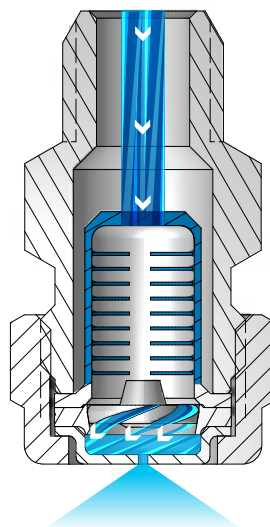


OVERVIEW: UNIJET

- Quick-connect nozzles reduce maintenance time – bodies remain on pipe/header
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced; tips fit on male or female bodies
- Solid cone-shaped spray pattern with round impact area or cone-shaped spray pattern with square-like impact area for coverage of rectangular areas or spray zones
- Spray angles: Standard – 43° to 91°, Wide – 112° to 120°
- Uniform spray distribution from .08 to 7.4 gpm (.3 to 28 lpm)
- Operating pressures up to 300 psi (20 bar)



UniJet D and TG Nozzles

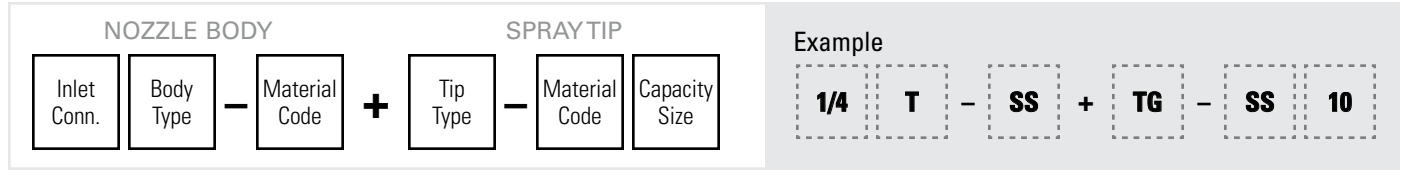
As the liquid enters the nozzle, it passes through an internal strainer and into the slotted core where the swirling begins. The swirling continues as the liquid passes through a disc. The breakup of the liquid occurs as it exits the orifice, producing a well-defined cone pattern. The drops are uniform in size and distributed equally throughout the spray pattern.

UNIJET OPTIONS



ORDERING INFORMATION

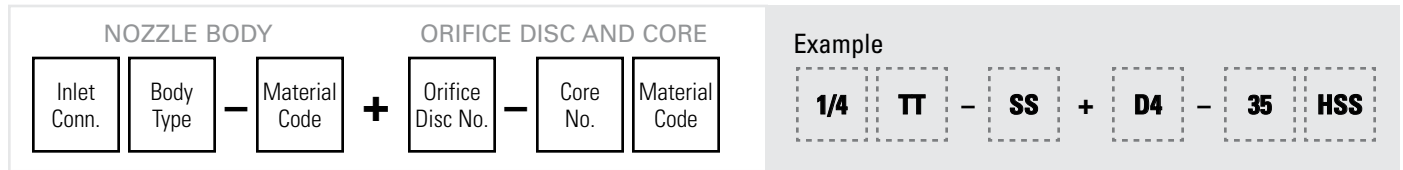
UNIJET



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.

UNIJET – DISC AND CORE TYPE



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.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
T body	F	1/8 to 1/2	Brass, 303 stainless steel (SS)	-	B40
TT body	M			-	
D spray tip	NA	NA	303 stainless steel (SS), Hardened stainless steel (HSS)	B38	
TG spray tip	NA	NA	Brass, 303 stainless steel (SS)	B39	
TG-W and TH-W spray tips	NA	NA	Brass, 303 stainless steel (SS)	B39	
TG-SQ spray tip	NA	NA	Brass, 303 stainless steel (SS)	B40	

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.

**RELATIVE DROP SIZE
IN MICRONS**



Drop size will vary based on flow rate and pressure.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

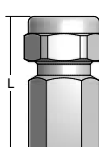
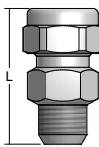
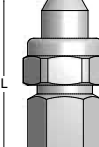
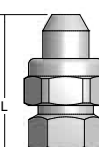
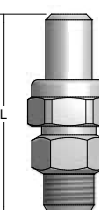
Body Inlet Conn. (in.)	UniJet Tip Type TG-SQ	Capacity Size	Orifice Dia. Nom. (mm)	Max. Free Passage Dia. (mm)	Flow Rate Capacity (liters per minute)								Spray Angle (°)		
					0.4 bar	0.5 bar	0.7 bar	1.5 bar	3 bar	6 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar
1/4	●	6SQ	2.4	1.3	1.8	2.0	2.3	3.2	4.5	6.1	6.6	7.8	60	66	60
	●	8SQ	2.5	1.3	2.4	2.6	3.0	4.3	6.0	8.2	8.8	10.4	70	75	68
	●	10SQ	2.8	1.6	2.9	3.3	3.8	5.4	7.4	10.2	11.0	13.0	62	66	60
	●	12SQ	3.2	1.6	3.5	3.9	4.6	6.5	8.9	12.3	13.2	15.5	70	75	68
3/8	●	18SQ	4.0	2.4	5.3	5.9	6.9	9.7	13.4	18.4	19.8	23	71	75	68

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

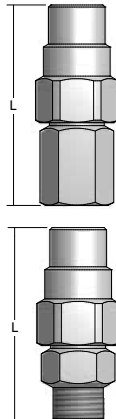
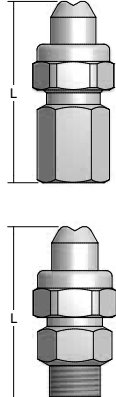
Other body sizes may be available. Contact your sales engineer for further information.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + D	1/4	38.1	13/16	0.06
	TT (M) + D	1/4	38.1	13/16	0.05
	T (F) + TG	1/4	46.8	13/16	0.06
	TT (M) + TG	1/4	46.8	13/16	0.06
	T (F) + TG-W TT (M) + TG-W	1/8	52.8	13/16	0.06
		1/4	52.8	13/16	0.07

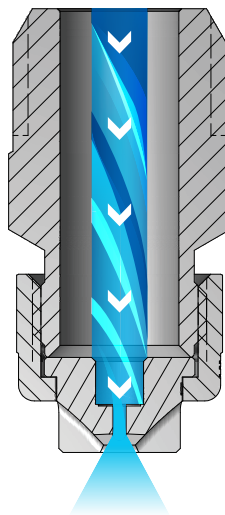
Based on the largest/heaviest version of each type. Additional sizes are available.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + TH-W TT (M) + TH-W	1/8	54.8	13/16	0.11
		1/4	67.9	13/16	0.11
		3/8	68	13/16	0.12
		1/2	66.3	1	0.12
	T (F) + TG-SQ TT (M) + TG-SQ	1/4	57.9	13/16	0.05
		3/8	58.1	13/16	0.06

Based on the largest/heaviest version of each type. Additional sizes are available.

OVERVIEW: UNIJET

- 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
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced
- Design allows easy tip change out in place – remove tips by unscrewing the retainer cap
- Recessed orifices to protect against damage
- Flat fan type, tapered edge spray pattern
- Spray angles from 0° to 110°
- Uniform spray distribution with flow rates from .003 to 25 gpm (.013 to 94 lpm)
- Operating pressures up to 500 psi (35 bar)



UniJet VeeJet® Nozzles

As the liquid exits through the sharp V shape cut of the orifice, it forms into a flat spray pattern. The distribution is tapered from the center of the spray.

UNIJET OPTIONS



TPU Spray Tip + T Body
Use with screen strainer and tip retainer



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



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



13802 Spray Tip
Self-aligning tip
Wrench flats on top of tip
Straight alignment flats connection
Use with self-aligning T or TT bodies

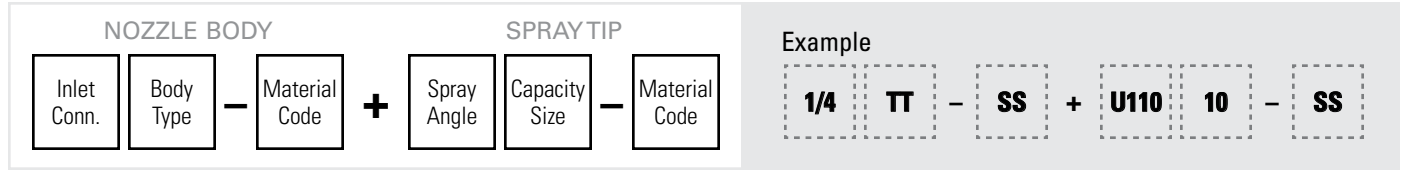
**RELATIVE DROP SIZE
IN MICRONS**

10 to 100	100 to 500	500 to 1000	1000 to 5000
-----------	------------	-------------	--------------

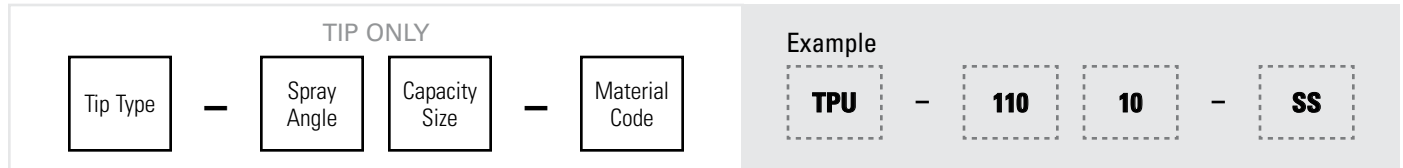
Drop size will vary based on flow rate and pressure.

ORDERING INFORMATION

UNIJET



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



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.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
T body	F	1/8 to 1/2	Brass, 303 stainless steel (SS)	-	C31
TT body	M			-	
TPU spray tip	NA	NA	Brass, 303 stainless steel (SS)	C25-C31	
13802 spray tip	NA	NA	Brass, 303 stainless steel (SS), 316 stainless steel (316 SS)	C25-C31	

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.

S PERFORMANCE DATA: STANDARD ANGLE SPRAY

Spray Angle at 3 bar	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)									Spray Angle (°)			
	13802	TPU			0.4 bar	0.7 bar	1.5 bar	3 bar	6 bar	7 bar	15 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	15 bar
110°	●	●	0033	.38	-	-	.092	.13	.18	.20	.29	.34	.45	91	110	116	121
	●	●	0050	.46	-	-	.14	.20	.28	.30	.44	.51	.67	91	110	118	124
	●	●	0067	.53	-	-	.19	.26	.37	.40	.59	.68	.90	92	110	118	124
	●	●	01	.66	.14	.19	.28	.39	.56	.60	.88	1.0	1.3	94	110	121	124
	●	●	015	.81	.22	.29	.42	.59	.84	.90	1.3	1.5	2.0	97	110	121	124
	●	●	02	.89	.29	.38	.56	.79	1.1	1.2	1.8	2.0	2.7	98	110	120	123
	●	●	03	1.1	.43	.57	.84	1.2	1.7	1.8	2.6	3.1	4.0	99	110	120	123
	●	●	04	1.3	.58	.76	1.1	1.6	2.2	2.4	3.5	4.1	5.4	100	110	119	122
	●	●	05	1.4	.72	.95	1.4	2.0	2.8	3.0	4.4	5.1	6.7	100	110	118	122

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

Highlighted column shows the rated pressure.



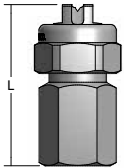
S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 3 bar	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (mm)	Flow Rate Capacity (liters per minute)									Spray Angle (°)			
	13802	TPU			0.4 bar	0.7 bar	1.5 bar	3 bar	6 bar	7 bar	15 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	15 bar
0°	•	•	0009	.20	.013	.017	.025	.036	.050	.054	.079	.092	.12	0 Solid Stream			
	•	•	0012	.25	.017	.023	.034	.047	.067	.072	.11	.12	.16				
	•	•	0019	.30	.027	.036	.053	.075	.11	.11	.17	.19	.26				
	•	•	0021	.33	.030	.040	.059	.083	.12	.13	.19	.21	.28				
	•	•	0033	.41	.048	.063	.092	.13	.18	.20	.29	.34	.45				
	•	•	0050	.48	.072	.095	.14	.20	.28	.30	.44	.51	.67				
	•	•	0067	.58	.097	.13	.19	.26	.37	.40	.59	.68	.90				
	•	•	01	.71	.14	.19	.28	.39	.56	.60	.88	1.0	1.3				
	•	•	015	.86	.22	.29	.42	.59	.84	.90	1.3	1.5	2.0				
	•	•	02	.99	.29	.38	.56	.79	1.1	1.2	1.8	2.0	2.7				
	•	•	03	1.2	.43	.57	.84	1.2	1.7	1.8	2.6	3.1	4.0				
	•	•	04	1.4	.58	.76	1.1	1.6	2.2	2.4	3.5	4.1	5.4				
	•	•	045	1.5	.65	.86	1.3	1.8	2.5	2.7	4.0	4.6	6.1				
	•	•	05	1.6	.72	.95	1.4	2.0	2.8	3.0	4.4	5.1	6.7				
	•	•	055	1.7	.79	1.0	1.5	2.2	3.1	3.3	4.9	5.6	7.4				
	•	•	06	1.7	.86	1.1	1.7	2.4	3.4	3.6	5.3	6.1	8.1				
	•	•	065	1.8	.94	1.2	1.8	2.6	3.6	3.9	5.7	6.6	8.8				
	•	•	07	1.9	1.0	1.3	2.0	2.8	3.9	4.2	6.2	7.1	9.4				
	•	•	08	2.0	1.2	1.5	2.2	3.2	4.5	4.8	7.1	8.2	10.8				
	•	•	09	2.1	1.3	1.7	2.5	3.6	5.0	5.4	7.9	9.2	12.1				
•	•	10	2.2	1.4	1.9	2.8	3.9	5.6	6.0	8.8	10.2	13.5					
•	•	11	2.3	1.6	2.1	3.1	4.3	6.1	6.6	9.7	11.2	14.8					
•	•	12	2.4	1.7	2.3	3.4	4.7	6.7	7.2	10.6	12.2	16.2					
•	•	15	2.7	2.2	2.9	4.2	5.9	8.4	9.0	13.2	15.3	20					
•	•	20	3.1	2.9	3.8	5.6	7.9	11.2	12.1	17.7	20	27					
•	•	30	3.6	4.3	5.7	8.4	11.8	16.8	18.1	26	31	40					
•	•	40	4.1	5.8	7.6	11.2	15.8	22	24	35	41	54					

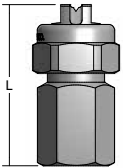
Other body types may be available. Contact your sales engineer for further information.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + TPU TT (M) + TPU	1/4	40.9	13/16	0.06

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + 13802 TT (M) + 13802	1/4	48.0	13/16	0.06

Based on the largest/heaviest version of each type.



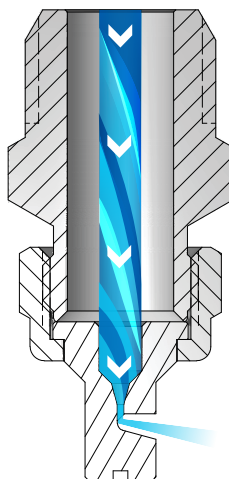
**FLAT
SPRAY**

FLOODJET® NOZZLES

W WIDE ANGLE SPRAY

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**

W



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			

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		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.

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 (°)		
	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.



**FLAT
SPRAY**

FLOODJET® NOZZLES

W WIDE ANGLE SPRAY

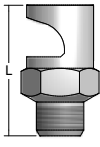
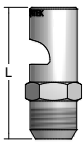
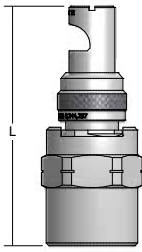
W PERFORMANCE DATA:
WIDE ANGLE SPRAY

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

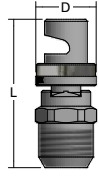
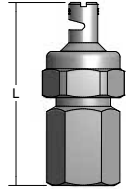
Other body types may be available. Contact your sales engineer for further information.

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.

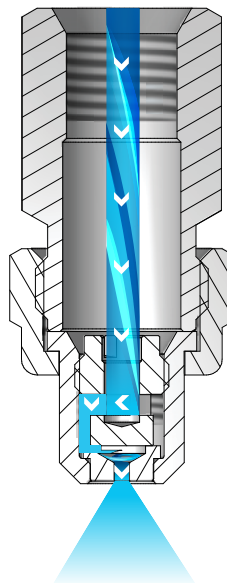
Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	D (Dia.) (mm)	Net Weight (kg)
	QJJS (M) + QSTK	1/8, 1/4, 3/8, 1/2	37.3	9/16	15.1	0.04
	T (F) + TK	1/4	50.8	13/16	–	0.07
	TT (M) + TK	1/4	50.8	13/16	–	0.06

Based on the largest/heaviest version of each type.



OVERVIEW: UNIJET

- Quick-connect nozzles reduce maintenance time – bodies remain on pipe/header
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced; tips fit on male or female bodies
- Hollow cone spray pattern with a circular impact area
- Excellent atomization at relatively low pressures
- Spray angles: Standard – 13° to 114°, Wide – 130° to 140°
- Uniform spray distribution from 3.6 to 4,920 gph (13.2 to 17,760 lph)
- Operating pressures up to 400 psi (25 bar)
- Orifice inserts, cores and strainers are easily removed for inspection or cleaning
- TN versions provide very fine atomized sprays using liquid pressure alone; compressed air not required
 - Spray angles: Standard – 43° to 91°
 - Uniform spray distribution from .82 to 184 gph (3.1 to 701 lph)
 - Operating pressures up to 2000 psi (140 bar)



UniJet TX, D and TN Nozzles

As the liquid passes through the nozzle, it is forced to pass through slots in the orifice. These slots make the liquid spin in a circle at a high speed as it exits the orifice, creating the hollow cone pattern.

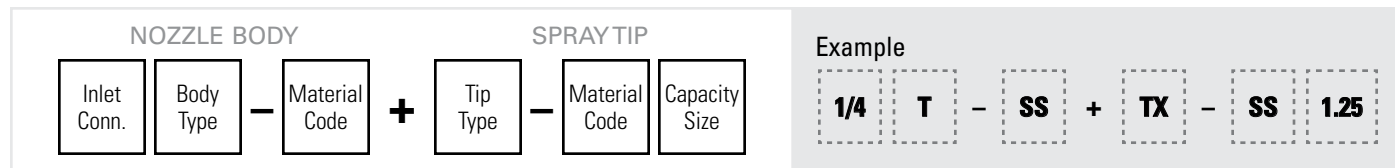
UNIJET OPTIONS

<p>S W</p> <p>Tip Retainer</p> <p>TX Spray Tip</p> <p>Strainer</p> <p>T Body</p> <p>TX Spray Tip + T Body 1/4" female conn. Use with screen strainer and tip retainer</p>	<p>S</p> <p>Tip Retainer</p> <p>D Disc</p> <p>Core</p> <p>Strainer</p> <p>TT Body</p> <p>D Spray Tip + TT Body 1/4" male conn. Disc and core type Use with slotted strainer and tip retainer</p>
--	--

<p>S</p> <p>TN Spray Tip Fine/hollow cone spray tip</p>	<p>S</p> <p>TN-SSTC Spray Tip High-pressure tungsten carbide orifice tip</p>
<p>T Body/Cap 1/8" to 1/2" female conn. Use with TX, D, T-W or TN tips</p>	<p>TT Body/Cap 1/8" to 1/2" male conn. Use with TX, D, T-W or TN tips</p>
<p>11430 High Pressure Body 1/4" female conn. Use with TN-SSTC tips</p>	

ORDERING INFORMATION

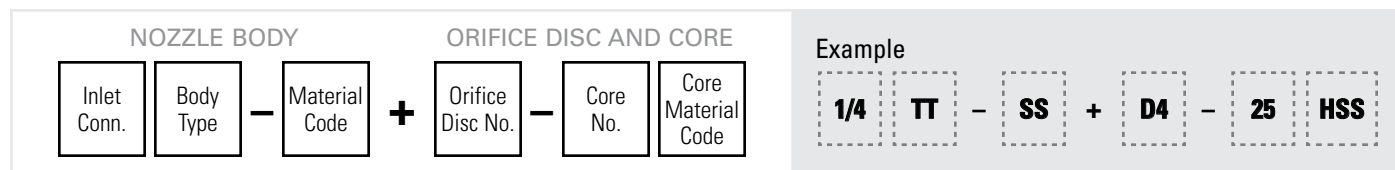
UNIJET



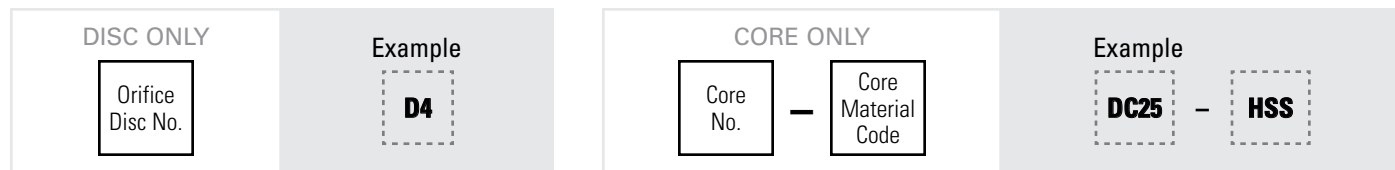
UniJet nozzle assemblies include a pre-sized wire mesh based on orifice diameter. When ordering just a UniJet spray tip, the mesh is not included. See Accessories, page F6 for a mesh selection guide and ordering information.

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

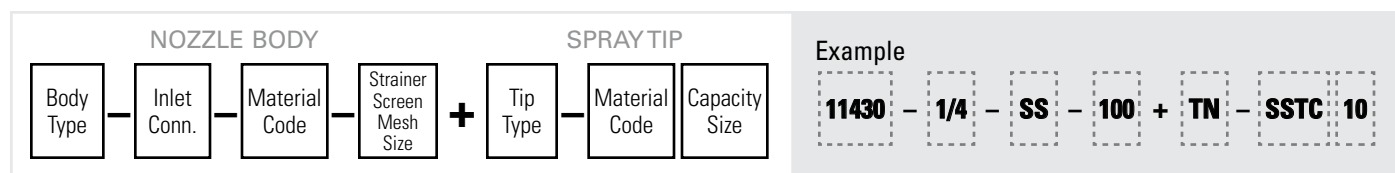
UNIJET – DISC AND CORE TYPE



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



UNIJET HIGH PRESSURE



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

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
T body	F	1/8 to 1/2	Brass, 303 stainless steel (SS)	–	D26
TT body	M			–	
11430 body	F	1/4	303 stainless steel (SS)	–	
TX spray tip	NA	NA	Brass, 303 stainless steel (SS)	D22	
D spray tip	NA	NA	Brass, 303 stainless steel (SS), Hardened stainless steel (HSS)	D23–D24	
T-W spray tip	NA	NA	Brass, 303 stainless steel (SS)	D22	
TN spray tip	NA	NA		D25	
TN-SSTC spray tip	NA	NA	303 stainless steel with tungsten carbide orifice (SSTC)	D25–D26	

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.

**RELATIVE DROP SIZE
IN MICRONS**



Drop size will vary based on flow rate and pressure.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Body Inlet Conn. (in.)	UniJet Tip Type	Capacity Size	Orifice Dia. Nom. (mm)	Flow Rate Capacity (liters per hour)					Approximate Spray Pattern Dia. (at 30 cm distance) (cm)
	TN-SSTC			25 bar	50 bar	80 bar	100 bar	140 bar	
1/4	●	4	1.1	46	64	82	91	108	20.3
	●	6	1.1	68	97	122	137	162	25.4
	●	8	1.5	91	129	163	182	216	30.5
	●	9	1.5	103	145	183	205	243	35.6
	●	10	1.6	114	161	204	228	270	40.6
	●	12	1.9	137	193	245	274	324	45.7
	●	14	1.9	160	226	285	319	378	35.6
	●	15	2.1	171	242	306	342	405	40.6
	●	16	2.2	182	258	326	365	432	45.7
	●	18	1.9	205	290	367	410	485	40.6
	●	20	2.1	228	322	408	456	539	45.7
	●	22	1.9	251	355	449	501	593	30.5
	●	24	2.1	274	387	489	547	647	33
	●	26	2.2	296	419	530	593	701	35.6

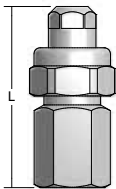
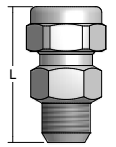
Spray pattern diameter is based on liquid with viscosity of 20 seconds #3 Zahn Cup spraying at 1600 psi (110 bar).

Coverage will vary with viscosities and pressures. Tabulated capacities are based on water.

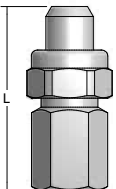
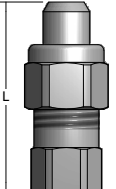
Other body types may be available. Contact your sales engineer for more information.

Calibration pressure = 40 psi (3 bar).

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + TX TT (M) + TX	1/4	47.6	13/16	0.07
	T (F) + T-W TT (M) + T-W	1/4	47.6	13/16	0.07
	T (F) + D TT (M) + D	1/4	38.1	13/16	0.07

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	Hex. (in.)	Net Weight (kg)
	T (F) + TN TT (M) + TN	1/4	48.4	13/16	0.07
	T (F) + TN-SSTC TT (M) + TN-SSTC	1/4	48.4	13/16	0.07
	11430 (F) + TN-SSTC	1/4	49.2	13/16	0.07

Based on the largest/heaviest version of each type.