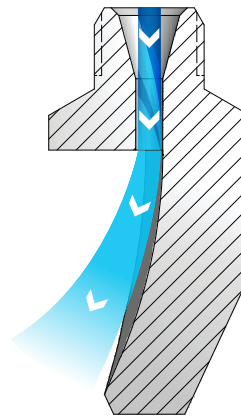


OVERVIEW: FLATJET

- 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 40 psi	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)			Dimensions			
		P	1/8	1/4	3/8	1/2			3/4	15 psi	20 psi	40 psi	80 psi	100 psi	150 psi	15 psi	40 psi	100 psi	A Length (in.)	B Deflection Angle (°)	C Bar Size (in. sq.)	Net Weight (oz.)
50	●		●				05	.052	.31	.35	.50	.71	.79	.97	33	50	60	1-7/32	60	5/8	1	
	●		●				10	.074	.61	.71	1.0	1.4	1.6	1.9	34	50	60	1-7/32	60	5/8	1	
	●		●	●			25	.117	1.5	1.8	2.5	3.5	4.0	4.8	42	50	59	1-5/8	42	3/4	3	
	●		●	●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	39	50	60	1-27/32	45	3/4	3	
	●			●			60	.181	3.7	4.2	6.0	8.5	9.5	11.6	42	50	53	2-5/32	37	1	5	
	●			●			100	.234	6.1	7.1	10.0	14.1	15.8	19.4	43	50	55	2-27/32	40	1-1/4	11.5	
	●			●			125	.261	7.7	8.8	12.5	17.7	19.8	24	38	50	59	2-27/32	38	1-1/4	11	
	●			●			160	.296	9.8	11.3	16.0	23	25	31	44	50	55	2-27/32	37	1-1/4	11	
	●			●			200	.331	12.2	14.1	20	28	32	39	46	50	53	2-27/32	32	1-1/4	11	
40	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	31	40	50	2-3/8	35	7/8	5	
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	31	40	49	2-1/2	33	1	7	
	●			●			60	.181	3.7	4.2	6.0	8.5	9.5	11.6	32	40	49	2-27/32	33	1	8	
	●			●			70	.196	4.3	4.9	7.0	9.9	11.1	13.6	32	40	49	2-31/32	29	1	9	
	●			●			80	.209	4.9	5.7	8.0	11.3	12.6	15.5	32	40	48	3-1/32	26	1	9	
	●			●			90	.222	5.5	6.4	9.0	12.7	14.2	17.4	34	40	44	3-1/32	28	1	8	
	●			●			100	.234	6.1	7.1	10.0	14.1	15.8	19.4	35	40	44	3-13/32	28	1	9	

Highlighted column shows the rated pressure.

N PERFORMANCE DATA:
NARROW ANGLE SPRAY

Spray Angle (°) at 40 psi	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)					Spray Angle (°)			Dimensions				
		P	1/8	1/4	3/8	1/2			3/4	15 psi	20 psi	40 psi	80 psi	100 psi	150 psi	15 psi	40 psi	100 psi	A Length (in.)	B Deflection Angle (°)	C Bar Size (in. sq.)
35	●	●					04	.047	.24	.28	.40	.57	.63	.77	20	35	41	29/32	40	7/16	.5
	●		●				10	.074	.61	.71	1.0	1.4	1.6	1.9	18	35	39	1-7/16	36	5/8	2
	●		●	●			20	.105	1.2	1.4	2.0	2.8	3.2	3.9	24	35	40	1-21/32	30	3/4	2
	●			●			25	.117	1.5	1.8	2.5	3.5	4.0	4.8	24	35	39	1-15/16	28	3/4	3
	●			●			30	.128	1.8	2.1	3.0	4.2	4.7	5.8	26	35	41	2-1/16	28	3/4	3
	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	28	35	38	2-9/32	26	7/8	4
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	31	35	38	2-1/2	23	7/8	5
	●				●		60	.181	3.7	4.2	6.0	8.5	9.5	11.6	29	35	39	2-7/8	27	1	8
	●				●		80	.209	4.9	5.7	8.0	11.3	12.6	15.5	26	35	40	3-3/16	24	1	9
	●				●		100	.234	6.1	7.1	10.0	14.1	15.8	19.4	26	35	40	3-1/2	19	1	9
	●					●	160	.296	9.8	11.3	16.0	23	25	31	26	35	40	4-1/2	23	1-1/4	20
	●					●	200	.331	12.2	14.1	20	28	32	39	25	35	40	4-13/16	22	1-1/4	20
25	●		●				40	.148	2.4	2.8	4.0	5.7	6.3	7.7	15	25	34	2-9/16	25	3/4	4
15	●		●				10	.074	–	.71	1.0	1.4	1.6	1.9	–	15	23	1-7/8	22	5/8	2
	●		●				20	.105	–	1.4	2.0	2.8	3.2	3.9	–	15	19	2-1/8	19	5/8	2
	●			●			30	.128	1.8	2.1	3.0	4.2	4.7	5.8	6	15	24	2-27/32	25	3/4	4
	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	8	15	21	3-5/8	18	7/8	8
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	9	15	20	3-9/16	15	7/8	6
	●				●		60	.181	3.7	4.2	6.0	8.5	9.5	11.6	10	15	19	4-15/16	14	1	12
	●				●		80	.209	4.9	5.7	8.0	11.3	12.6	15.5	11	15	18	5-1/8	14	1	12
	●				●		100	.234	6.1	7.1	10.0	14.1	15.8	19.4	11	15	18	5-5/32	14	1	14
	●					●	200	.331	12.2	14.1	20	28	32	39	12	15	18	6-1/2	14	1-1/4	26

Highlighted column shows the rated pressure.

