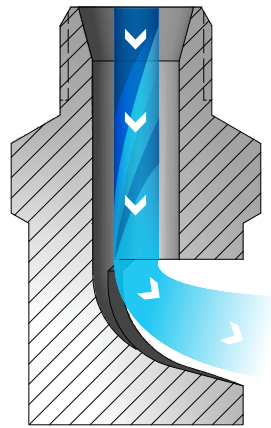


**OVERVIEW: FLOODJET**

- 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	<b>Example</b>
					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	<b>Example</b>
					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
-----------	------------	-------------	--------------

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
<b>K nozzle</b>	M	1/8 to 1	Brass, 303 stainless steel (SS), 316 stainless steel (316SS), Polyvinyl chloride (PVC)  Brass, 303 stainless steel (SS)	C43–C44	C46
<b>TEK nozzle</b>	M	1/8 to 1/4		C44	
<b>QJA body</b>	F	1/8 to 1/2		–	
<b>QJJA body</b>	M	1/8 to 1/2		–	
<b>QTKA spray tip</b>	NA	NA		C45	
<b>QJJS body</b>	M	1/8 or 1/4		–	
<b>QSTK spray tip</b>	NA	NA		C45	
<b>T body</b>	F	1/8 to 1/2		–	
<b>TT body</b>	M	1/8 to 1/2		–	
<b>TK spray tip</b>	NA	NA	C45–C46		

F = female thread; M = male thread; NA = not applicable. 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.

**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 (°)		
	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	60 psi
•	•						.25	.017	–	–	–	.04	.04	.05	.06	–	83	117
•	•						.50	.023	–	–	–	.07	.09	.10	.12	–	89	122
•	•						.75	.029	–	–	.075	.11	.13	.15	.18	–	106	125
•	•						1	.033	–	–	.10	.14	.17	.20	.24	–	103	128
•	•						1.5	.040	–	.13	.15	.21	.26	.30	.37	73	103	125
•	•	•					2	.047	–	.17	.20	.28	.35	.40	.49	83	113	129
•	•	•					2.5	.052	–	.21	.25	.35	.43	.50	.61	98	122	133
•	•	•					3	.057	–	.25	.30	.42	.52	.60	.73	86	112	126
•	•	•					4	.066	–	.33	.40	.57	.69	.80	.98	97	123	132
•	•	•					5	.074	.27	.42	.50	.71	.87	1.0	1.2	114	128	142
•	•	•					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

Highlighted column shows the rated 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 (°)		
				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.)
	<b>K (M)</b>	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
	<b>TEK (M)</b>	1/8	1.125	7/16	–	0.6
		1/4	1.520	9/16	–	1.5
	<b>QJA (F) + QTKA</b>	1/8, 1/4, 3/8, 1/2	2.531	1	–	5
		<b>QJJA (M) + QTKA</b>	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.)
	<b>QJJS (M) + QSTK</b>	1/8, 1/4, 3/8, 1/2	1.469	9/16	0.594	1.5
	<b>TT (M) + TK</b>	1/4	2.000	13/16	–	2.3

Based on the largest/heaviest version of each type.