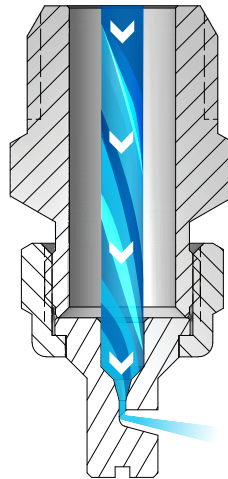


OVERVIEW: UNIJET® FLOODJET

- A large choice of interchangeable spray tips, body types/ sizes, materials, spray angles, flow rates and accessories allows use of different components in a single header to match performance to different operations
- Design allows easy tip change out in place – remove tips by unscrewing the retainer cap
- Wide angle, deflected type flat fan spray pattern
- Spray angles from 73° to 153°
- Uniform spray distribution with flow rates from .06 to 12.2 gpm (.28 to 46 lpm)
- Operating pressures up to 60 psi (4 bar)
- Assembly consists of nozzle body, strainer, spray tip and tip retainer



UniJet 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.

**UNIJET FLOODJET
OPTIONS**



TK Spray Tip + TT Body
Use with screen strainer and tip retainer
1/8" to 1/2" male conn.



ORDERING INFORMATION

UNIJET FLOODJET

NOZZLE BODY			SPRAY TIP			
Inlet Conn.	Body Type	Material Code	+	Tip Type	Material Code	Capacity Size

Example

1/4	TT	-	SS	+	TK	-	SS	2
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UniJet nozzle assemblies include a pre-sized wire mesh based on orifice diameter. When ordering just a UniJet spray tip, the mesh is not included. See Accessories, page F6 for a mesh selection guide and ordering information.

BSPT connections require the addition of a "B" prior to the nozzle body 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

Inlet Conn. (in.)	Quick FloodJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)		
	QSTK	QTKA			3 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	7 psi	20 psi	60 psi
1/8, 1/4, 3/8, 1/2	●		.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	–	109	128
	●	●	1.5	.040	–	.13	.15	.21	.26	.30	.37	73	108	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	
3/8, 1/2		●	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
		●	45	.222	2.5	3.8	4.5	6.4	7.8	9.0	11.0	115	130	140
		●	60	.256	3.3	5.0	6.0	8.5	10.4	12.0	14.7	120	134	142

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	●	.50	.023	–	–	–	.07	.09	.10	.12	–	89	122
	●	.75	.029	–	–	.075	.11	.13	.15	.18	–	106	125
	●	1	.033	–	–	.10	.14	.17	.20	.24	–	109	128
	●	1.5	.040	–	.13	.15	.21	.26	.30	.37	73	108	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

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

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
	TT (M) + TK	1/4	2.000	13/16	–	2.3

Based on the largest/heaviest version of each type.