36	45	63	89	96	115	44	50	55	72	37	31.8	.31	
	●			●			200	8.4	46	56	79	112	121	144	46	50	53	72	32	31.8	.31	
40	●			●			40	3.8	9.1	11.2	15.8	22	24	29	31	40	50	60.5	35	22.2	.14	
	●			●			50	4.2	11.4	14.0	19.7	28	30	36	31	40	49	63.5	33	25.4	.20	
	●			●			60	4.6	13.7	16.8	24	34	36	43	32	40	49	72	33	25.4	.23	
	●			●			70	5.0	16.0	19.5	28	39	42	50	32	40	49	75.5	29	25.4	.26	
	●			●			80	5.3	18.2	22	32	45	48	58	32	40	48	77	26	25.4	.26	
	●			●			90	5.6	21	25	36	50	54	65	34	40	44	77	28	25.4	.23	
	●			●			100	5.9	23	28	39	56	60	72	35	40	44	86.5	28	25.4	.26	

Highlighted column shows the rated pressure.



N PERFORMANCE DATA:
NARROW ANGLE SPRAY

Spray Angle (°) at 3 bar	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)						Spray Angle (°)			Dimensions			
		P	1/8	1/4	3/8	1/2			3/4	1 bar	1.5 bar	3 bar	6 bar	7 bar	10 bar	1 bar	3 bar	7 bar	A Length (mm)	B Deflection Angle (°)	C Bar Size (mm sq.)
35	●	●					04	1.2	.91	1.1	1.6	2.2	2.4	2.9	20	35	41	23	40	11.1	.01
	●		●				10	1.9	2.3	2.8	3.9	5.6	6.0	7.2	18	35	39	36.5	36	15.9	.06
	●		●	●			20	2.7	4.6	5.6	7.9	11.2	12.1	14.4	24	35	40	42	30	19.1	.06
	●			●			25	3.0	5.7	7.0	9.9	14.0	15.1	18.0	24	35	39	49	28	19.1	.09
	●			●			30	3.3	6.8	8.4	11.8	16.8	18.1	22	26	35	41	52.5	28	19.1	.09
	●			●			40	3.8	9.1	11.2	15.8	22	24	29	28	35	38	58	26	22.2	.11
	●			●			50	4.2	11.4	14.0	19.7	28	30	36	31	35	38	63.5	23	22.2	.14
	●				●		60	4.6	13.7	16.8	24	34	36	43	29	35	39	73	27	25.4	.23
	●				●		80	5.3	18.2	22	32	45	48	58	26	35	40	81	24	25.4	.26
	●				●		100	5.9	23	28	39	56	60	72	26	35	40	89	19	25.4	.26
	●					●	160	7.5	36	45	63	89	96	115	26	35	40	114	23	31.8	.57
	●					●	200	8.4	46	56	79	112	121	144	25	35	40	122	22	31.8	.57
25	●		●				40	3.8	9.1	11.2	15.8	22	24	29	15	25	34	65	25	19.1	.11
15	●		●				10	1.9	–	2.8	3.9	5.6	6.0	7.2	–	15	23	47.5	22	15.9	.06
	●		●				20	2.7	–	5.6	7.9	11.2	12.1	14.4	–	15	19	54	19	15.9	.06
	●			●			30	3.3	6.8	8.4	11.8	16.8	18.1	22	6	15	24	72	25	19.1	.11
	●			●			40	3.8	9.1	11.2	15.8	22	24	29	8	15	21	92	18	22.2	.23
	●			●			50	4.2	11.4	14.0	19.7	28	30	36	9	15	20	90.5	15	22.2	.17
	●				●		60	4.6	13.7	16.8	24	34	36	43	10	15	19	125	14	25.4	.34
	●				●		80	5.3	18.2	22	32	45	48	58	11	15	18	130	14	25.4	.34
	●				●		100	5.9	23	28	39	56	60	72	11	15	18	131	14	25.4	.40
	●					●	200	8.4	46	56	79	112	121	144	12	15	18	165	14	31.8	.73

Highlighted column shows the rated pressure.

