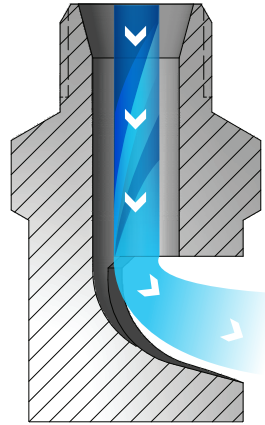


OVERVIEW: FLOODJET

- 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 tapered 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

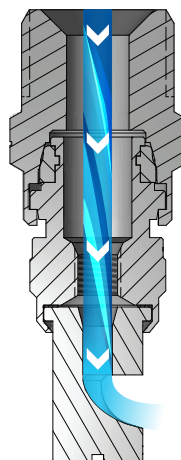
500 to 1000

1000 to 5000

Drop size will vary based on flow rate and pressure.

OVERVIEW: QUICK FLOODJET

- Ideal for high-maintenance operations – bodies remain on pipe/header; quick quarter-turn removes/installs spray tips in seconds
- Automatic alignment feature saves time
- Miniature versions are ideal when smaller physical size and lower weight are required
- Wide angle, deflected type flat fan spray pattern
- Spray angles from 73° to 153°
- Uniform spray distribution with flow rates from .01 to 14.7 gpm (.037 to 55 lpm)
- Operating pressures up to 60 psi (4 bar)

**Quick 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 tapered from the center of the spray. The deflector surface enables the formation of very wide spray angles compared to other flat spray nozzles.

**QUICK FLOODJET
OPTIONS**

W



QTKA Spray Tip + QJA Body
1/8" to 1/2" female conn.
Use with QJA or QJJA body



QJJA Body
1/8" to 1/2" male conn.



QJJS Body
Miniature version
1/8" to 1/4" male conn.

W



QSTK Spray Tip
Miniature version
Flow rates below 1 gpm at 40 psi
(3.9 lpm at 2.8 bar)
Use with seal and QJJS body

ORDERING INFORMATION**QUICK FLOODJET****NOZZLE BODY**

Inlet Conn.	Body Type	Material Code	+	Tip Type	Material Code	Capacity Size
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SPRAY TIP**Example**

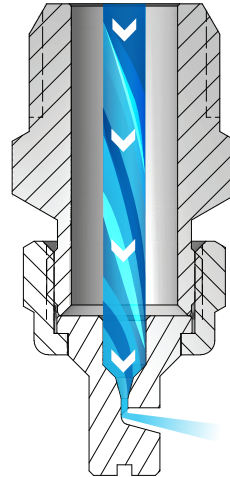
3/8	QJA	-	SS	+	QTKA	-	SS	1.5
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BSPT connections require the addition of a "B" prior to the inlet connection.



OVERVIEW: UNIJET® FLOODJET

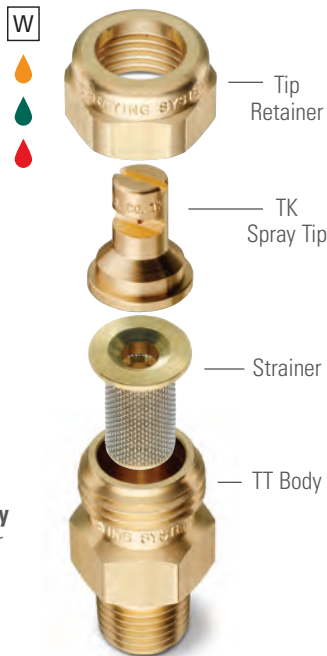
- A large choice of interchangeable spray tips, body types/ sizes, materials, spray angles, flow rates and accessories allows use of different components in a single header to match performance to different operations
- Design allows easy tip change out in place – remove tips by unscrewing the retainer 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 tapered 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.



TT Body/Cap
1/8" to 1/2" male conn.



T Body/Cap
1/8" to 1/2" female 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

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

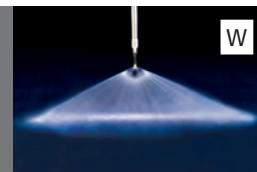
1000 to 5000

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

PERFORMANCE DATA:
WIDE ANGLE SPRAY

Nozzle Type	Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)								Spray Angle (°)		
K	1/8	1/4	3/8	1/2	3/4	1			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar	
●	●						.25	.43	—	—	—	.14	.16	.20	.23	—	83	117	
●	●						.50	.58	—	—	—	.28	.32	.39	.46	—	89	122	
●	●						.75	.74	—	—	.29	.42	.48	.59	.68	—	106	125	
●	●						1	.84	—	—	.38	.56	.64	.79	.91	—	103	128	
●	●						1.5	1.0	—	.48	.57	.84	.97	1.2	1.4	73	103	125	
●	●	●					2	1.2	—	.64	.76	1.1	1.3	1.6	1.8	83	113	129	
●	●	●					2.5	1.3	—	.81	.95	1.4	1.6	2.0	2.3	98	122	133	
●	●	●					3	1.4	—	.97	1.1	1.7	1.9	2.4	2.7	86	112	126	
●	●						4	1.7	—	1.3	1.5	2.2	2.6	3.2	3.6	97	123	132	
●	●	●					5	1.9	1.0	1.6	1.9	2.8	3.2	3.9	4.6	114	128	142	
●	●	●					7.5	2.3	1.5	2.4	2.9	4.2	4.8	5.9	6.8	101	119	134	
●	●	●					10	2.7	2.0	3.2	3.8	5.6	6.4	7.9	9.1	115	133	145	
●	●	●					12	2.9	2.4	3.9	4.6	6.7	7.7	9.5	10.9	128	139	153	
●	●	●					15	3.3	3.1	4.8	5.7	8.4	9.7	11.8	13.7	98	113	123	
●	●	●					18	3.6	3.7	5.8	6.9	10.1	11.6	14.2	16.4	106	120	131	
●	●	●					20	3.8	4.1	6.4	7.6	11.2	12.9	15.8	18.2	110	122	133	

Highlighted column shows the rated pressure.



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W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Nozzle Type	Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)								Spray Angle (°)		
K	1/8	1/4	3/8	1/2	3/4	1			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar	
●		●					22	3.9	4.5	7.1	8.4	12.3	14.2	17.4	20	113	125	136	
●		●					24	4.1	4.9	7.7	9.2	13.4	15.5	19.0	22	115	131	144	
●		●					27	4.4	5.5	8.7	10.3	15.1	17.4	21	25	119	135	148	
●			●				30	4.6	6.1	9.7	11.4	16.8	19.3	24	27	100	110	121	
●			●				35	5.0	7.1	11.3	13.3	19.5	23	28	32	105	118	128	
●			●	●			40	5.3	8.2	12.9	15.3	22	26	32	36	111	126	136	
●			●				45	5.6	9.2	14.5	17.2	25	29	36	41	115	130	140	
●				●			50	5.9	10.2	16.1	19.1	28	32	39	46	117	131	140	
●				●			60	6.5	12.2	19.3	23	34	39	47	55	120	134	142	
●				●			70	7.0	14.3	23	27	39	45	55	64	123	137	146	
●				●			80	7.5	16.3	26	31	45	52	63	73	127	138	149	
●					●		90	8.1	18.3	29	34	50	58	71	82	120	133	140	
●					●		100	8.5	20	32	38	56	64	79	91	123	136	145	
●					●		110	8.9	22	35	42	61	71	87	100	125	138	148	
●					●		120	9.3	24	39	46	67	77	95	109	129	143	150	
●					●		140	10.0	29	45	53	78	90	111	128	118	127	135	
●					●		160	10.7	33	52	61	89	103	126	146	121	130	137	
●					●		180	11.4	37	58	69	101	116	142	164	124	133	139	
●					●		210	12.3	43	68	80	117	135	166	191	128	139	145	
●						●	300	14.8	61	97	114	168	193	237	274	110	128	135	
●						●	450	18.0	92	145	172	251	290	355	410	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. (mm)	Flow Rate Capacity (liters per minute)							Spray Angle (°)		
	TEK			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/8, 1/4	●	2	1.2	—	.64	.76	1.1	1.3	1.6	1.8	85	125	134
	●	3	1.5	—	.97	1.1	1.7	1.9	2.4	2.7	85	125	136
	●	5	1.9	1.0	1.6	1.9	2.8	3.2	3.9	4.6	85	127	147
	●	10	2.7	2.0	3.2	3.8	5.6	6.4	7.9	9.1	85	130	150
1/4	●	15	3.3	3.1	4.8	5.7	8.4	9.7	11.8	13.7	90	130	138
	●	20	3.8	4.1	6.4	7.6	11.2	12.9	15.8	18.2	107	130	138

Highlighted column shows the rated pressure.



W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	Quick FloodJet Tip Type		Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)							Spray Angle (°)		
	QSTK	QTKA			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/8, 1/4, 3/8, 1/2	●		.25	.43	—	—	—	.14	.16	.20	.23	—	83	117
	●	●	.50	.58	—	—	—	.28	.32	.39	.46	—	89	122
	●	●	.75	.74	—	—	.29	.42	.48	.59	.68	—	106	125
	●	●	1	.84	—	—	.38	.56	.64	.79	.91	—	109	128
	●	●	1.5	1.0	—	.48	.57	.84	.97	1.2	1.4	73	108	125
	●	●	2	1.2	—	.64	.76	1.1	1.3	1.6	1.8	83	113	129
	●	●	2.5	1.3	—	.81	.95	1.4	1.6	2.0	2.3	98	122	133
	●	●	3	1.4	—	.97	1.1	1.7	1.9	2.4	2.7	86	112	126
	●	●	4	1.7	—	1.3	1.5	2.2	2.6	3.2	3.6	97	123	132
	●	●	5	1.9	1.0	1.6	1.9	2.8	3.2	3.9	4.6	114	128	142
		●	7.5	2.3	1.5	2.4	2.9	4.2	4.8	5.9	6.8	101	119	134
		●	10	2.7	2.0	3.2	3.8	5.6	6.4	7.9	9.1	115	133	145
		●	12	2.9	2.4	3.9	4.6	6.7	7.7	9.5	10.9	128	139	153
		●	15	3.3	3.1	4.8	5.7	8.4	9.7	11.8	13.7	98	113	123
		●	18	3.6	3.7	5.8	6.9	10.1	11.6	14.2	16.4	106	120	131
		●	20	3.8	4.1	6.4	7.6	11.2	12.9	15.8	18.2	110	122	133
3/8, 1/2		●	30	4.6	6.1	9.7	11.4	16.8	19.3	24	27	100	110	121
		●	40	5.3	8.2	12.9	15.3	22	26	32	36	111	126	136
		●	45	5.6	9.2	14.5	17.2	25	29	36	41	115	130	140
		●	60	6.5	12.2	19.3	23	34	39	47	55	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. (mm)	Flow Rate Capacity (liters per minute)							Spray Angle (°)		
	TK			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/4	●	.50	.58	—	—	—	.28	.32	.39	.46	—	89	122
	●	.75	.74	—	—	.29	.42	.48	.59	.68	—	106	125
	●	1	.84	—	—	.38	.56	.64	.79	.91	—	109	128
	●	1.5	1.0	—	.48	.57	.84	.97	1.2	1.4	73	108	125
	●	2	1.2	—	.64	.76	1.1	1.3	1.6	1.8	83	113	129
	●	2.5	1.3	—	.81	.95	1.4	1.6	2.0	2.3	98	122	133
	●	3	1.4	—	.97	1.1	1.7	1.9	2.4	2.7	86	112	126
	●	4	1.7	—	1.3	1.5	2.2	2.6	3.2	3.6	97	123	132
	●	5	1.9	1.0	1.6	1.9	2.8	3.2	3.9	4.6	114	128	142

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

Highlighted column shows the rated pressure.



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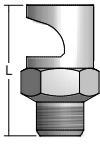
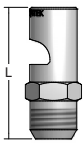
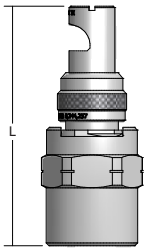
W PERFORMANCE DATA:
WIDE ANGLE SPRAY

Inlet Conn. (in.)	UniJet® FloodJet Tip Type	Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)							Spray Angle (°)		
	TK			0.2 bar	0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/4	●	7.5	2.3	1.5	2.4	2.9	4.2	4.8	5.9	6.8	101	119	134
	●	10	2.7	2.0	3.2	3.8	5.6	6.4	7.9	9.1	115	133	145
	●	12	2.9	2.4	3.9	4.6	6.7	7.7	9.5	10.9	128	139	153
	●	15	3.3	3.1	4.8	5.7	8.4	9.7	11.8	13.7	98	113	123
	●	18	3.6	3.7	5.8	6.9	10.1	11.6	14.2	16.4	106	120	131
	●	20	3.8	4.1	6.4	7.6	11.2	12.9	15.8	18.2	110	122	133
	●	24	4.1	4.9	7.7	9.2	13.4	15.5	19.0	22	115	131	144
	●	30	4.6	6.1	9.7	11.4	16.8	19.3	24	27	100	110	121
	●	40	5.3	8.2	12.9	15.3	22	26	32	36	111	126	136
	●	50	5.9	10.2	16.1	19.1	28	32	39	46	117	131	140

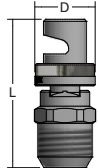
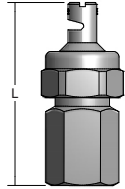
Other body types may be available. Contact your sales engineer for further information.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	D (Dia.) (mm)	Net Weight (kg)
	K (M)	1/8	32.5	7/16	—	0.01
		1/4	34.1	9/16	—	0.03
		3/8	44.5	11/16	—	0.06
		1/2	50.8	7/8	—	0.11
		3/4	65.1	1-1/2	—	0.40
		1	92.1	1-7/8	—	0.91
	TEK (M)	1/8	28.6	7/16	—	0.02
		1/4	38.6	9/16	—	0.04
	QJA (F) + QTKA	1/8, 1/4, 3/8, 1/2	64.3	1	—	0.14
	QJJA (M) + QTKA	1/8, 1/4, 3/8, 1/2	61.9	7/8	—	0.13

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	D (Dia.) (mm)	Net Weight (kg)
	QJJS (M) + QSTK	1/8, 1/4, 3/8, 1/2	37.3	9/16	15.1	0.04
	T (F) + TK	1/4	50.8	13/16	—	0.07
	TT (M) + TK	1/4	50.8	13/16	—	0.06

Based on the largest/heaviest version of each type.