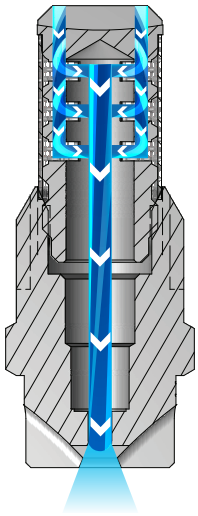
OVERVIEW: VEEJET H AND U

- 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

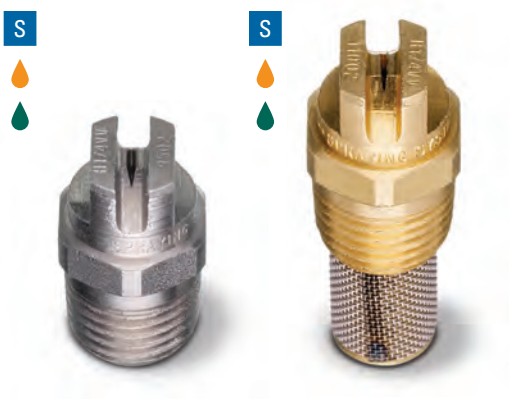


VeeJet H and U Nozzles
As the liquid exits through the sharp V shape cut of the orifice, it forms into a flat spray pattern. The distribution is tapered from the center of the spray.

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

H-DT
1/8" to 1/4" female conn.
Flow rates below 1 gpm at 40 psi
(3.8 lpm at 2.8 bar)

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)

U
1" to 2" male conn.
Flow rates of 40 gpm and greater at 40 psi
(151 lpm and greater at 2.8 bar)

RELATIVE DROP SIZE
IN MICRONS

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

Drop size will vary based on flow rate and pressure.

ORDERING INFORMATION

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

Nozzle Prefix	Inlet Conn.	Nozzle Type	–	Material Code	Spray Angle	Capacity Size

Example

H	1/4	VV	–	SS	110	10

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

VEEJET U

Inlet Conn.	Nozzle Type	–	Material Code	Spray Angle	Capacity Size

Example

1	U	–	SS	50	500

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.

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															
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	16	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
								●			580	.569	21	29	41	58	82	92	130	159	205	61	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
								●			500	.528	17.7	25	35	50	71	79	112	137	177	38	40	41	45
25°	●	●				●	●				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	0 Solid Stream			
	●	●				●	●				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				

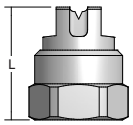
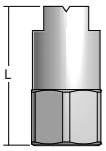
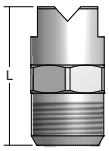
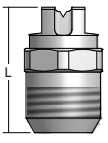
Highlighted column shows the rated pressure.

S PERFORMANCE DATA: STANDARD ANGLE SPRAY

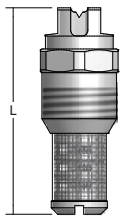
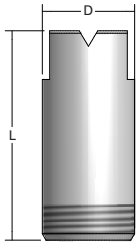
Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)										Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)									Spray Angle (°)			
	H-U					H-DU		U					5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi
	1/8	1/4	3/8	1/2	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.