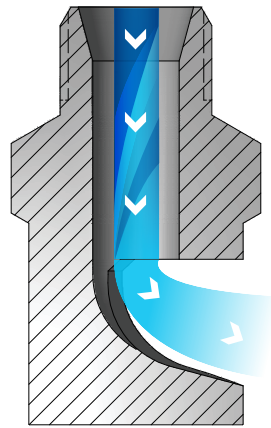


OVERVIEW: FLOODJET

- Ideal for operations requiring wide coverage
- Wide angle, deflected type flat fan spray pattern
- Use when nozzles can be mounted horizontally
- Orifice is protected from damage and is designed to minimize clogging
- Spray angles from 73° to 153°
- Uniform spray distribution from .04 to 110 gpm (.14 to 410 lpm)
- Operating pressures up to 60 psi (4 bar)
- TEK provides a tapered edge spray pattern to eliminate heavy edges while maintaining the wide spray pattern



FloodJet 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 deflector surface enables the formation of very wide spray angles compared to other flat spray nozzles.

FLOODJET OPTIONS



ORDERING INFORMATION

FLOODJET K

Inlet Conn.	Nozzle Type	—	Material Code	Capacity Size	Example
					1/8 K — SS 2

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

FLOODJET TEK

Inlet Conn.	Nozzle Type	—	Material Code	Capacity Size	Example
					1/8 TEK — SS 2

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

**RELATIVE DROP SIZE
IN MICRONS**

10 to 100	100 to 500	500 to 1000	1000 to 5000
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Drop size will vary based on flow rate and pressure.

W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Nozzle Type	Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)		
	K	1/8	1/4	3/8	1/2	3/4			1	3 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	7 psi	20 psi
●		●					22	.155	1.2	1.8	2.2	3.1	3.8	4.4	5.4	113	125	136
●		●					24	.162	1.3	2.0	2.4	3.4	4.2	4.8	5.9	115	131	144
●		●					27	.172	1.5	2.3	2.7	3.8	4.7	5.4	6.6	119	135	148
●			●				30	.181	1.6	2.5	3.0	4.2	5.2	6.0	7.3	100	110	121
●			●				35	.196	1.9	2.9	3.5	4.9	6.1	7.0	8.6	105	118	128
●			●	●			40	.209	2.2	3.3	4.0	5.7	6.9	8.0	9.8	111	126	136
●			●				45	.222	2.5	3.8	4.5	6.4	7.8	9.0	11.0	115	130	140
●				●			50	.234	2.7	4.2	5.0	7.1	8.7	10.0	12.2	117	131	140
●				●			60	.256	3.3	5.0	6.0	8.5	10.4	12.0	14.7	120	134	142
●				●			70	.277	3.8	5.9	7.0	9.9	12.1	14.0	17.1	123	137	146
●				●			80	.296	4.4	6.7	8.0	11.3	13.9	16.0	19.6	127	138	149
●					●		90	.317	4.9	7.5	9.0	12.7	15.6	18.0	22	120	133	140
●					●		100	.334	5.5	8.4	10.0	14.1	17.3	20	24	123	136	145
●					●		110	.350	6.0	9.2	11.0	15.6	19.1	22	27	125	138	148
●					●		120	.366	6.6	10.0	12.0	17.0	21	24	29	129	143	150
●					●		140	.395	7.7	11.7	14.0	19.8	24	28	34	118	127	135
●					●		160	.423	8.8	13.4	16.0	23	28	32	39	121	130	137
●					●		180	.448	9.9	15.1	18.0	25	31	36	44	124	133	139
●					●		210	.484	11.5	17.6	21	30	36	42	51	128	139	145
●						●	300	.579	16.4	25	30	42	52	60	73	110	128	135
●						●	450	.709	25	38	45	64	78	90	110	118	132	138

Highlighted column shows the rated pressure.

W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)		
				3 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	7 psi	20 psi	60 psi
1/8, 1/4	●	2	.047	–	.17	.20	.28	.35	.40	.49	85	125	134
	●	3	.057	–	.25	.30	.42	.52	.60	.73	85	125	136
	●	5	.074	.27	.42	.50	.71	.87	1.0	1.2	85	127	147
	●	10	.105	.55	.84	1.0	1.4	1.7	2.0	2.4	85	130	150
1/4	●	15	.128	.82	1.3	1.5	2.1	2.6	3.0	3.7	90	130	138
	●	20	.148	1.1	1.7	2.0	2.8	3.5	4.0	4.9	107	130	138

Highlighted column shows the rated pressure.



W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	UniJet® FloodJet Tip Type	Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)		
	TK			3 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	7 psi	20 psi	60 psi
1/4	●	7.5	.091	.41	.63	.75	1.1	1.3	1.5	1.8	101	119	134
	●	10	.105	.55	.84	1.0	1.4	1.7	2.0	2.4	115	133	145
	●	12	.115	.66	1.0	1.2	1.7	2.1	2.4	2.9	128	139	153
	●	15	.128	.82	1.3	1.5	2.1	2.6	3.0	3.7	98	113	123
	●	18	.140	.99	1.5	1.8	2.5	3.1	3.6	4.4	106	120	131
	●	20	.148	1.1	1.7	2.0	2.8	3.5	4.0	4.9	110	122	133
	●	24	.162	1.3	2.0	2.4	3.4	4.2	4.8	5.9	115	131	144
	●	30	.181	1.6	2.5	3.0	4.2	5.2	6.0	7.3	100	110	121
	●	40	.209	2.2	3.3	4.0	5.7	6.9	8.0	9.8	111	126	136
	●	50	.234	2.7	4.2	5.0	7.1	8.7	10.0	12.2	117	131	140

Other body types may be available. Contact your sales engineer for further information.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Net Weight (oz.)
	K (M)	1/8	1.281	7/16	–	0.5
		1/4	1.343	9/16	–	1
		3/8	1.750	11/16	–	2
		1/2	2.000	7/8	–	4
		3/4	2.563	1-1/2	–	14
		1	3.625	1-7/8	–	32
	TEK (M)	1/8	1.125	7/16	–	0.6
		1/4	1.520	9/16	–	1.5
	QJA (F) + QTKA	1/8, 1/4, 3/8, 1/2	2.531	1	–	5
		QJJA (M) + QTKA	1/8, 1/4, 3/8, 1/2	2.438	7/8	–

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Net Weight (oz.)
	QJJS (M) + QSTK	1/8, 1/4, 3/8, 1/2	1.469	9/16	0.594	1.5
	T (F) + TK	1/4	2.000	13/16	–	2.5
	TT (M) + TK	1/4	2.000	13/16	–	2.3

Based on the largest/heaviest version of each type.