



FLAT SPRAY NOZZLES

PRESSURE WASHING · CLEANING
RINSING · COOLING · COATING
WASHDOWN · PARTS WASHING
DEGREASING · MOISTENING
SURFACE PREPARATION
SNOWMAKING



FLAT SPRAY NOZZLES INTRODUCTION



MORE SIZES AND OPTIONS THAN ANY OTHER SUPPLIER

Styles:

- Conventional
- Quick-connect

Spray patterns:

- Standard
- Wide angle
- Narrow angle

Spray angles: 0° (solid stream) to 170°

Flow rate range: .003 to 1237 gpm (.013 to 4720 lpm)

Operating pressure range: up to 4000 psi (275 bar)

Connections:

- 1/8" to 2" pipe sizes
- Female and male NPT and BSPT

Materials:

- Brass
- Mild steel
- 303 stainless steel
- 316 stainless steel
- 400 series stainless steel
- Polyvinyl chloride
- Hardened stainless steel
- ProMax®
- Other specialty materials available

See Trademark Registration and Ownership, page i-1.

OPTIMIZE THE PERFORMANCE OF VEEJET® NOZZLES:

Accurately control spray line pressure with piston-type **pressure relief valves**. Minimize liquid waste caused by excessive pressure by bypassing excess liquid back to the liquid source or pump inlet.

See page F31



Use **adjustable ball fittings** for quick positioning of spray tips. Tips can be adjusted within a 50° included angle. Locking screws maintain nozzle position even when jarred or subject to vibration.

See page F23



Minimize clogging in UniJet® nozzles by trapping larger particles and preventing debris from entering the orifice by using **strainers**. Available in a wide range of materials and mesh sizes.

See page F16



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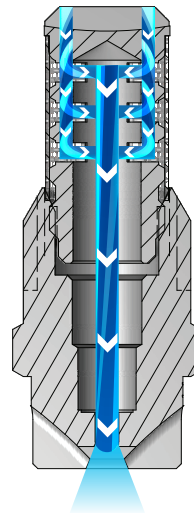
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OVERVIEW: VEEJET H AND U

- Flat spray nozzles are ideal for use in spray headers or manifolds. They produce a fan-type, tapered-edge spray pattern to ensure even coverage when multiple nozzles are used in a series
- Solid stream (0° spray angle) available to achieve highest impact of any nozzle type
- Consistent performance over the industry's largest range of flow rates and pressures
- Some models feature an integral strainer
- High pressure/high impact versions available
- Quick-connect versions available to speed maintenance and installation

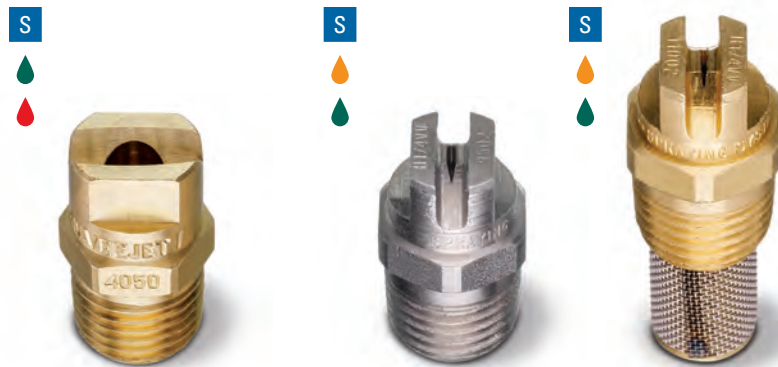


VeeJet H and U Nozzles

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.

VEEJET H AND U NOZZLES




- Flat fan type, tapered edge spray pattern
- One-piece design
- Spray angles from 0° to 110°
- Uniform spray distribution with flow rates from .012 to 1237 gpm (.047 to 4720 lpm)
- Operating pressures up to 500 psi (35 bar)



H-U
1/8" to 3/4" male conn.
Flow rates of 1 gpm and greater at 40 psi
(3.8 lpm and greater at 2.8 bar)

H-VV and H-VVL
1/8" to 1/4" male conn.
Flow rates below 1 gpm at 40 psi
(3.8 lpm at 2.8 bar)
H-VVL includes integral strainer

VEEJET H AND U OPTIONS

<p>S</p>  <p>H-DT 1/8" to 1/4" female conn. Flow rates below 1 gpm at 40 psi (3.8 lpm at 2.8 bar)</p>	<p>S</p>  <p>H-DU 1/8" to 1/4" female conn. Flow rates of 1 gpm and greater at 40 psi (3.8 lpm and greater at 2.8 bar)</p>	<p>S</p>  <p>U 1" to 2" male conn. Flow rates of 40 gpm and greater at 40 psi (151 lpm and greater at 2.8 bar)</p>
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**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.

ORDERING INFORMATION

VEEJET H-DT, H-DU, H-U, H-VV AND H-VVL



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

VEEJET U

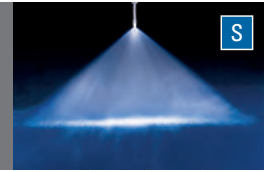


BSPT connections require the addition of a "B" prior to the inlet connection.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
H-DT	F	1/8 to 1/4	Brass, 303 stainless steel (SS)	C6-C8	C13
H-DU	F	1/8 to 1/4	Brass, 303 stainless steel (SS), Polyvinyl chloride (PVC)	C9-C13	
H-U	M	1/8 to 3/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS), Polyvinyl chloride (PVC)	C9-C13	
H-VV	M	1/8 to 1/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS)	C6-C8	
H-VVL	M	1/8 to 1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	C6-C8	
U	M	1 to 2	Brass, Mild steel (I), 303 stainless steel (SS)	C9-C13	

F = female thread; M = male thread. 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.



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PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-VV		H-VVL		H-DT				5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	1/8	1/4	1/8	1/4																
110°	•	•	•	•			01	.026	.035	.05	.07	.10	.14	.16	.22	.27	.35	94	110	121	124	
	•	•	•	•			015	.032	.05	.08	.11	.15	.21	.24	.34	.41	.53	97	110	121	124	
	•	•	•	•		•	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	98	110	120	123	
	•	•	•	•		•	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	99	110	120	123	
	•	•	•	•	•	•	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	100	110	119	122	
	•	•	•	•		•	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	100	110	118	122	
	•	•	•	•	•	•	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	101	110	117	122	
	•	•	•	•		•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	102	110	117	121	
	•	•	•	•	•	•	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	103	110	117	119	
	•	•	•	•		•	15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	104	110	117	118	
95°	•		•		•		0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	81	95	105	113	
	•	•	•	•			01	.026	.035	.05	.07	.10	.14	.16	.22	.27	.35	81	95	105	113	
	•		•	•			015	.032	.05	.08	.11	.15	.21	.24	.34	.41	.53	82	95	105	113	
	•	•	•	•	•	•	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	82	95	105	113	
	•	•	•	•		•	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	83	95	104	111	
	•	•	•	•	•	•	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	84	95	103	108	
	•	•	•	•	•		05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	84	95	102	107	
	•	•	•	•	•	•	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	86	95	101	106	
	•				•		065	.064	.23	.33	.46	.65	.92	1.0	1.5	1.8	2.3	86	95	101	106	
	•	•	•	•	•	•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	87	95	100	105	
80°	•	•	•	•			0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	61	80	95	101	
	•	•	•	•			0067	.021	–	.033	.05	.067	.09	.11	.15	.18	.24	67	80	94	99	
	•	•	•	•	•	•	01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	68	80	89	92	
		•	•	•		•	015	.032	–	.08	.11	.15	.21	.24	.34	.41	.53	68	80	89	92	
	•	•	•	•	•	•	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	69	80	88	91	
	•	•	•	•	•	•	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	70	80	87	90	
	•	•	•	•	•	•	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	71	80	86	89	
	•	•	•	•	•	•	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	71	80	86	89	
	•	•	•	•	•	•	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	72	80	85	88	
	•				•	•	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	72	80	85	88	
	•	•		•	•	•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	72	80	84	87	
		•		•	•	•	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	73	80	84	87	

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	H-VV		H-VVL		H-DT				5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
	1/8	1/4	1/8	1/4	1/8	1/4															
73°	•	•	•	•	•		0077	.023	–	.039	.055	.077	.11	.12	.17	.21	.27	53	73	86	92
	•	•	•	•			0154	.032	.054	.077	.11	.15	.22	.24	.34	.42	.54	55	73	84	88
		•		•			0231	.038	.082	.12	.16	.23	.33	.37	.52	.63	.82	56	73	83	87
	•	•	•	•			0308	.044	.11	.15	.22	.31	.44	.49	.69	.84	1.1	58	73	82	86
		•		•			0462	.054	.16	.23	.33	.46	.65	.73	1.0	1.3	1.6	60	73	80	84
	•		•				0770	.069	.27	.39	.54	.77	1.1	1.2	1.7	2.1	2.7	64	73	77	82
65°	•		•				0017	.011	–	–	.012	.017	.024	.027	.038	.047	.06	44	65	77	86
	•		•				0033	.015	–	–	.023	.033	.047	.052	.07	.09	.12	47	65	76	83
	•	•	•	•	•		0067	.021	–	.033	.05	.067	.09	.11	.15	.18	.24	50	65	75	81
	•	•	•	•	•	•	01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	51	65	74	80
	•	•	•	•			015	.032	–	.08	.11	.15	.21	.24	.34	.41	.53	51	65	74	80
	•	•	•	•	•	•	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	52	65	73	79
	•		•				025	.039	.09	.13	.18	.25	.35	.40	.56	.68	.88	52	65	73	79
	•	•	•	•	•	•	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	53	65	72	78
	•	•	•	•	•	•	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	53	65	72	76
	•	•	•	•	•	•	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	53	65	72	76
		•			•	•	055	.059	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9	53	65	72	76
	•	•		•	•	•	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	54	65	72	75
		•			•	•	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	54	65	71	75
	•	•	•	•	•	•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	55	65	71	74
	•				•	•	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	55	65	71	74
50°	•	•	•	•			01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	37	50	59	65
	•	•	•	•			02	.035	–	.10	.14	.20	.28	.32	.45	.55	.71	39	50	57	63
	•	•	•	•		•	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	40	50	56	62
	•	•	•	•		•	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	42	50	56	61
	•	•	•	•		•	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	44	50	56	61
	•					•	055	.059	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9	44	50	56	61
	•	•	•	•		•	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	45	50	56	60
	•	•				•	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	45	50	56	60
	•	•	•	•		•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	45	50	55	60
		•			•	•	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	45	50	55	59
40°	•	•	•	•	•		01	.026	–	–	.07	.10	.14	.16	.22	.27	.35	26	40	52	59
	•	•	•	•	•		015	.032	–	–	.11	.15	.21	.24	.34	.41	.53	27	40	52	59
	•	•	•	•	•	•	02	.035	–	.10	.14	.20	.28	.32	.45	.55	.71	29	40	51	58
	•	•	•	•	•	•	03	.043	–	.15	.21	.30	.42	.47	.67	.82	1.1	30	40	50	57
	•	•	•	•	•	•	04	.050	–	.20	.28	.40	.57	.63	.89	1.1	1.4	30	40	50	56

Highlighted column shows the rated pressure.



**S PERFORMANCE DATA:
STANDARD ANGLE SPRAY**

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	H-VV		H-VVL		H-DT				5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
	1/8	1/4	1/8	1/4	1/8	1/4															
40°	•	•	•	•	•	•	05	.056	–	.25	.35	.50	.71	.79	1.1	1.4	1.8	31	40	49	55
	•	•			•	•	055	.059	–	.28	.39	.55	.78	.87	1.2	1.5	1.9	31	40	49	55
	•	•	•	•	•	•	06	.061	–	.30	.42	.60	.85	.95	1.3	1.6	2.1	31	40	49	55
	•	•			•	•	065	.064	–	.33	.46	.65	.92	1.0	1.5	1.8	2.3	31	40	48	54
	•	•			•	•	07	.066	–	.35	.49	.70	.99	1.1	1.6	1.9	2.5	31	40	48	54
	•	•	•	•	•	•	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	31	40	47	53
	•						085	.073	.30	.43	.60	.85	1.2	1.3	1.9	2.3	3.0	32	40	46	50
	•	•			•	•	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	32	40	46	50
25°	•	•	•	•	•		01	.026	–	–	.07	.10	.14	.16	.22	.27	.35	14	25	34	42
	•	•	•	•	•	•	02	.035	–	–	.14	.20	.28	.32	.45	.55	.71	15	25	33	40
	•	•	•	•	•	•	03	.043	–	–	.21	.30	.42	.47	.67	.82	1.1	15	25	33	40
	•	•	•	•	•	•	04	.050	–	.20	.28	.40	.57	.63	.89	1.1	1.4	1.6	25	32	39
				•	•	•	045	.053	–	.23	.32	.45	.64	.71	1.0	1.2	1.6	16	25	32	39
	•	•	•	•	•	•	05	.056	–	.25	.35	.50	.71	.79	1.1	1.4	1.8	16	25	32	39
	•	•			•	•	055	.059	–	.28	.39	.55	.78	.87	1.2	1.5	1.9	16	25	31	38
	•	•	•	•	•	•	06	.061	–	.30	.42	.60	.85	.95	1.3	1.6	2.1	17	25	31	38
	•	•			•	•	065	.064	–	.33	.46	.65	.92	1.0	1.5	1.8	2.3	17	25	31	38
	•	•	•	•	•	•	07	.066	–	.35	.49	.70	.99	1.1	1.6	1.9	2.5	17	25	31	38
	•	•					075	.068	–	.38	.53	.75	1.1	1.2	1.7	2.1	2.7	17	25	31	38
	•	•	•	•	•	•	08	.071	–	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	17	25	31	38
	•						085	.073	–	.43	.60	.85	1.2	1.3	1.9	2.3	3.0	18	25	31	37
•	•			•	•	09	.075	–	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	17	25	31	37	
				•		15	.094	–	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	18	25	31	37	
15°	•	•		•			01	.026	–	–	–	.10	.14	.16	.22	.27	.35	–	15	24	28
	•		•		•	•	02	.035	–	–	.14	.20	.28	.32	.45	.55	.71	6	15	22	27
	•	•	•	•	•	•	03	.043	–	–	.21	.30	.42	.47	.67	.82	1.1	6	15	22	27
	•	•	•	•	•	•	04	.050	–	–	.28	.40	.57	.63	.89	1.1	1.4	7	15	21	26
	•	•	•	•	•	•	05	.056	–	–	.35	.50	.71	.79	1.1	1.4	1.8	7	15	21	26
	•	•			•	•	055	.059	–	.28	.39	.55	.78	.87	1.2	1.5	1.9	7	15	21	26
	•	•	•	•	•	•	06	.061	–	.30	.42	.60	.85	.95	1.3	1.6	2.1	8	15	21	26
	•	•			•	•	065	.064	–	.33	.46	.65	.92	1.0	1.5	1.8	2.3	8	15	20	25
		•			•	•	07	.066	–	.35	.49	.70	.99	1.1	1.6	1.9	2.5	8	15	20	25
	•	•	•	•	•	•	08	.071	–	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	9	15	20	25
	•	•			•	•	085	.073	–	.43	.60	.85	1.2	1.3	1.9	2.3	3.0	9	15	19	24
	•	•			•	•	09	.075	–	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	9	15	19	24

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)										Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U					5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8	1/2	3/4	1/8	1/4	1	1-1/4	2																
110°		●									20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	105	110	117	118	
95°	●	●		●		●	●				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	89	95	100	105	
	●	●		●		●	●				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	90	95	100	105	
	●	●	●				●				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	90	95	100	105	
	●	●		●		●	●				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	91	95	101	105	
		●	●	●			●				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	92	95	100	105	
		●		●			●				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	93	95	99	103	
		●		●			●				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	93	95	99	103	
		●	●	●			●				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	93	95	99	103	
				●							80	.217	2.8	4.0	5.7	8.0	11.3	12.6	17.9	22	28	93	95	99	102	
				●							100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	93	95	99	102	
			●							150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	93	95	99	102		
				●						400	.472	14.1	20	28	40	57	63	89	110	141	93	95	99	102		
80°	●	●	●	●		●	●				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	73	80	84	87	
	●	●		●		●	●				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	74	80	83	86	
	●	●	●	●		●	●				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	74	80	83	86	
	●	●	●	●		●	●				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	74	80	83	86	
	●	●	●	●		●	●				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	74	80	83	86	
		●	●	●			●				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	74	80	83	85	
		●	●	●			●				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	75	80	83	85	
		●	●	●			●				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	75	80	83	86	
			●	●							100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	75	80	83	86	
			●	●							150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	73	80	84	86	
				●	●						200	.343	7.1	10.0	14.1	20	28	32	45	55	71	74	80	82	85	
					●						400	.472	14.1	20	28	40	57	63	89	110	141	78	80	81	83	
								●		500	.528	17.7	25	35	50	71	79	112	137	177	78	80	81	83		
								●		580	.569	21	29	41	58	82	92	130	159	205	78	80	81	83		
65°	●	●	●			●	●				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	56	65	71	74	
	●	●									12	.084	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	56	65	71	73	
	●	●	●	●		●	●				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	56	65	70	73	
	●	●		●		●	●				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	57	65	70	73	
	●										25	.121	.88	1.3	1.8	2.5	3.5	4.0	5.6	6.8	8.8	57	65	69	73	
	●	●	●			●	●				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	58	65	69	72	
	●	●	●			●	●				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	59	65	68	72	
	●	●	●	●			●				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	60	65	68	71	
		●	●	●			●				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	60	65	68	71	

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)										Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U					5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8	1/2	3/4	1/8	1/4	1	1-1/4	2																
65°		•	•	•		•	•				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	60	65	68	71	
			•	•							100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	58	65	69	70	
			•	•							150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	59	65	68	70	
				•	•						200	.343	7.1	10.0	14.1	20	28	32	45	55	71	60	65	67	69	
					•						250	.373	8.8	12.5	17.7	25	35	40	56	68	88	60	65	67	69	
					•						300	.409	10.6	15.0	21	30	42	47	67	82	106	60	65	67	69	
						•					400	.472	14.1	20	28	40	57	63	89	110	141	60	65	67	69	
								•	•		500	.528	17.7	25	35	50	71	79	112	137	177	60	65	66	68	
50°							•				02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	39	50	57	63	
							•				03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	40	50	56	62	
							•				04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	42	50	56	61	
							•				05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	44	50	56	61	
							•				055	.059	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9	44	50	56	61	
							•				06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	45	50	56	60	
							•				07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	45	50	56	60	
							•				08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	45	50	55	60	
		•	•	•			•	•			10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	45	50	55	59	
			•	•	•		•	•			15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	45	50	55	59	
		•	•	•	•			•			20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	45	50	55	59	
		•	•	•	•				•		30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	45	50	55	59	
		•	•	•			•	•			40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	46	50	54	59	
		•	•	•				•			50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	46	50	54	59	
			•	•				•			60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	46	50	54	59	
			•	•	•				•		70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	46	50	54	59	
			•	•							80	.217	2.8	4.0	5.7	8.0	11.3	12.6	17.9	22	28	45	50	53	58	
				•							85	.224	3.0	4.3	6.0	8.5	12.0	13.4	19.0	23	30	45	50	53	57	
			•								90	.230	3.2	4.5	6.4	9.0	12.7	14.2	20	25	32	45	50	53	56	
				•	•						100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	44	50	52	54	
			•							110	.255	3.9	5.5	7.8	11.0	15.6	17.4	25	30	39	45	50	53	54		
			•							120	.266	4.2	6.0	8.5	12.0	17.0	19.0	27	33	42	44	50	53	55		
			•							135	.282	4.8	6.8	9.5	13.5	19.1	21	30	37	48	45	50	52	55		
			•	•						150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	45	50	52	55		
				•						200	.343	7.1	10.0	14.1	20	28	32	45	55	71	46	50	52	55		
				•						250	.384	8.8	12.5	17.7	25	35	40	56	68	88	46	50	52	55		
					•					400	.472	14.1	20	28	40	57	63	89	110	141	46	50	52	55		

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)											Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U						5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8	1/2	3/4	1/8	1/4	1	1-1/4	2																	
50°								•	•			500	.528	17.7	25	35	50	71	79	112	137	177	49	50	51	54	
								•				580	.569	21	29	41	58	82	92	130	159	205	49	50	51	53	
									•			750	.647	27	38	53	75	106	119	168	205	265	49	50	51	53	
									•			1000	.747	35	50	71	100	141	158	224	274	354	49	50	51	53	
										•		1500	.915	53	75	106	150	212	237	335	411	530	49	50	51	52	
										•		2000	1.056	71	100	141	200	283	316	447	548	707	49	50	51	52	
40°	•	•	•				•	•				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	32	40	45	48	
	•	•	•	•			•	•				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	32	40	45	48	
	•	•	•	•			•	•				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	32	40	45	48	
	•	•	•				•	•				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	33	40	45	48	
	•	•	•				•	•				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	34	40	45	48	
		•	•	•				•				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	35	40	45	48	
		•	•	•				•				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	35	40	45	48	
		•	•	•				•				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	35	40	45	48	
		•										80	.217	2.8	4.0	5.7	8.0	11.3	12.6	17.9	22	28	35	40	44	47	
			•	•								100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	34	40	43	46	
			•	•								150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	35	40	43	44	
				•								200	.343	7.1	10.0	14.1	20	28	32	45	55	71	36	40	42	44	
25°								•	•			500	.528	17.7	25	35	50	71	79	112	137	177	38	40	41	45	
	•	•					•	•				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	18	25	31	37	
	•	•	•				•	•				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	18	25	31	37	
	•	•	•				•	•				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	19	25	31	37	
	•	•	•				•	•				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	20	25	30	36	
		•	•				•	•				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	21	25	29	35	
		•	•					•				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	21	25	29	35	
		•	•					•				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	22	25	29	35	
		•	•	•				•				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	22	25	29	35	
			•	•								100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	23	25	28	32	
			•	•								150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	24	25	28	30	
				•								200	.343	7.1	10.0	14.1	20	28	32	45	55	71	24	25	26	29	
									•	•			500	.528	17.7	25	35	50	71	79	112	137	177	24	25	26	29
										•			750	.647	27	38	53	75	106	119	168	205	265	24	25	26	28
									•			1000	.747	35	50	71	100	141	158	224	274	354	24	25	26	28	
15°	•	•					•	•				10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	10	15	19	24	
	•	•	•				•	•				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	10	15	19	24	
	•	•	•				•	•				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	10	15	19	23	

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)										Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U					5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8	1/2	3/4	1/8	1/4	1	1-1/4	2																
15°	•	•	•			•	•				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	10	15	19	21	
	•	•	•			•	•				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	10	15	18	21	
		•	•	•			•					50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	11	15	18	21
		•	•				•					60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	11	15	18	21
		•	•	•			•					70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	11	15	18	21
			•	•								100	.243	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35	13	15	17	18
			•									120	.266	4.2	6.0	8.5	12.0	17.0	19.0	27	33	42	13	15	17	18
				•								150	.297	5.3	7.5	10.6	15.0	21	24	34	41	53	14	15	17	18
					•						•	200	.343	7.1	10.0	14.1	20	28	32	45	55	71	14	15	17	18
											•	500	.528	17.7	25	35	50	71	79	112	137	177	14	15	16	17
										•	1000	.747	35	50	71	100	141	158	224	274	354	14	15	16	17	
0°	•	•					•				03	.041	.11	.15	.21	.30	.42	.47	.67	.82	1.1					
	•	•					•	•			04	.047	.14	.20	.28	.40	.57	.63	.89	1.1	1.4					
	•	•					•	•			05	.053	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8					
	•	•					•	•			055	.055	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9					
	•	•					•	•			06	.058	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1					
	•	•					•	•			065	.060	.23	.33	.46	.65	.92	1.0	1.5	1.8	2.3					
		•					•	•			07	.062	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5					
	•	•					•	•			08	.067	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8					
	•										085	.069	.30	.43	.60	.85	1.2	1.3	1.9	2.3	3.0					
	•	•					•	•			09	.071	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2					
	•	•					•	•			10	.075	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5					
		•						•			12	.082	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2					
	•	•					•	•			15	.091	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3					
	•	•	•				•	•			20	.106	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1					
	•	•					•	•			30	.129	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6					
	•	•					•	•			40	.149	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1					
		•						•			50	.167	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7					
		•						•			60	.183	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21					
		•	•					•			70	.198	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25					
		•	•								80	.211	2.8	4.0	5.7	8.0	11.3	12.6	17.9	22	28					
		•								100	.236	3.5	5.0	7.1	10.0	14.1	15.8	22	27	35						
		•								120	.259	4.2	6.0	8.5	12.0	17.0	19.0	27	33	42						
			•							150	.289	5.3	7.5	10.6	15.0	21	24	34	41	53						
				•						165	.303	5.8	8.3	11.7	16.5	23	26	37	45	58						
				•						200	.334	7.1	10.0	14.1	20	28	32	45	55	71						

0
Solid Stream

Highlighted column shows the rated pressure.

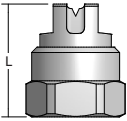
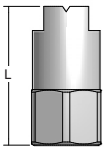
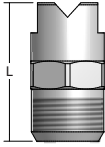
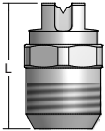


S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

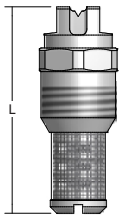
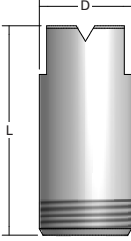
Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)										Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U					5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8	1/2	3/4	1/8	1/4	1	1-1/4	2																
0°			●	●							250	.373	8.8	12.5	17.7	25	35	40	56	68	88	0 Solid Stream				
					●						350	.437	12.4	17.5	25	35	49	55	78	96	124					
								●	●			570	.558	20	29	40	57	81	90	127	156		202			
					●							700	.618	25	35	49	70	99	111	157	192		247			
								●				1000	.739	35	50	71	100	141	158	224	274		354			
								●				1100	.775	39	55	78	110	156	174	246	301		389			
									●			1400	.875	49	70	99	140	198	221	313	383		495			
									●			1800	.992	64	90	127	180	255	285	402	493		636			
										●		2000	1.045	71	100	141	200	283	316	447	548		707			
										●		3500	1.383	124	175	247	350	495	553	783	959		1237			

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.)
	H-DT (F)	1/8	0.750	1/2	-	0.5
		1/4	0.780	5/8	-	0.8
	H-DU (F)	1/8	1.125	1/2	-	0.8
		1/4	1.250	5/8	-	1.3
	H-U (M)	1/8	1.000	9/16	-	0.5
		1/4	1.000	9/16	-	0.8
		3/8	1.250	11/16	-	1.5
		1/2	1.500	7/8	-	2.3
		3/4	2.000	1-1/16	-	5
	H-VV (M)	1/8	0.875	1/2	-	0.5
		1/4	0.906	9/16	-	0.8

Based on the largest/heaviest version of each type.

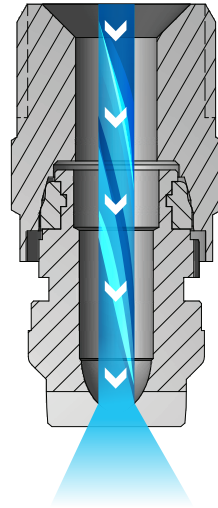
Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Net Weight (oz.)
	H-VVL (M)	1/8	1.531	1/2	-	0.8
		1/4	1.250	9/16	-	1
	U (M)	1	2.313	-	1.313	9
		1-1/4	3.750	-	1.688	20
		2	5.375	-	2.375	68

Based on the largest/heaviest version of each type.



OVERVIEW: QUICK VEEJET AND PROMAX QUICK VEEJET

- 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 important
- Flat fan type, tapered edge spray pattern
- Spray angles from 0° to 110°
- Uniform spray distribution with flow rates from .035 to 68 gpm (.14 to 255 lpm)
- Operating pressures up to 300 psi (20 bar)
- Choice of metal or ProMax. ProMax features:
 - ProMax material, a special grade of polypropylene, resists build-up and chemical attack; for use up to 150 psi (10 bar)
 - Internal O-ring provides a positive seal between the body and tip; seal remains attached to tip eliminating accidental loss
 - Optional external O-ring protects nozzle from contaminants
 - Tips are color-coded for easy flow rate identification



Quick VeeJet and ProMax Quick 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.

QUICK VEEJET AND MINIATURE QUICK VEEJET OPTIONS

S



QLUA Spray Tip + QJLA Body
3/8" to 1/2" male conn.



QJLA Body
3/8" to 1/2" female conn.



QJA Body
1/8" to 1/2" female conn.



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



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

S



QUA Spray Tip
Flow rates of 1 to 8 gpm at 40 psi
(3.9 to 32 lpm at 2.8 bar)
Use with QJA or QJJA bodies

S



QVVA Spray Tip
Flow rates below 1 gpm at 40 psi
(3.9 lpm at 2.8 bar)
Use with QJA or QJJA bodies

S



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

PROMAX QUICK VEEJET AND PROMAX MINIATURE QUICK VEEJET OPTIONS



OPTA Spray Tip + QPPA Body
1/4" to 3/8" male conn.
Optional external O-ring



QMVV Miniature Spray Tip + QPPM Miniature Body
1/8" to 1/4" male conn.
Options: body strainer, tip strainer and external O-ring

 <p>OPTA Spray Tip – White 1.0 gpm (3.9 lpm) Use with QPPA body</p>	 <p>OPTA Spray Tip – Grey 1.5 gpm (5.9 lpm) Use with QPPA body</p>	 <p>QMVV Spray Tip – White .10 gpm (.38 lpm) Use with QPPM body</p>	 <p>QMVV Spray Tip – Red .15 gpm (.59 lpm) Use with QPPM body</p>
 <p>OPTA Spray Tip – Black 2.0 gpm (7.9 lpm) Use with QPPA body</p>	 <p>OPTA Spray Tip – Orange 3.0 gpm (11.8 lpm) Use with QPPA body</p>	 <p>QMVV Spray Tip – Gray .20 gpm (.79 lpm) Use with QPPM body</p>	 <p>QMVV Spray Tip – Black .30 gpm (1.2 lpm) Use with QPPM body</p>
 <p>OPTA Spray Tip – Green 4.0 gpm (15.8 lpm) Use with QPPA body</p>	 <p>OPTA Spray Tip – Yellow 5.0 gpm (19.7 lpm) Use with QPPA body</p>	 <p>QMVV Spray Tip – Orange .40 gpm (1.6 lpm) Use with QPPM body</p>	 <p>QMVV Spray Tip – Green .50 gpm (2.0 lpm) Use with QPPM body</p>
 <p>OPTA Spray Tip – Blue 6.0 gpm (24 lpm) Use with QPPA body</p>	 <p>OPTA Spray Tip – Red 7.0 gpm (28 lpm) Use with QPPA body</p>	 <p>QMVV Spray Tip – Yellow .60 gpm (2.4 lpm) Use with QPPM body</p>	 <p>QMVV Spray Tip – Blue .80 gpm (3.2 lpm) Use with QPPM body</p>

Capacities at 40 psi (2.8 bar).

**RELATIVE DROP SIZE
IN MICRONS**

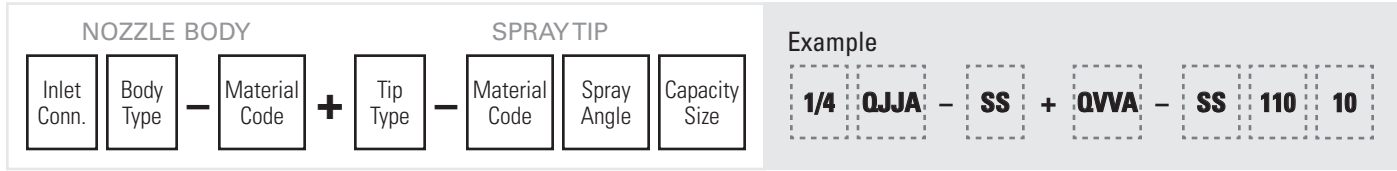
 10 to 100	 100 to 500	 500 to 1000	 1000 to 5000
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Drop size will vary based on flow rate and pressure.



ORDERING INFORMATION

METAL QUICK VEEJET



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

PROMAX QUICK VEEJET



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

Options for miniature ProMax Quick VeeJet nozzles:

1/8" conn.: Kynar body strainer: CP39212-1-KY

1/4" conn.: Kynar body strainer: CP39212-2-KY

Kynar tip strainer: CP45095

External O-ring: CP7717-2/13-VI

Optional external O-ring for standard ProMax Quick VeeJet nozzle: CP7717-2/17-VI

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
QJJS body	M	1/8 to 1/4	Brass, 303 stainless steel (SS)	-	C23
QSVV spray tip	NA	NA		C17-C22	
QJA and QJLA bodies	F	1/8 to 1/2		-	
QJJA and QJJLA bodies	M	1/8 to 1/2		-	
QLUA, QUA and QVVA spray tips	NA	NA	ProMax	C17-C22	
QPPM body	M	1/8 to 1/4		-	
QMVV spray tips	NA	NA		C17-C22	
QPPA body	M	1/8 to 1/2		-	
QPTA spray tips	NA	NA		C17-C22	

F = female thread; M = male thread; NA = not applicable. There is no material code for brass. Leave material code blank when ordering. For ProMax, the material code is built into part number. Other materials available upon request.

For more dimensions and sizes, contact your sales engineer.

See page B16 for maximum operating pressures for ProMax QuickJet nozzles at various temperatures.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi
110°	•	•					01	.026	.035	.05	.07	.10	.14	.16	.21	.22	.27	94	110	121	124
	•	•			•		015	.032	.05	.08	.11	.15	.21	.24	.31	.34	.41	97	110	121	124
	•	•			•		02	.036	.07	.10	.14	.20	.28	.32	.42	.45	.55	98	110	120	123
	•	•			•		03	.043	.11	.15	.21	.30	.42	.47	.63	.67	.82	99	110	120	123
		•			•		04	.050	.14	.20	.28	.40	.57	.63	.84	.89	1.1	100	110	119	122
		•			•		05	.056	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4	100	110	118	122
		•			•		06	.061	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6	101	110	117	122
	•	•			•		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	102	110	117	121
		•					10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	103	110	117	119
		•					15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	104	110	117	118
		•					20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	105	110	117	118
95°	•	•					01	.026	.035	.05	.07	.10	.14	.16	.21	.22	.27	81	95	105	113
		•			•		015	.032	.05	.08	.11	.15	.21	.24	.31	.34	.41	82	95	105	113
		•			•		02	.036	.07	.10	.14	.20	.28	.32	.42	.45	.55	82	95	105	113
		•			•		03	.043	.11	.15	.21	.30	.42	.47	.63	.67	.82	83	95	104	111
		•			•		04	.050	.14	.20	.28	.40	.57	.63	.84	.89	1.1	84	95	103	108
		•			•		05	.056	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4	84	95	102	107
		•			•		06	.061	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6	86	95	101	106
		•			•		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	87	95	100	105
			•			•	10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	89	95	100	105
			•			•	15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	90	95	100	105
			•			•	20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	90	95	100	105
			•			•	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	91	95	101	105
			•			•	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	92	95	100	105
			•			•	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	93	95	99	103
			•			•	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	93	95	99	103
			•			•	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	93	95	99	103
				•			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	93	95	99	102
	•					150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	93	95	99	102	
80°	•	•					0050	.018	–	–	.035	.050	.07	.08	.10	.11	.14	61	80	95	101
	•	•					0067	.021	–	.033	.05	.067	.09	.11	.14	.15	.18	67	80	94	99
	•	•					01	.026	–	.05	.07	.10	.14	.16	.21	.22	.27	68	80	89	92
	•	•					015	.032	–	.08	.11	.15	.21	.24	.31	.34	.41	68	80	89	92
	•	•			•		02	.036	.07	.10	.14	.20	.28	.32	.42	.45	.55	69	80	88	91

*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi
80°	•	•			•		03	.043	.11	.15	.21	.30	.42	.47	.63	.67	.82	70	80	87	90
	•	•			•		04	.050	.14	.20	.28	.40	.57	.63	.84	.89	1.1	71	80	86	89
		•			•		05	.056	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4	71	80	86	89
	•	•			•		06	.061	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6	72	80	85	88
	•	•			•		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	72	80	84	87
			•			•	10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	73	80	84	87
			•			•	15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	74	80	83	86
			•			•	20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	74	80	83	86
			•			•	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	74	80	83	86
			•			•	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	74	80	83	86
			•			•	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	74	80	83	85
			•			•	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	75	80	83	85
			•			•	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	75	80	83	86
				•			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	75	80	83	86
				•			150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	73	80	84	86
			•			200	.343	7.1	10.0	14.1	20	28	32	42	45	55	74	80	82	85	
73°		•					0023	.012	-	-	.016	.023	.032	.036	.05	.051	.063	50	73	89	97
		•					0039	.016	-	.020	.028	.039	.055	.062	.08	.087	.11	53	73	87	93
		•					0077	.023	-	.039	.055	.077	.11	.12	.16	.17	.21	53	73	86	92
		•					0116	.028	.041	.058	.082	.12	.16	.18	.24	.26	.32	54	73	85	90
		•					0154	.032	.054	.077	.11	.15	.22	.24	.32	.34	.42	55	73	84	88
		•					0231	.038	.082	.12	.16	.23	.33	.37	.48	.52	.63	56	73	83	87
		•					0308	.044	.11	.15	.22	.31	.44	.49	.64	.69	.84	58	73	82	86
		•					0385	.049	.14	.19	.27	.39	.54	.61	.81	.86	1.1	59	73	81	85
		•					0462	.054	.16	.23	.33	.46	.65	.73	.97	1.0	1.3	60	73	80	84
		•					0616	.062	.22	.31	.44	.62	.87	.97	1.3	1.4	1.7	63	73	79	83
		•					0770	.069	.27	.39	.54	.77	1.1	1.2	1.6	1.7	2.1	64	73	77	82
		•					0924	.076	.33	.46	.65	.92	1.3	1.5	1.9	2.1	2.5	65	73	77	80
65°		•					0017	.011	-	-	.012	.017	.024	.027	.04	.038	.047	44	65	77	86
		•					0025	.013	-	-	.018	.025	.035	.040	.05	.06	.07	45	65	77	84
		•					0033	.015	-	-	.023	.033	.047	.052	.07	.07	.09	47	65	76	83
		•					0050	.018	-	-	.035	.050	.07	.08	.10	.11	.14	48	65	75	82
		•					0067	.021	-	.033	.05	.067	.09	.11	.14	.15	.18	50	65	75	81
		•					01	.026	-	.05	.07	.10	.14	.16	.21	.22	.27	51	65	74	80
		•					015	.032	-	.08	.11	.15	.21	.24	.31	.34	.41	51	65	74	80
		•	•		•		02	.036	.07	.10	.14	.20	.28	.32	.42	.45	.55	52	65	73	79

*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)				
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi	
65°	•	•			•		03	.043	.11	.15	.21	.30	.42	.47	.63	.67	.82	53	65	72	78	
		•			•		04	.050	.14	.20	.28	.40	.57	.63	.84	.89	1.1	53	65	72	76	
		•			•		05	.056	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4	53	65	72	76	
		•			•		06	.061	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6	54	65	72	75	
		•			•		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	55	65	71	74	
			•			•		10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	56	65	71	74
			•			•		15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	56	65	70	73
			•			•		20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	57	65	70	73
			•			•		30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	58	65	69	72
			•			•		40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	59	65	68	72
			•			•		50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	60	65	68	71
			•			•		60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	60	65	68	71
			•			•		70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	60	65	68	71
				•				100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	58	65	69	70
				•				150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	59	65	68	70
			•				200	.343	7.1	10.0	14.1	20	28	32	42	45	55	60	65	67	69	
50°		•					0017	.011	-	-	.012	.017	.024	.027	.04	.038	.047	27	50	65	74	
		•					0025	.013	-	-	.018	.025	.035	.040	.05	.06	.07	29	50	64	71	
		•					0033	.015	-	-	.023	.033	.047	.052	.07	.07	.09	30	50	62	68	
		•					0050	.018	-	-	.035	.050	.07	.08	.10	.11	.14	32	50	60	66	
		•					0067	.021	-	-	.05	.067	.09	.11	.14	.15	.18	35	50	60	66	
		•					01	.026	-	.05	.07	.10	.14	.16	.21	.22	.27	37	50	59	65	
		•					015	.032	-	.08	.11	.15	.21	.24	.31	.34	.41	38	50	58	64	
		•			•		02	.036	-	.10	.14	.20	.28	.32	.42	.45	.55	39	50	57	63	
		•			•		03	.043	.11	.15	.21	.30	.42	.47	.63	.67	.82	40	50	56	62	
		•			•		04	.050	.14	.20	.28	.40	.57	.63	.84	.89	1.1	42	50	56	61	
		•			•		05	.056	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4	44	50	56	61	
		•			•		06	.061	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6	45	50	56	60	
		•			•		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	45	50	55	60	
			•			•		10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	45	50	55	59
			•			•		15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	45	50	55	59
			•			•		20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	45	50	55	59
			•			•		30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	45	50	55	59
			•			•		40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	46	50	54	59
		•			•		50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	46	50	54	59	
		•			•		60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	46	50	54	59	

*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi	
50°			●			●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	46	50	54	59	
				●			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	44	50	52	54	
				●			120	.266	4.2	6.0	8.5	12.0	17.0	19.0	25	27	33	44	50	53	55	
				●			150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	45	50	52	55	
				●			200	.343	7.1	10.0	14.1	20	28	32	42	45	55	46	50	52	55	
40°		●					0017	.011	–	–	.012	.017	.024	.027	.04	.038	.047	21	40	54	61	
		●					0025	.013	–	–	.018	.025	.035	.040	.05	.06	.07	22	40	53	60	
		●					0033	.015	–	–	.023	.033	.047	.052	.07	.07	.09	22	40	53	60	
		●					0050	.018	–	–	.035	.050	.07	.08	.10	.11	.14	22	40	53	60	
		●					0067	.021	–	–	.05	.067	.09	.11	.14	.15	.18	24	40	53	60	
		●					01	.026	–	–	.07	.10	.14	.16	.21	.22	.27	26	40	52	59	
		●					015	.032	–	–	.11	.15	.21	.24	.31	.34	.41	27	40	52	59	
		●			●		02	.036	–	.10	.14	.20	.28	.32	.42	.45	.55	29	40	51	58	
		●			●		03	.043	–	.15	.21	.30	.42	.47	.63	.67	.82	30	40	50	57	
		●			●		04	.050	–	.20	.28	.40	.57	.63	.84	.89	1.1	30	40	50	56	
		●			●		05	.056	–	.25	.35	.50	.71	.79	1.0	1.1	1.4	31	40	49	55	
		●			●		06	.061	–	.30	.42	.60	.85	.95	1.3	1.3	1.6	31	40	49	55	
		●			●		08	.071	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	31	40	47	53	
			●			●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	32	40	45	48	
			●			●	15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	32	40	45	48	
			●			●	20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	32	40	45	48	
			●			●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	33	40	45	48	
			●			●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	34	40	45	48	
			●			●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	35	40	45	48	
			●			●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	35	40	45	48	
		●			●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	35	40	45	48		
			●			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	34	40	43	46		
			●			150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	35	40	43	44		
			●			200	.343	7.1	10.0	14.1	20	28	32	42	45	55	36	40	42	44		
25°		●					0017	.011	–	–	–	.017	.024	.027	.04	.038	.047	–	25	35	47	
		●					0025	.013	–	–	–	.025	.035	.040	.05	.06	.07	–	25	35	45	
		●					0033	.015	–	–	–	.033	.047	.052	.07	.07	.09	–	25	34	44	
		●					0050	.018	–	–	–	.050	.07	.08	.10	.11	.14	–	25	34	43	
		●					0067	.021	–	–	–	.067	.09	.11	.14	.15	.18	–	25	34	42	
		●					01	.026	–	–	.07	.10	.14	.16	.21	.22	.27	14	25	34	42	
		●					015	.032	–	–	.11	.15	.21	.24	.31	.34	.41	15	25	34	41	

*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi
25°		●			●		02	.036	-	-	.14	.20	.28	.32	.42	.45	.55	15	25	33	40
		●			●		03	.043	-	-	.21	.30	.42	.47	.63	.67	.82	15	25	33	40
		●			●		04	.050	-	.20	.28	.40	.57	.63	.84	.89	1.1	16	25	32	39
		●			●		05	.056	-	.25	.35	.50	.71	.79	1.0	1.1	1.4	16	25	32	39
		●			●		06	.061	-	.30	.42	.60	.85	.95	1.3	1.3	1.6	17	25	31	38
		●			●		08	.071	-	.40	.57	.80	1.1	1.3	1.7	1.8	2.2	17	25	31	38
			●			●	10	.079	-	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	18	25	31	37
			●			●	15	.094	-	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	18	25	31	37
			●			●	20	.109	-	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	19	25	31	37
			●			●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	20	25	30	36
			●			●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	21	25	29	35
			●			●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	21	25	29	35
			●			●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	22	25	29	35
			●			●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	22	25	29	35
				●			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	23	25	28	32
				●			150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	24	25	28	30
			●			200	.343	7.1	10.0	14.1	20	28	32	42	45	55	24	25	26	29	
15°		●					0017	.011	-	-	-	.017	.024	.027	.04	.038	.047	-	15	30	37
		●					0025	.013	-	-	-	.025	.035	.040	.05	.06	.07	-	15	28	34
		●					0033	.015	-	-	-	.033	.047	.052	.07	.07	.09	-	15	27	32
		●					0050	.018	-	-	-	.050	.07	.08	.10	.11	.14	-	15	26	30
		●					0067	.021	-	-	-	.067	.09	.11	.14	.15	.18	-	15	25	29
		●					01	.026	-	-	-	.10	.14	.16	.21	.22	.27	-	15	24	28
		●					015	.032	-	-	-	.15	.21	.24	.31	.34	.41	-	15	23	27
		●					02	.036	-	-	.14	.20	.28	.32	.42	.45	.55	6	15	22	27
		●					03	.043	-	-	.21	.30	.42	.47	.63	.67	.82	6	15	22	27
		●					04	.050	-	-	.28	.40	.57	.63	.84	.89	1.1	7	15	21	26
		●					05	.055	-	-	.35	.50	.71	.79	1.0	1.1	1.4	7	15	21	26
		●					06	.061	-	-	.42	.60	.85	.95	1.3	1.3	1.6	8	15	21	26
		●					08	.071	-	-	.57	.80	1.1	1.3	1.7	1.8	2.2	9	15	20	25
			●				10	.079	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7	10	15	19	24
			●				15	.094	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1	10	15	19	24
			●				20	.109	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5	10	15	19	23
		●				30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2	10	15	19	21	
		●				40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0	10	15	18	21	
		●				50	.172	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7	11	15	18	21	

*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	Quick VeeJet Tip Type						Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	QSVV	QVVA	QUA	QLUA	QMVV	QPTA			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	175* psi	200** psi	300 psi	20 psi	40 psi	80 psi	200 psi
15°			●				60	.188	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4	11	15	18	21
			●				70	.203	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2	11	15	18	21
				●			100	.243	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27	13	15	17	18
				●			120	.266	4.2	6.0	8.5	12.0	17.0	19.0	25	27	33	13	15	17	18
				●			150	.297	5.3	7.5	10.6	15.0	21	24	31	34	41	14	15	17	18
				●			200	.343	7.1	10.0	14.1	20	28	32	42	45	55	14	15	17	18
0°		●					0009	.008	.003	.003	.005	.009	.013	.014	.020	.020	.025	0 Solid Stream			
		●					0012	.010	.004	.006	.008	.012	.017	.019	.027	.027	.033				
		●					0019	.012	.007	.009	.013	.019	.027	.030	.043	.043	.052				
	●	●					0021	.013	.007	.010	.011	.023	.033	.040	.047	.047	.052				
		●					0050	.019	.018	.025	.035	.050	.07	.08	.10	.11	.14				
		●					0067	.023	.024	.033	.05	.067	.09	.11	.14	.15	.18				
		●					01	.028	.035	.05	.07	.10	.14	.16	.21	.22	.27				
		●					015	.034	.05	.08	.11	.15	.21	.24	.31	.34	.41				
		●					02	.039	.07	.10	.14	.20	.28	.32	.42	.45	.55				
		●	●				03	.041	.11	.15	.21	.30	.42	.47	.63	.67	.82				
		●	●				04	.047	.14	.20	.28	.40	.57	.63	.84	.89	1.1				
		●	●				05	.053	.18	.25	.35	.50	.71	.79	1.0	1.1	1.4				
		●	●				06	.058	.21	.30	.42	.60	.85	.95	1.3	1.3	1.6				
		●	●				08	.067	.28	.40	.57	.80	1.1	1.3	1.7	1.8	2.2				
			●				10	.075	.35	.50	.71	1.0	1.4	1.6	2.1	2.2	2.7				
			●				15	.091	.53	.75	1.1	1.5	2.1	2.4	3.1	3.4	4.1				
			●				20	.106	.71	1.0	1.4	2.0	2.8	3.2	4.2	4.5	5.5				
			●				30	.129	1.1	1.5	2.1	3.0	4.2	4.7	6.3	6.7	8.2				
			●				40	.149	1.4	2.0	2.8	4.0	5.7	6.3	8.4	8.9	11.0				
			●				50	.167	1.8	2.5	3.5	5.0	7.1	7.9	10.5	11.2	13.7				
			●				60	.183	2.1	3.0	4.2	6.0	8.5	9.5	12.5	13.4	16.4				
			●				70	.198	2.5	3.5	4.9	7.0	9.9	11.1	14.6	15.7	19.2				
			●				80	.211	2.8	4.0	5.7	8.0	11.3	12.6	16.7	17.9	22				
				●			100	.236	3.5	5.0	7.1	10.0	14.1	15.8	21	22	27				
				●			120	.259	4.2	6.0	8.5	12.0	17.0	19.0	25	27	33				
			●			150	.289	5.3	7.5	10.6	15.0	21	24	31	34	41					
			●			200	.334	7.1	10.0	14.1	20	28	32	42	45	55					
			●			250	.373	8.8	12.5	17.7	25	35	40	52	56	68					

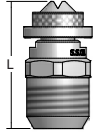
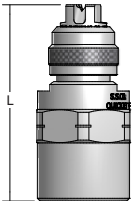
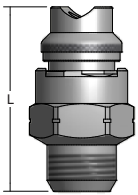
*Maximum pressure for QMVV is 175 psi.

**Maximum pressure for QPTA is 200 psi.


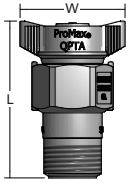
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	W (Width) (in.)	Net Weight (oz.)
	QJJS (M) + QSVV	1/8, 1/4	1.094	9/16	–	1.0
	QJA (F) + QVVA	1/8, 1/4, 3/8, 1/2	2.156	1	–	2.0
	QJJA (M) + QVVA	1/8, 1/4, 3/8, 1/2	2.063	1	–	2.8
	QJA (F) + QUA	1/8, 1/4, 3/8, 1/2	2.000	1	–	3.5
	QJJA (M) + QUA	1/8, 1/4, 3/8, 1/2	1.906	1	–	3.7
	QJLA (F) + QLUA	3/8, 1/2	2.313	1-1/8	–	4.8
	QJJLA (M) + QLUA	3/8, 1/2	2.313	1-1/8	–	4.8

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	W (Width) (in.)	Net Weight (oz.)
	QPPM (M) + QMVV	1/8, 1/4	1.188	5/8	0.687	0.1
	QPPA (M) + QPTA	1/8, 1/4, 3/8, 1/2	1.750	7/8	1.250	0.4

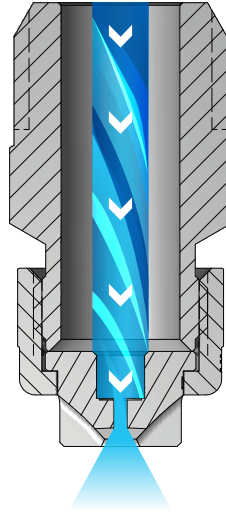
Based on the largest/heaviest version of each type.

BODY TYPES

Inlet Conn. (in.)	Quick VeeJet and ProMax Quick VeeJet Bodies						
	Conn. F		Conn. M				
	QJA	QJLA	QJJS	QJJA	QJJLA	QPPM	QPPA
1/8	•		•	•		•	•
1/4	•		•	•		•	•
3/8	•	•		•	•		•
1/2	•	•		•	•		•

OVERVIEW: UNIJET

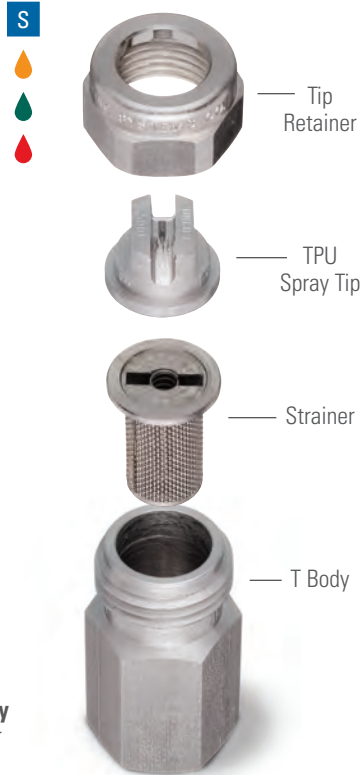
- A large choice of interchangeable spray tips, body types/sizes, materials, spray angles, flow rates and accessories allows use of different components in a single header to match performance to different operations
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced
- 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

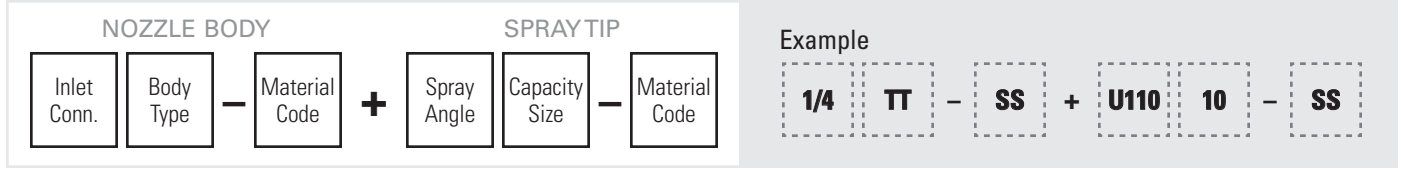
**RELATIVE DROP SIZE
IN MICRONS**

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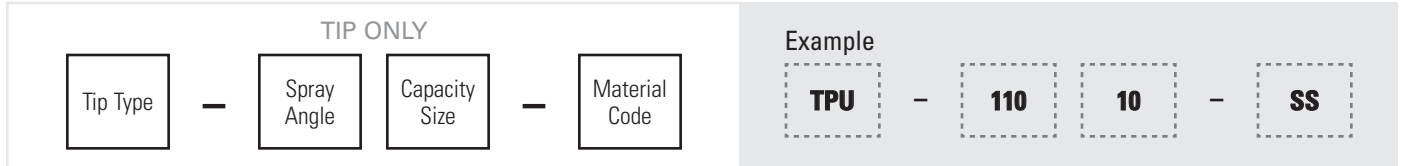
Drop size will vary based on flow rate and pressure.

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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)								Spray Angle (°)				
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
110°	●	●	0033	.015	–	–	.023	.033	.047	.052	.07	.09	.12	91	110	116	121
	●	●	0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	91	110	118	124
	●	●	0067	.021	–	–	.05	.067	.09	.11	.15	.18	.24	92	110	118	124
	●	●	01	.026	.035	.05	.07	.10	.14	.16	.22	.27	.35	94	110	121	124
	●	●	015	.032	.05	.08	.11	.15	.21	.24	.34	.41	.53	97	110	121	124
	●	●	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	98	110	120	123
	●	●	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	99	110	120	123
	●	●	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	100	110	119	122
	●	●	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
110°	●	●	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	101	110	117	122
	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	102	110	117	121
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	102	110	117	121
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	103	110	117	119
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	103	110	117	119
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	104	110	117	118
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	105	110	117	118
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	105	110	117	118
95°	●	●	01	.026	.035	.05	.07	.10	.14	.16	.22	.27	.35	81	95	105	113
	●	●	015	.032	.05	.08	.11	.15	.21	.24	.34	.41	.53	82	95	105	113
	●	●	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	82	95	105	113
	●	●	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	83	95	104	111
	●	●	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	84	95	103	108
	●	●	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	84	95	102	107
	●	●	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	86	95	101	106
	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	86	95	101	106
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	87	95	100	105
	●	●	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	89	95	100	105
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	89	95	100	105
	●	●	11	.083	.39	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9	89	95	100	105
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	89	95	100	105
	●	●	13	.090	.46	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	89	95	100	105
	●	●	14	.093	.49	.70	.99	1.4	2.0	2.2	3.1	3.8	4.9	89	95	100	105
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	90	95	100	105
	●	●	16	.100	.57	.80	1.1	1.6	2.3	2.5	3.6	4.4	5.7	90	95	100	105
	●	●	18	.106	.64	.90	1.3	1.8	2.5	2.8	4.0	4.9	6.4	90	95	100	105
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	90	95	100	105
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	91	95	101	105
●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	92	95	100	105	
●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	93	95	99	103	
●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	93	95	99	103	
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	93	95	99	103	
80°	●	●	0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	61	80	95	101
	●	●	0067	.021	–	.033	.05	.067	.09	.11	.15	.18	.24	67	80	94	99
	●	●	01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	68	80	89	92
	●	●	015	.032	–	.08	.11	.15	.21	.24	.34	.41	.53	68	80	89	92
	●	●	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	69	80	88	91
	●	●	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	70	80	87	90
	●	●	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	71	80	86	89
	●	●	045	.053	.16	.23	.32	.45	.64	.71	1.0	1.2	1.6	71	80	86	89
	●	●	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	71	80	86	89
	●	●	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	72	80	85	88

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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
80°	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	72	80	85	88
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	72	80	84	87
	●	●	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	73	80	84	87
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	73	80	84	87
	●	●	11	.083	.39	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9	73	80	83	86
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	73	80	83	86
	●	●	13	.090	.46	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	73	80	83	86
	●	●	14	.093	.49	.70	.99	1.4	2.0	2.2	3.1	3.8	4.9	73	80	83	86
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	74	80	83	86
	●	●	16	.100	.57	.80	1.1	1.6	2.3	2.5	3.6	4.4	5.7	74	80	83	86
	●	●	17	.103	.60	.85	1.2	1.7	2.4	2.7	3.8	4.7	6.0	74	80	83	86
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	74	80	83	86
	●	●	25	.121	.88	1.3	1.8	2.5	3.5	4.0	5.6	6.8	8.8	74	80	83	86
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	74	80	83	86
	●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	74	80	83	86
	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	74	80	83	85
	●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	75	80	83	85
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	75	80	83	86	
73°	●	●	0023	.012	–	–	.016	.023	.032	.036	.051	.063	.081	50	73	89	97
	●	●	0039	.016	–	.020	.028	.039	.055	.062	.087	.11	.14	53	73	87	93
	●	●	0077	.023	–	.039	.055	.077	.11	.12	.17	.21	.27	53	73	86	92
	●	●	0116	.028	.041	.058	.082	.12	.16	.18	.26	.32	.41	54	73	85	90
	●	●	0154	.032	.054	.077	.11	.15	.22	.24	.34	.42	.54	55	73	84	88
	●	●	0231	.038	.082	.12	.16	.23	.33	.37	.52	.63	.82	56	73	83	87
	●	●	0308	.044	.11	.15	.22	.31	.44	.49	.69	.84	1.1	58	73	82	86
	●	●	0385	.049	.14	.19	.27	.39	.54	.61	.86	1.1	1.4	59	73	81	85
	●	●	0462	.054	.16	.23	.33	.46	.65	.73	1.0	1.3	1.6	60	73	80	84
	●	●	0616	.062	.22	.31	.44	.62	.87	.97	1.4	1.7	2.2	63	73	79	83
	●	●	0770	.069	.27	.39	.54	.77	1.1	1.2	1.7	2.1	2.7	64	73	77	82
●	●	0924	.076	.33	.46	.65	.92	1.3	1.5	2.1	2.5	3.3	65	73	77	80	
65°	●	●	0017	.011	–	–	.012	.017	.024	.027	.038	.047	.06	44	65	77	86
	●	●	0025	.013	–	–	.018	.025	.035	.040	.06	.07	.09	45	65	77	84
	●	●	0033	.015	–	–	.023	.033	.047	.052	.07	.09	.12	47	65	76	83
	●	●	0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	48	65	75	82
	●	●	0067	.021	–	.033	.05	.067	.09	.11	.15	.18	.24	50	65	75	81
	●	●	01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	51	65	74	80
	●	●	015	.032	–	.08	.11	.15	.21	.24	.34	.41	.53	51	65	74	80
	●	●	02	.035	.07	.10	.14	.20	.28	.32	.45	.55	.71	52	65	73	79
	●	●	025	.039	.09	.13	.18	.25	.35	.40	.56	.68	.88	52	65	73	79
	●	●	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	53	65	72	78
	●	●	035	.047	.12	.18	.25	.35	.49	.55	.78	.96	1.2	53	65	72	78
	●	●	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	53	65	72	76

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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
65°	●	●	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	53	65	72	76
	●	●	055	.059	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9	53	65	72	76
	●	●	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	54	65	72	75
	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	54	65	72	75
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	55	65	71	74
	●	●	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	55	65	71	74
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	56	65	71	74
	●	●	11	.083	.39	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9	56	65	71	74
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	56	65	71	74
	●	●	13	.090	.46	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	56	65	71	74
	●	●	14	.093	.49	.70	.99	1.4	2.0	2.2	3.1	3.8	4.9	56	65	71	74
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	56	65	70	73
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	57	65	70	73
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	58	65	69	72
	●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	59	65	68	72
	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	60	65	68	71
	●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	60	65	68	71
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	60	65	68	71	
50°	●	●	0017	.011	–	–	.012	.017	.024	.027	.038	.047	.06	27	50	65	74
	●	●	0025	.013	–	–	.018	.025	.035	.040	.06	.07	.09	29	50	64	71
	●	●	0033	.015	–	–	.023	.033	.047	.052	.07	.09	.12	30	50	62	68
	●	●	0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	32	50	60	66
	●	●	0067	.021	–	–	.05	.067	.09	.11	.15	.18	.24	35	50	60	66
	●	●	01	.026	–	.05	.07	.10	.14	.16	.22	.27	.35	37	50	59	65
	●	●	015	.032	–	.08	.11	.15	.21	.24	.34	.41	.53	38	50	58	64
	●	●	02	.035	–	.10	.14	.20	.28	.32	.45	.55	.71	39	50	57	63
	●	●	025	.039	.09	.13	.18	.25	.35	.40	.56	.68	.88	40	50	57	63
	●	●	03	.043	.11	.15	.21	.30	.42	.47	.67	.82	1.1	40	50	56	62
	●	●	035	.047	.12	.18	.25	.35	.49	.55	.78	.96	1.2	40	50	56	61
	●	●	04	.050	.14	.20	.28	.40	.57	.63	.89	1.1	1.4	42	50	56	61
	●	●	05	.056	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8	44	50	56	61
	●	●	06	.061	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1	45	50	56	60
	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	45	50	56	60
	●	●	075	.068	.27	.38	.53	.75	1.1	1.2	1.7	2.1	2.7	45	50	55	60
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	45	50	55	60
	●	●	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	45	50	55	59
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	45	50	55	59
	●	●	13	.090	.46	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	45	50	55	59
●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	45	50	55	59	
●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	45	50	55	59	
●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	45	50	55	59	
●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	46	50	54	59	

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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
50°	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	46	50	54	59
	●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	46	50	54	59
	●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	46	50	54	59
40°	●	●	0017	.011	–	–	.012	.017	.024	.027	.038	.047	.06	21	40	54	61
	●	●	0025	.013	–	–	.018	.025	.035	.040	.06	.07	.09	22	40	53	60
	●	●	0033	.015	–	–	.023	.033	.047	.052	.07	.09	.12	22	40	53	60
	●	●	0050	.018	–	–	.035	.050	.07	.08	.11	.14	.18	22	40	53	60
	●	●	0067	.021	–	–	.05	.067	.09	.11	.15	.18	.24	24	40	53	60
	●	●	01	.026	–	–	.07	.10	.14	.16	.22	.27	.35	26	40	52	59
	●	●	015	.032	–	–	.11	.15	.21	.24	.34	.41	.53	27	40	52	59
	●	●	02	.035	–	.10	.14	.20	.28	.32	.45	.55	.71	29	40	51	58
	●	●	025	.039	–	.13	.18	.25	.35	.40	.56	.68	.88	29	40	51	58
	●	●	03	.043	–	.15	.21	.30	.42	.47	.67	.82	1.1	30	40	50	57
	●	●	04	.050	–	.20	.28	.40	.57	.63	.89	1.1	1.4	30	40	50	56
	●	●	05	.056	–	.25	.35	.50	.71	.79	1.1	1.4	1.8	31	40	49	55
	●	●	055	.059	–	.28	.39	.55	.78	.87	1.2	1.5	1.9	31	40	49	55
	●	●	06	.061	–	.30	.42	.60	.85	.95	1.3	1.6	2.1	31	40	49	55
	●	●	07	.066	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5	31	40	49	55
	●	●	08	.071	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	31	40	47	53
	●	●	09	.075	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	32	40	45	48
	●	●	10	.079	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	32	40	45	48
	●	●	11	.083	.39	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9	32	40	45	48
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	32	40	45	48
	●	●	13	.090	.46	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	32	40	45	48
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	32	40	45	48
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	32	40	45	48
	●	●	25	.121	.88	1.3	1.8	2.5	3.5	4.0	5.6	6.8	8.8	32	40	45	48
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	33	40	45	48
	●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	34	40	45	48
	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	35	40	45	48
	●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	35	40	45	48
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	35	40	45	48	
25°	●	●	0017	.011	–	–	–	.017	.024	.027	.038	.047	.06	–	25	35	47
	●	●	0025	.013	–	–	–	.025	.035	.040	.06	.07	.09	–	25	35	45
	●	●	0033	.015	–	–	–	.033	.047	.052	.07	.09	.12	–	25	34	44
	●	●	0050	.018	–	–	–	.050	.07	.08	.11	.14	.18	–	25	34	43
	●	●	0067	.021	–	–	–	.067	.09	.11	.15	.18	.24	–	25	34	42
	●	●	01	.026	–	–	.07	.10	.14	.16	.22	.27	.35	14	25	34	42
	●	●	015	.032	–	–	.11	.15	.21	.24	.34	.41	.53	15	25	34	41
	●	●	02	.035	–	–	.14	.20	.28	.32	.45	.55	.71	15	25	33	40
	●	●	03	.043	–	–	.21	.30	.42	.47	.67	.82	1.1	15	25	33	40
	●	●	04	.050	–	.20	.28	.40	.57	.63	.89	1.1	1.4	16	25	32	39

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 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
25°	●	●	05	.056	–	.25	.35	.50	.71	.79	1.1	1.4	1.8	16	25	32	39
	●	●	055	.059	–	.28	.39	.55	.78	.87	1.2	1.5	1.9	16	25	32	39
	●	●	06	.061	–	.30	.42	.60	.85	.95	1.3	1.6	2.1	17	25	31	38
	●	●	07	.066	–	.35	.49	.70	.99	1.1	1.6	1.9	2.5	17	25	31	38
	●	●	08	.071	–	.40	.57	.80	1.1	1.3	1.8	2.2	2.8	17	25	31	38
	●	●	09	.075	–	.45	.64	.90	1.3	1.4	2.0	2.5	3.2	17	25	31	38
	●	●	10	.079	–	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5	18	25	31	37
	●	●	13	.090	–	.65	.92	1.3	1.8	2.1	2.9	3.6	4.6	18	25	31	37
	●	●	15	.097	–	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	18	25	31	37
	●	●	20	.112	–	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	19	25	31	37
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	20	25	30	36
	●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	21	25	29	35
	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	21	25	29	35
	●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	22	25	29	35
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	22	25	29	35	
15°	●	●	0017	.011	–	–	–	.017	.024	.027	.038	.047	.06	–	15	30	37
	●	●	0025	.013	–	–	–	.025	.035	.040	.06	.07	.09	–	15	28	34
	●	●	0033	.015	–	–	–	.033	.047	.052	.07	.09	.12	–	15	27	32
	●	●	0050	.018	–	–	–	.050	.07	.08	.11	.14	.18	–	15	26	30
	●	●	0067	.021	–	–	–	.067	.09	.11	.15	.18	.24	–	15	25	29
	●	●	01	.026	–	–	–	.10	.14	.16	.22	.27	.35	–	15	24	28
	●	●	015	.032	–	–	–	.15	.21	.24	.34	.41	.53	–	15	23	27
	●	●	02	.035	–	–	.14	.20	.28	.32	.45	.55	.71	6	15	22	27
	●	●	03	.043	–	–	.21	.30	.42	.47	.67	.82	1.1	6	15	22	27
	●	●	04	.050	–	–	.28	.40	.57	.63	.89	1.1	1.4	7	15	21	26
	●	●	05	.056	–	–	.35	.50	.71	.79	1.1	1.4	1.8	7	15	21	26
	●	●	055	.059	–	–	.39	.55	.78	.87	1.2	1.5	1.9	7	15	21	26
	●	●	06	.061	–	–	.42	.60	.85	.95	1.3	1.6	2.1	8	15	21	26
	●	●	07	.066	–	–	.49	.70	.99	1.1	1.6	1.9	2.5	8	15	21	26
	●	●	08	.071	–	–	.57	.80	1.1	1.3	1.8	2.2	2.8	9	15	20	25
	●	●	09	.075	–	–	.64	.90	1.3	1.4	2.0	2.5	3.2	9	15	20	25
	●	●	10	.079	–	–	.71	1.0	1.4	1.6	2.2	2.7	3.5	10	15	19	24
	●	●	11	.083	–	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9	10	15	19	24
	●	●	12	.087	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2	10	15	19	24
	●	●	15	.097	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3	10	15	19	24
	●	●	20	.112	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1	10	15	19	23
	●	●	30	.133	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6	10	15	19	21
	●	●	40	.153	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1	10	15	18	21
	●	●	50	.172	1.8	2.5	3.5	5.0	7.1	7.9	11.2	13.7	17.7	11	15	18	21
●	●	60	.188	2.1	3.0	4.2	6.0	8.5	9.5	13.4	16.4	21	11	15	18	21	
●	●	70	.203	2.5	3.5	4.9	7.0	9.9	11.1	15.7	19.2	25	11	15	18	21	

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

Highlighted column shows the rated pressure.



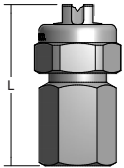
S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Spray Angle at 40 psi	UniJet Tip Type		Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	13802	TPU			5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
0°	•	•	0009	.008	.003	.003	.005	.009	.013	.014	.020	.025	.032	0 Solid Stream			
	•	•	0012	.010	.004	.006	.008	.012	.017	.019	.027	.033	.042				
	•	•	0019	.012	.007	.009	.013	.019	.027	.030	.043	.052	.067				
	•	•	0021	.013	.007	.010	.011	.023	.033	.040	.047	.052	.074				
	•	•	0033	.016	.01	.02	.023	.033	.047	.052	.07	.09	.12				
	•	•	0050	.019	.018	.025	.035	.050	.07	.08	.11	.14	.18				
	•	•	0067	.023	.024	.033	.05	.067	.09	.11	.15	.18	.24				
	•	•	01	.028	.035	.05	.07	.10	.14	.16	.22	.27	.35				
	•	•	015	.034	.05	.08	.11	.15	.21	.24	.34	.41	.53				
	•	•	02	.039	.07	.10	.14	.20	.28	.32	.45	.55	.71				
	•	•	03	.041	.11	.15	.21	.30	.42	.47	.67	.82	1.1				
	•	•	04	.047	.14	.20	.28	.40	.57	.63	.89	1.1	1.4				
	•	•	045	.052	.16	.23	.32	.45	.64	.71	1.0	1.2	1.6				
	•	•	05	.053	.18	.25	.35	.50	.71	.79	1.1	1.4	1.8				
	•	•	055	.055	.19	.28	.39	.55	.78	.87	1.2	1.5	1.9				
	•	•	06	.058	.21	.30	.42	.60	.85	.95	1.3	1.6	2.1				
	•	•	065	.060	.23	.33	.46	.65	.92	1.0	1.5	1.8	2.3				
	•	•	07	.062	.25	.35	.49	.70	.99	1.1	1.6	1.9	2.5				
	•	•	08	.067	.28	.40	.57	.80	1.1	1.3	1.8	2.2	2.8				
	•	•	09	.071	.32	.45	.64	.90	1.3	1.4	2.0	2.5	3.2				
•	•	10	.075	.35	.50	.71	1.0	1.4	1.6	2.2	2.7	3.5					
•	•	11	.079	.39	.55	.78	1.1	1.6	1.7	2.5	3.0	3.9					
•	•	12	.082	.42	.60	.85	1.2	1.7	1.9	2.7	3.3	4.2					
•	•	15	.091	.53	.75	1.1	1.5	2.1	2.4	3.4	4.1	5.3					
•	•	20	.106	.71	1.0	1.4	2.0	2.8	3.2	4.5	5.5	7.1					
•	•	30	.129	1.1	1.5	2.1	3.0	4.2	4.7	6.7	8.2	10.6					
•	•	40	.149	1.4	2.0	2.8	4.0	5.7	6.3	8.9	11.0	14.1					

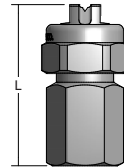
Other body types may be available. Contact your sales engineer for further information.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	T (F) + TPU TT (M) + TPU	1/4	1.610	13/16	2.3

Based on the largest/heaviest version of each type.

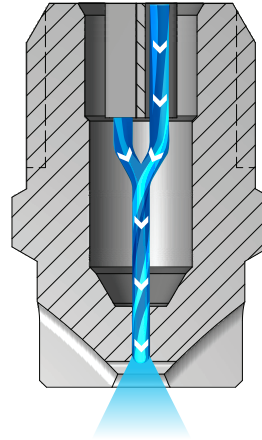
Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	T (F) + 13802 TT (M) + 13802	1/4	1.891	13/16	2.3

Based on the largest/heaviest version of each type.



OVERVIEW: WASHJET

- High-impact sprays and high pressure operation ensure optimal cleaning – ideal for pressure washing
- Long wear life – 400 series stainless steel material
- Flat spray nozzles provide an even edge fan type spray pattern
- Uniform spray distribution from .27 to 78 gpm (1.0 to 290 lpm) by using optional internal guide vane to stabilize liquid turbulence
- Spray angles from 0° (solid stream) to 65° for MEG, WEG and MEG-SSTC; 0° to 80° for IMEG
- Operating pressures from 300 to 4000 psi (20 to 275 bar)
- MEG-SSTC nozzles have tungsten carbide orifice inserts for maximum erosion resistance
- IMEG® versions are ideal for critical, demanding operations
Features:
 - Patented design that optimizes fluid dynamics by minimizing turbulence
 - Higher impact per unit area than MEG nozzles



WashJet Nozzles
As the liquid exits through the rounded U shape of the orifice, it forms into a flat spray pattern. The distribution is even at pressures above 300 psi (20 bar).

WASHJET OPTIONS

S



MEG
1/8" to 1/4" male conn.

S



WEG
1/8" to 1/4" female conn.

S



MEG-SSTC
1/4" male conn.

S



IMEG
1/8" to 1/4" male conn.

ORDERING INFORMATION

WASHJET MEG, WEG, MEG-SSTC AND IMEG WITH GUIDE VANE

Inlet Conn.	Nozzle Type	–	Spray Angle	Capacity Size	Example
					1/4 MEG – 15 04

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

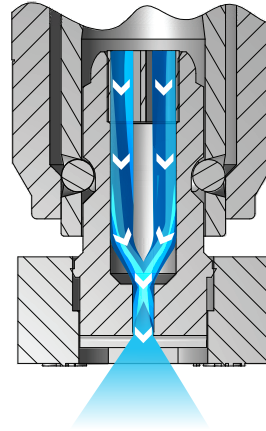
WASHJET MEG, WEG, MEG-SSTC AND IMEG WITHOUT GUIDE VANE

Inlet Conn.	Nozzle Type	–	Spray Angle	Capacity Size	Example
					1/4 SAMEG – 15 04

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

OVERVIEW: QUICK-CONNECT WASHJET

- QCMEG and QCIMEG fit in Parker® ST fitting or equivalent
- Color-coded nozzle guards for easy spray angle identification
- Locating ribs on nozzle guards for fast alignment and easy spray pattern direction
- High impact sprays and high pressure operation ensure effective cleaning
- Long wear life – 400 series stainless steel material
- Uniform spray distribution from .55 to 15 gpm (2.0 to 57 lpm) by using optional internal guide vane to stabilize liquid turbulence
- Spray angles from 0° (solid stream) to 40°
- QCIMEG versions are ideal for critical, demanding operations. Features:
 - Patented design that optimizes fluid dynamics by minimizing turbulence
 - Higher impact per unit area than QCMEG nozzles



Quick-Connect WashJet Nozzles

As the liquid exits through the rounded U shape of the orifice, it forms into a flat spray pattern. The distribution is even at pressures above 300 psi (20 bar).

QUICK-CONNECT WASHJET OPTIONS



QCMEG
1/4" quick-connect



QCIMEG
1/4" quick-connect

ORDERING INFORMATION

QUICK-CONNECT WASHJET QCMEG AND QCIMEG WITH GUIDE VANE

Nozzle Type	—	Spray Angle	Capacity Size	Example
				QCMEG — 15 05

QUICK-CONNECT WASHJET QCMEG AND QCIMEG WITHOUT GUIDE VANE

Nozzle Type	—	Spray Angle	Capacity Size	Example
				SAQCMEG — 15 05

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.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
MEG	M	1/8 to 1/4	Hardened stainless steel	C34–C35	C37
WEG	F	1/8 to 1/4		C35	
MEG-SSTC	M	1/4		C34–C35	
IMEG®	M	1/8 to 1/4		C36	
QCMEG	NA	NA		C36	
QCIMEG	NA	NA		C37	

F = female thread; M = male thread; NA = not applicable. Material is built into part number for ordering. For more dimensions and sizes, contact your sales engineer.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY



Nozzle Type and Spray Angle																	Capacity Size	Flow Rate Capacity (gallons per minute)													
1/8 MEG					1/4 MEG					1/4 MEG-SSTC								40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi					
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°											25°	40°	50°	65°	
									•					•		•			•			01	.10	.27	.35	.43	.50	.61	.71	.79	.87
									•													015	.15	.41	.53	.65	.75	.92	1.1	1.2	1.3
•	•	•	•	•			•	•	•	•	•			•	•	•		•	•	•		02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7
														•								025	.25	.68	.88	1.1	1.3	1.5	1.8	2.0	2.2
•		•	•	•	•		•	•	•	•	•	•	•	•	•		•			•	•	03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6
							•		•	•	•											035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0
•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5
•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•				045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3
•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•				055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2
•		•	•	•	•		•		•	•	•		•									065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1
•		•	•	•	•		•		•	•	•											075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5
•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9
•		•	•	•	•		•		•	•	•											085	.85	2.3	3.0	3.7	4.3	5.2	6.0	6.7	7.4
•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8
		•	•				•			•												095	.95	2.6	3.4	4.1	4.8	5.8	6.7	7.5	8.2
•		•	•	•	•	•	•		•	•	•	•	•	•	•		•	•				10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7
•			•				•		•	•	•											11	1.1	3.0	3.9	4.8	5.5	6.7	7.8	8.7	9.5
•		•	•																			115	1.2	3.1	4.1	5.0	5.8	7.0	8.1	9.1	10.0
•				•			•	•	•	•	•	•	•	•	•		•					12	1.2	3.3	4.2	5.2	6.0	7.3	8.5	9.5	10.4
•							•		•	•	•											125	1.3	3.4	4.4	5.4	6.3	7.7	8.8	9.9	10.8

*0° = Solid Stream.
Highlighted column shows the rated pressure.

S PERFORMANCE DATA: **STANDARD ANGLE SPRAY**

Nozzle Type and Spray Angle																		Capacity Size	Flow Rate Capacity (gallons per minute)												
1/8 MEG						1/4 MEG						1/4 MEG-SSTC							40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi				
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°		40°	50°	65°										
•							•		•	•	•											13	1.3	3.6	4.6	5.6	6.5	8.0	9.2	10.3	11.3
	•								•	•												14	1.4	3.8	4.9	6.1	7.0	8.6	9.9	11.1	12.1
•		•	•				•	•	•	•	•	•	•	•		•		•		•		15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0
		•					•		•													16	1.6	4.4	5.7	6.9	8.0	9.8	11.3	12.6	13.9
							•		•	•	•				•							18	1.8	4.9	6.4	7.8	9.0	11.0	12.7	14.2	15.6
•							•	•	•	•	•	•	•	•	•							20	2.0	5.5	7.1	8.7	10.0	12.2	14.1	15.8	17.3
							•	•	•	•	•											25	2.5	6.8	8.8	10.8	12.5	15.3	17.7	19.8	22
							•	•	•	•	•		•									30	3.0	8.2	10.6	13.0	15.0	18.4	21	24	26
							•		•	•	•											35	3.5	9.6	12.4	15.2	17.5	21	25	28	30
							•	•	•	•	•											40	4.0	11.0	14.1	17.3	20	24	28	32	35
							•		•	•	•											50	5.0	13.7	17.7	22	25	31	35	40	43
							•		•	•	•											60	6.0	16.4	21	26	30	37	42	47	52
							•															70	7.0	19.2	25	30	35	43	49	55	61
							•															80	8.0	22	28	35	40	49	57	63	69
							•															90	9.0	25	32	39	45	55	64	71	78

*0° = Solid Stream.

Highlighted column shows the rated pressure.

S PERFORMANCE DATA: **STANDARD ANGLE SPRAY**

Nozzle Type and Spray Angle														Capacity Size	Flow Rate Capacity (gallons per minute)																
1/8 WEG							1/4 WEG								40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi								
0°*	5°	15°	25°	40°	50°	65°	0°*	5°	15°	25°	40°	50°	65°																		
			•	•	•										03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6							
•			•	•	•	•	•			•	•	•		•	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5							
			•	•	•					•	•	•			045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9							
•			•	•	•	•	•	•		•	•	•	•	•	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3							
•			•	•	•	•	•	•		•	•				055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8							
•			•	•	•	•	•	•		•	•	•			06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2							
					•					•					065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6							
•			•	•	•	•	•	•		•	•	•		•	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1							
•			•	•	•	•	•	•		•	•	•			08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9							
•			•	•	•										085	.85	2.3	3.0	3.7	4.3	5.2	6.0	6.7	7.4							
•			•	•	•	•	•	•		•	•	•			09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8							
					•										095	.95	2.6	3.4	4.1	4.8	5.8	6.7	7.5	8.2							
•			•	•	•	•	•	•		•	•	•			10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7							
							•								15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0							
			•												16	1.6	4.4	5.7	6.9	8.0	9.8	11.3	12.6	13.9							
•															20	2.0	5.5	7.1	8.7	10.0	12.2	14.1	15.8	17.3							
							•								30	3.0	8.2	10.6	13.0	15.0	18.4	21	24	26							

*0° = Solid Stream.

Highlighted column shows the rated pressure.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Spray Angle at 40 psi								Capacity Size	Flow Rate Capacity (gallons per minute)											
		IMEG®	5°	10°	15°	25°	40°	50°	65°		80°	40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi	4000 psi
1/8, 1/4	●	●	●	●	●	●	●	●	●	●	03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	2.8	3.0
	●	●	●	●	●	●	●	●	●	●	035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0	3.3	3.5
	●	●	●	●	●	●	●	●	●	●	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	4.0
	●	●	●	●	●	●	●	●	●	●	045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	4.2	4.5
	●	●	●	●	●	●	●	●	●	●	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0
	●	●	●	●	●	●	●	●	●	●	055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	5.1	5.5
	●	●	●	●	●	●	●	●	●	●	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	5.6	6.0
	●	●	●	●	●	●	●	●	●	●	065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	6.1	6.5
	●	●	●	●	●	●	●	●	●	●	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	6.5	7.0
	●	●	●	●	●	●	●	●	●	●	075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5	7.0	7.5
	●	●	●	●	●	●	●	●	●	●	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	7.5	8.0

Highlighted column shows the rated pressure.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Nozzle Type	Spray Angle at 40 psi				Capacity Size	Flow Rate Capacity (gallons per minute)										
	QCMEG	0°* (Red)	15° (Yellow)	25° (Green)		40° (White)	40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi
●			●	●	02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7	1.9	2.0
●	●	●	●		03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	2.8	3.0
●	●	●	●	●	035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0	3.3	3.5
●	●	●	●	●	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	4.0
●	●	●	●	●	045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	4.2	4.5
●	●	●	●	●	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0
●	●	●	●	●	055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	5.1	5.5
●	●	●	●	●	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	5.6	6.0
●	●	●	●	●	065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	6.1	6.5
●	●	●	●	●	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	6.5	7.0
●	●	●	●	●	075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5	7.0	7.5
●	●	●	●	●	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	7.5	8.0
●		●	●	●	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8	8.4	9.0
●	●	●	●	●	10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7	9.4	10.0
●	●	●	●	●	12	1.2	3.3	4.2	5.2	6.0	7.3	8.5	9.5	10.4	11.2	12.0
●	●	●	●	●	15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0	14.0	15.0

*0° = Solid Stream.

Highlighted column shows the rated pressure.

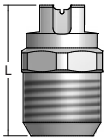
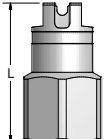
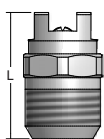


S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

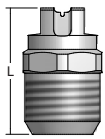
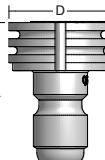
Nozzle Type	Spray Angle at 40 psi				Capacity Size	Flow Rate Capacity (gallons per minute)										
	10° (Orange)	15° (Yellow)	25° (Green)	40° (White)		40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi	4000 psi
●			●	●	02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7	1.9	2.0
●	●	●	●	●	03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6	2.8	3.0
●	●	●	●	●	035	.35	.96	1.2	1.5	1.8	2.1	2.5	2.8	3.0	3.3	3.5
●	●	●	●	●	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5	3.7	4.0
●	●	●	●	●	045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9	4.2	4.5
●	●	●	●	●	05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3	4.7	5.0
●	●	●	●	●	055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8	5.1	5.5
●	●	●	●	●	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2	5.6	6.0
●	●	●	●	●	065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6	6.1	6.5
●	●	●	●	●	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1	6.5	7.0
●	●	●	●	●	075	.75	2.1	2.7	3.2	3.8	4.6	5.3	5.9	6.5	7.0	7.5
●	●	●	●	●	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9	7.5	8.0
●		●	●	●	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8	8.4	9.0

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Flats (in.)	Net Weight (oz.)
	MEG (M)	1/8	1.000	9/16	—	0.313	0.6
		1/4	1.000	9/16	—	0.406	0.8
	WEG (F)	1/8	1.125	1/2	—	0.313	0.9
		1/4	1.125	5/8	—	0.313	0.7
	MEG-SSTC (M)	1/4	0.906	9/16	—	0.406	0.6

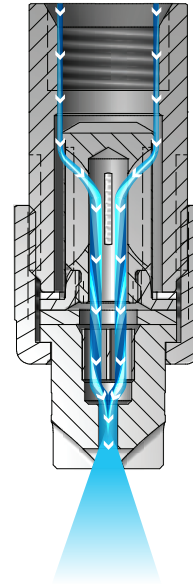
Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Flats (in.)	Net Weight (oz.)
	IMEG® (M)	1/8	0.875	1/2	—	0.313	0.6
		1/4	0.906	9/16	—	0.406	0.8
	QCIMEG/QCIMEG	—	1.219	—	0.969	—	0.8

Based on the largest/heaviest version of each type.

OVERVIEW: UNIJET HIGH PRESSURE SPRAY NOZZLE

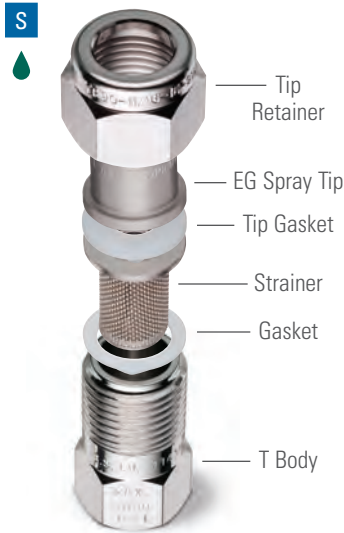
- Designed for operations requiring higher impact
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced
- Design allows easy tip change out – remove tips by unscrewing the retainer cap
- Flat spray nozzles provide an even edge fan type spray pattern
- Spray angles from 0° to 65°
- Uniform spray distribution across the entire spray pattern and flow rates from .41 to 17.3 gpm (1.5 to 64 lpm)
- Operating pressures from 300 to 3000 psi (20 to 200 bar) – higher than standard tips
- Body assembly consists of high pressure nozzle body, strainer, tip gasket and high pressure tip retainer



UniJet High Pressure Nozzles

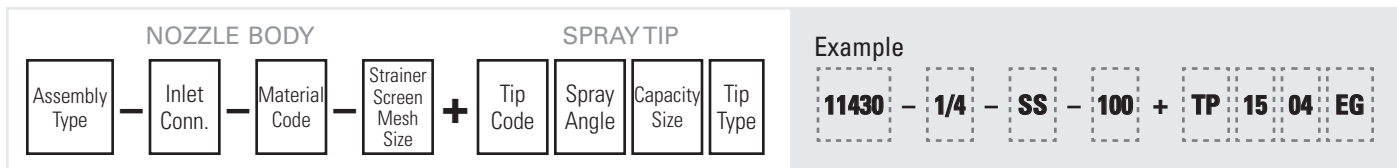
As the liquid exits through the rounded U shape of the orifice, it forms into a flat spray pattern. The distribution is even at pressures above 300 psi (20 bar).

UNIJET HIGH PRESSURE SPRAY NOZZLE



EG Spray Tip + 11430 Assembly
Use with gasket, screen strainer, tip gasket and high pressure tip retainer

**ORDERING INFORMATION
UNIJET HIGH PRESSURE**



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.

QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
11430 body assembly	F	1/4	303 stainless steel (SS)	–	C39
EG spray tip	NA	NA	Hardened stainless steel	C39	

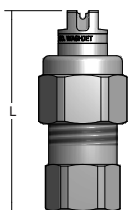
F = female thread; NA = not applicable. No material code is required for hardened stainless steel. Leave material code blank when ordering.
For more dimensions and sizes, contact your sales engineer.

S PERFORMANCE DATA: STANDARD ANGLE SPRAY

UniJet Tip Type	Spray Angle at 40 psi						Capacity Size	Flow Rate Capacity (gallons per minute)								
	0°*	15°	25°	40°	50°	65°		40 psi	300 psi	500 psi	750 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi
●	●						015	.15	.41	.53	.65	.75	.92	1.1	1.2	1.3
●	●						02	.20	.55	.71	.87	1.0	1.2	1.4	1.6	1.7
●	●	●	●				03	.30	.82	1.1	1.3	1.5	1.8	2.1	2.4	2.6
●	●	●	●	●		●	04	.40	1.1	1.4	1.7	2.0	2.4	2.8	3.2	3.5
●	●	●	●	●			045	.45	1.2	1.6	1.9	2.3	2.8	3.2	3.6	3.9
●	●	●	●	●			05	.50	1.4	1.8	2.2	2.5	3.1	3.5	4.0	4.3
●	●	●	●	●			055	.55	1.5	1.9	2.4	2.8	3.4	3.9	4.3	4.8
●	●	●	●	●	●	●	06	.60	1.6	2.1	2.6	3.0	3.7	4.2	4.7	5.2
●	●		●				065	.65	1.8	2.3	2.8	3.3	4.0	4.6	5.1	5.6
●	●	●	●	●	●	●	07	.70	1.9	2.5	3.0	3.5	4.3	4.9	5.5	6.1
●	●	●	●	●		●	08	.80	2.2	2.8	3.5	4.0	4.9	5.7	6.3	6.9
●	●	●	●	●		●	09	.90	2.5	3.2	3.9	4.5	5.5	6.4	7.1	7.8
●	●	●	●	●	●		10	1.0	2.7	3.5	4.3	5.0	6.1	7.1	7.9	8.7
●	●						11	1.1	3.0	3.9	4.8	5.5	6.7	7.8	8.7	9.5
●			●				12	1.2	3.3	4.2	5.2	6.0	7.3	8.5	9.5	10.4
●	●	●		●			13	1.3	3.6	4.6	5.6	6.5	8.0	9.2	10.3	11.3
●	●						14	1.4	3.8	4.9	6.1	7.0	8.6	9.9	11.1	12.1
●		●	●	●			15	1.5	4.1	5.3	6.5	7.5	9.2	10.6	11.9	13.0
●	●			●	●		20	2.0	5.5	7.1	8.7	10.0	12.2	14.1	15.8	17.3

*0° = Solid Stream.
Other body types may be available. Contact representative for further information.
Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

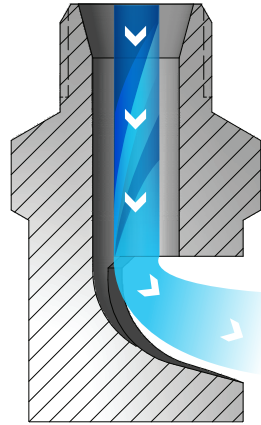
Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	Net Weight (oz.)
	11430 (F) + EG	1/4	2.218	13/16	3.5

Based on the largest/heaviest version of each type.



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

W



K

1/8" to 1" male conn.

W



TEK

1/8" to 1/4" male conn.

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**

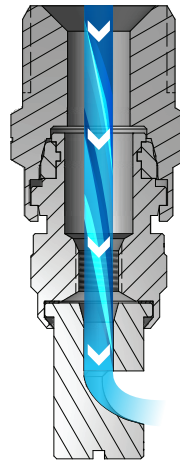
10 to 100	100 to 500	500 to 1000	1000 to 5000
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Drop size will vary based on flow rate and pressure.



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 even 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**



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.



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

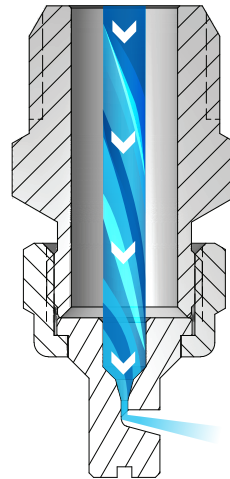
Example						
3/8	QJA	SS	+	QTKA	SS	1.5

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



OVERVIEW: UNIJET® FLOODJET

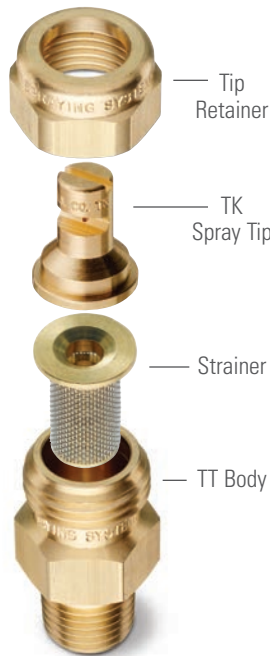
- A large choice of interchangeable spray tips, body types/ sizes, materials, spray angles, flow rates and accessories allows use of different components in a single header to match performance to different operations
- Design allows easy tip change out in place – remove tips by unscrewing the retainer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

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.



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) Brass, 303 stainless steel (SS)	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. (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.)	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
3/8, 1/2		●	20	.148	1.1	1.7	2.0	2.8	3.5	4.0	4.9	110	122	133
		●	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	–

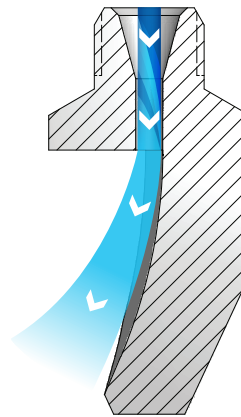
Based on the largest/heaviest version of each type.

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.

OVERVIEW: FLATJET

- Provides higher impact than other narrow angle nozzles
- Deflected type flat fan spray pattern
- Ideal for conveyor cleaning
- Spray angles from 15° to 50°
- Uniform spray distribution from .24 to 39 gpm (.91 to 144 lpm)
- Operating pressures up to 150 psi (10 bar)



FlatJet 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 combination of medium- to large-flow rates and narrow spray angles produce a high impact spray.

FLATJET OPTIONS



ORDERING INFORMATION

FLATJET P

Inlet Conn.	Nozzle Type	—	Material Code	Spray Angle	Capacity Size	Example
						3/8 P — SS 50 60

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

**RELATIVE DROP SIZE
IN MICRONS**



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
P	M	1/8 to 3/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS)	C48-C49	C48-C49

M = male thread. 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.

N PERFORMANCE DATA:
NARROW ANGLE SPRAY

Spray Angle (°) at 40 psi	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)							Spray Angle (°)			Dimensions			
		P	1/8	1/4	3/8	1/2			3/4	15 psi	20 psi	40 psi	80 psi	100 psi	150 psi	15 psi	40 psi	100 psi	A Length (in.)	B Deflection Angle (°)	C Bar Size (in. sq.)	Net Weight (oz.)
50	●		●				05	.052	.31	.35	.50	.71	.79	.97	33	50	60	1-7/32	60	5/8	1	
	●		●				10	.074	.61	.71	1.0	1.4	1.6	1.9	34	50	60	1-7/32	60	5/8	1	
	●		●	●			25	.117	1.5	1.8	2.5	3.5	4.0	4.8	42	50	59	1-5/8	42	3/4	3	
	●		●	●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	39	50	60	1-27/32	45	3/4	3	
	●			●			60	.181	3.7	4.2	6.0	8.5	9.5	11.6	42	50	53	2-5/32	37	1	5	
	●			●			100	.234	6.1	7.1	10.0	14.1	15.8	19.4	43	50	55	2-27/32	40	1-1/4	11.5	
	●			●			125	.261	7.7	8.8	12.5	17.7	19.8	24	38	50	59	2-27/32	38	1-1/4	11	
	●			●			160	.296	9.8	11.3	16.0	23	25	31	44	50	55	2-27/32	37	1-1/4	11	
	●			●			200	.331	12.2	14.1	20	28	32	39	46	50	53	2-27/32	32	1-1/4	11	
40	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	31	40	50	2-3/8	35	7/8	5	
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	31	40	49	2-1/2	33	1	7	
	●			●			60	.181	3.7	4.2	6.0	8.5	9.5	11.6	32	40	49	2-27/32	33	1	8	
	●			●			70	.196	4.3	4.9	7.0	9.9	11.1	13.6	32	40	49	2-31/32	29	1	9	
	●			●			80	.209	4.9	5.7	8.0	11.3	12.6	15.5	32	40	48	3-1/32	26	1	9	
	●			●			90	.222	5.5	6.4	9.0	12.7	14.2	17.4	34	40	44	3-1/32	28	1	8	
	●			●			100	.234	6.1	7.1	10.0	14.1	15.8	19.4	35	40	44	3-13/32	28	1	9	

Highlighted column shows the rated pressure.



N PERFORMANCE DATA:
NARROW ANGLE SPRAY

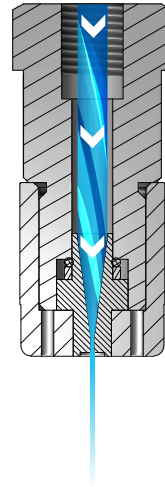
Spray Angle (°) at 40 psi	Nozzle Type	Inlet Conn. (in.)					Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)					Spray Angle (°)			Dimensions				
		P	1/8	1/4	3/8	1/2			3/4	15 psi	20 psi	40 psi	80 psi	100 psi	150 psi	15 psi	40 psi	100 psi	A Length (in.)	B Deflection Angle (°)	C Bar Size (in. sq.)
35	●	●					04	.047	.24	.28	.40	.57	.63	.77	20	35	41	29/32	40	7/16	.5
	●		●				10	.074	.61	.71	1.0	1.4	1.6	1.9	18	35	39	1-7/16	36	5/8	2
	●		●	●			20	.105	1.2	1.4	2.0	2.8	3.2	3.9	24	35	40	1-21/32	30	3/4	2
	●			●			25	.117	1.5	1.8	2.5	3.5	4.0	4.8	24	35	39	1-15/16	28	3/4	3
	●			●			30	.128	1.8	2.1	3.0	4.2	4.7	5.8	26	35	41	2-1/16	28	3/4	3
	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	28	35	38	2-9/32	26	7/8	4
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	31	35	38	2-1/2	23	7/8	5
	●				●		60	.181	3.7	4.2	6.0	8.5	9.5	11.6	29	35	39	2-7/8	27	1	8
	●				●		80	.209	4.9	5.7	8.0	11.3	12.6	15.5	26	35	40	3-3/16	24	1	9
	●				●		100	.234	6.1	7.1	10.0	14.1	15.8	19.4	26	35	40	3-1/2	19	1	9
	●					●	160	.296	9.8	11.3	16.0	23	25	31	26	35	40	4-1/2	23	1-1/4	20
	●					●	200	.331	12.2	14.1	20	28	32	39	25	35	40	4-13/16	22	1-1/4	20
25	●		●				40	.148	2.4	2.8	4.0	5.7	6.3	7.7	15	25	34	2-9/16	25	3/4	4
15	●		●				10	.074	–	.71	1.0	1.4	1.6	1.9	–	15	23	1-7/8	22	5/8	2
	●		●				20	.105	–	1.4	2.0	2.8	3.2	3.9	–	15	19	2-1/8	19	5/8	2
	●			●			30	.128	1.8	2.1	3.0	4.2	4.7	5.8	6	15	24	2-27/32	25	3/4	4
	●			●			40	.148	2.4	2.8	4.0	5.7	6.3	7.7	8	15	21	3-5/8	18	7/8	8
	●			●			50	.165	3.1	3.5	5.0	7.1	7.9	9.7	9	15	20	3-9/16	15	7/8	6
	●				●		60	.181	3.7	4.2	6.0	8.5	9.5	11.6	10	15	19	4-15/16	14	1	12
	●				●		80	.209	4.9	5.7	8.0	11.3	12.6	15.5	11	15	18	5-1/8	14	1	12
	●				●		100	.234	6.1	7.1	10.0	14.1	15.8	19.4	11	15	18	5-5/32	14	1	14
	●					●	200	.331	12.2	14.1	20	28	32	39	12	15	18	6-1/2	14	1-1/4	26

Highlighted column shows the rated pressure.



OVERVIEW: ULTRA-HIGH PRESSURE FS AND VS

- Ultra-high pressure, high impact flat spray or solid stream
- Operating pressures are up to 10 times higher than other high pressure nozzles – up to 60,000 psi (4000 bar)
- Traditional and quick-connect options;
 - Save on nozzle replacement costs – nozzle bodies can be reused – only spray tips are replaced
- Long wear life – nozzles are hardened stainless steel. Spray tips are available with extra hard sapphire inserts for maximum wear resistance
- Spray angles from 0° to 45°
- Uniform spray distribution from 0.03 to 78 gpm (0.11 to 295 lpm)
- Nozzle bodies include O-ring, gasket (58833 only) and tip retainer



Ultra-High Pressure Nozzles

As liquid passes through the engineered orifice, a very high impact spray pattern is produced in either zero degree (solid stream) or flat spray pattern.

FS AND VS OPTIONS



VS010 Spray Tip + 58834 Body
Operating pressure up to 20,000 psi (1400 bar)



VS625
1/4" male conn.
Operating pressure up to 17,500 psi (1200 bar)



*Customer supplies holder



**RELATIVE DROP SIZE
IN MICRONS**

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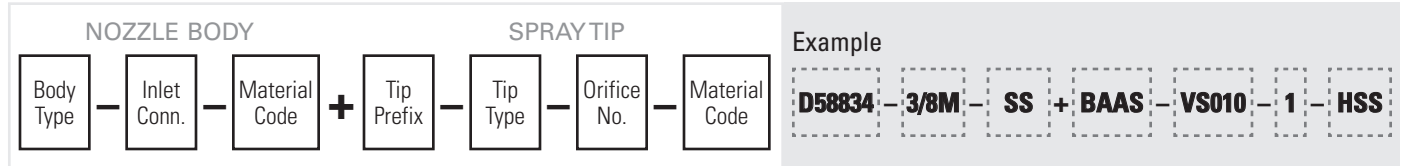
Drop size will vary based on flow rate and pressure.

ORDERING INFORMATION

ULTRA-HIGH PRESSURE VS625 AND VS940

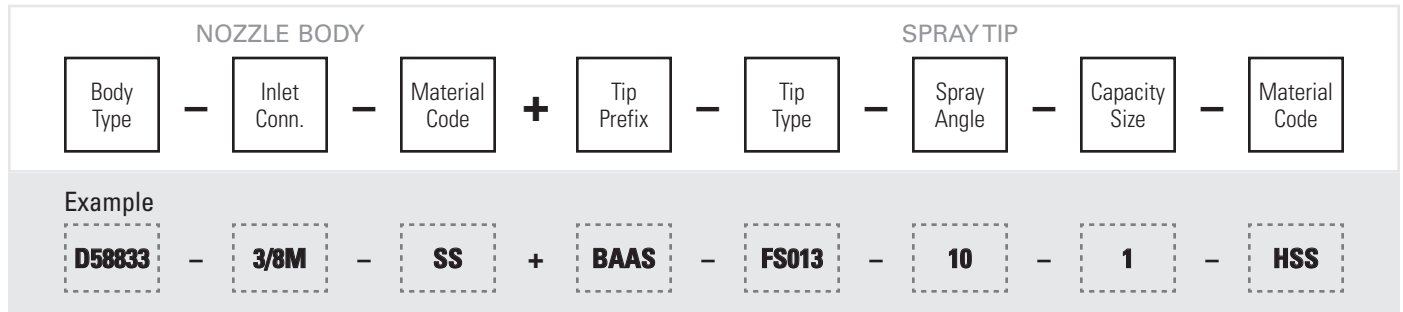


ULTRA-HIGH PRESSURE D58834 BODY WITH VS010 OR VS020 SPRAY TIP*



*Note: VS051 is available as a spray tip only.

ULTRA-HIGH PRESSURE D58833 BODY WITH FS013 OR FS020 SPRAY TIP



QUICK REFERENCE GUIDE

Model	Connection	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
VS625 nozzle	M	1/4	Stainless steel with sapphire insert (SSAP)	C52	C54
VS940 nozzle	M	1/16		C52	
VS010 spray tip	NA	NA	Hardened stainless steel (HSS)	C52	
VS020 spray tip	NA	NA	Stainless steel with sapphire insert (SSAP)	C53	
VS051 spray tip	NA	NA		C53	
FS013 spray tip	NA	NA	Hardened stainless steel (HSS)	C53	
FS020 spray tip	NA	NA		C53	
58833 body	M, F	3/8 to 1/2	Stainless steel (SS)	-	
58834 body	M, F	3/8 to 1/2		-	

F = female thread; M = male thread; NA = not applicable.
For more dimensions and sizes, contact your sales engineer.



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Nozzle Type	Inlet Conn. (in.)	Spray Angle	Orifice No.	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)			
					1500 psi	7500 psi	10000 psi	17500 psi
VS625	1/4	0°	0.25	0.010	0.09	0.20	0.23	0.31
			0.5	0.020	0.36	0.79	0.93	1.2
			0.75	0.030	0.81	1.8	2.1	2.7
			1	0.039	1.4	3.2	3.7	4.9
			1.5	0.059	3.2	7.1	8.4	11.0
			2	0.079	5.8	12.7	15.0	19.6
			2.5	0.098	9.0	19.7	23	31

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Nozzle Type	Inlet Conn. (in.)	Spray Angle	Orifice No.	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)		
					7500 psi	10000 psi	15000 psi
VS940	1/16	0°	0.5	0.020	0.8	0.9	1.1
			0.75	0.030	1.8	2.1	2.6
			1	0.039	3.2	3.7	4.5
			1.5	0.059	7.3	8.3	10.2
			2	0.079	12.9	14.8	18.2
			2.5	0.098	20	23	28

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Tip Type	Spray Angle	Orifice No.	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)						
				1500 psi	3500 psi	7500 psi	10000 psi	15000 psi	17500 psi	20000 psi
VS010	0°	1	0.039	1.7	2.6	3.9	4.4	5.4	5.8	6.2
		1.5	0.059	4.0	5.9	8.9	10.2	12.4	13.4	14.3
		2	0.079	6.8	10.1	15.2	17.5	21	23	25
		2.5	0.098	11.0	16.3	25	28	34	37	40
		3	0.118	16.6	25	37	43	52	56	60
		3.5	0.138	21	33	48	52	68	73	78



S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Tip Type	Spray Angle	Orifice No.	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)				
				7500 psi	10000 psi	15000 psi	20000 psi	30000 psi
VS020	0°	0.5	0.020	0.8	0.9	1.1	1.3	1.6
•		0.75	0.030	1.8	2.1	2.6	3.0	3.6
•		1	0.039	3.2	3.7	4.5	5.3	6.4
•		1.5	0.059	7.3	8.3	10.2	11.9	14.4
•		2	0.079	12.9	14.8	18.2	21	26
•		2.5	0.098	20	23	28	33	40

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Tip Type	Spray Angle	Orifice No.	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)			
				15000 psi	30000 psi	40000 psi	60000 psi
VS051	0°	0.1	0.004	0.03	0.05	0.06	0.07
•		0.25	0.010	0.21	0.30	0.34	0.42
•		0.5	0.020	0.84	1.2	1.4	1.7
•		0.75	0.030	1.9	2.7	3.1	3.8
•		1	0.039	3.4	4.7	5.5	6.7

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

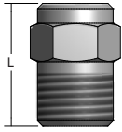
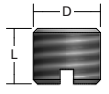
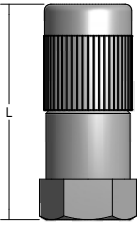
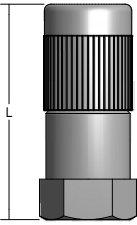
Tip Type	Spray Angle at 300 psi			Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)				
	10°	20°	45°			1500 psi	7500 psi	10000 psi	15000 psi	30000 psi
FS013	•	•	–	0.54	0.013	0.15	0.33	0.38	0.46	0.65
•	•	•	–	1	0.018	0.27	0.61	0.70	0.85	1.2
•	•	•	–	1.5	0.022	0.41	0.91	1.0	1.3	1.8
•	•	•	•	2	0.026	0.54	1.2	1.4	1.7	2.4
•	•	•	•	3	0.031	0.81	1.8	2.1	2.6	3.6

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

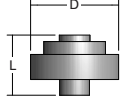
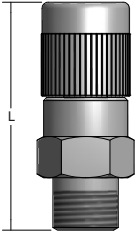
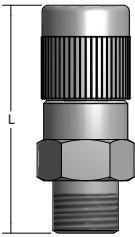
Tip Type	Spray Angle at 300 psi			Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)				
	10°	20°	45°			1500 psi	7500 psi	10000 psi	15000 psi	30000 psi
FS020	•	•	•	4.5	0.039	1.2	2.7	3.1	3.8	5.4
•	•	•	•	11	0.059	2.9	6.6	7.7	9.3	13.2
•	•	•	•	19	0.079	5.1	11.4	13.2	16.1	23
•	•	•	•	28	0.098	7.5	16.8	19.5	24	34
•	•	•	•	40	0.118	10.7	24	28	34	48



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	D (Dia.) (in.)	Net Weight (oz.)
	VS625	1/4 (M)	0.87	9/16	—	0.7
	VS940	1/16 (M)	0.26	—	0.31	0.06
	58833 (M) + FS013	3/8	2.75	1-1/16	—	9.7
	58833 (F) + FS013	3/8	2.75	1-1/16	—	9.7
	58833 (M) + FS013	1/2	2.75	1-1/16	—	9.7
	58833 (F) + FS013	1/2	2.75	1-1/16	—	9.7
	58833 (M) + FS020	3/8	2.75	1-1/16	—	9.8
	58833 (F) + FS020	3/8	2.75	1-1/16	—	9.8
	58833 (M) + FS020	1/2	2.75	1-1/16	—	9.8
	58833 (F) + FS020	1/2	2.75	1-1/16	—	9.8

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.)
	VS051 spray tip	—	0.23	—	0.37	0.06
	58834 (M) + VS010	3/8	2.87	1-1/16	—	9.7
	58834 (F) + VS010	3/8	2.87	1-1/16	—	9.7
	58834 (M) + VS010	1/2	2.87	1-1/16	—	9.7
	58834 (F) + VS010	1/2	2.87	1-1/16	—	9.7
	58834 (M) + VS020	3/8	2.87	1-1/16	—	9.7
	58834 (F) + VS020	3/8	2.87	1-1/16	—	9.7
	58834 (M) + VS020	1/2	2.87	1-1/16	—	9.7
	58834 (F) + VS020	1/2	2.87	1-1/16	—	9.7

Based on the largest/heaviest version of each type.