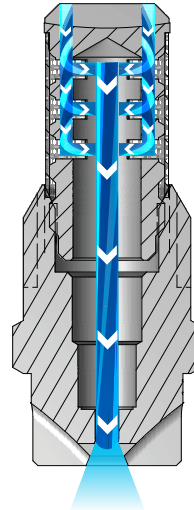


**OVERVIEW: VEEJET H AND U**

- 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><b>S</b></p>  <p><b>H-DT</b> 1/8" to 1/4" female conn. Flow rates below 1 gpm at 40 psi (3.8 lpm at 2.8 bar)</p>	<p><b>S</b></p>  <p><b>H-DU</b> 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><b>S</b></p>  <p><b>U</b> 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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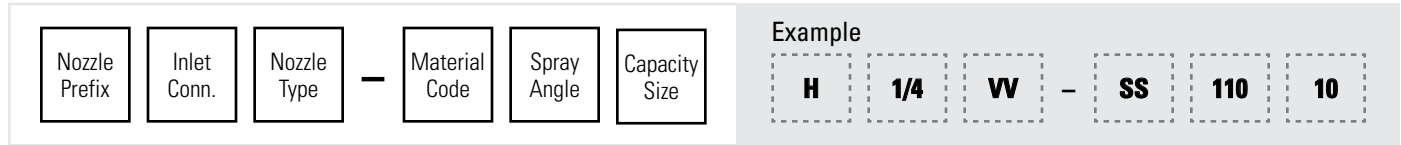
**RELATIVE DROP SIZE  
IN MICRONS**

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
<b>H-DT</b>	F	1/8 to 1/4	Brass, 303 stainless steel (SS)	C6–C8	C13
<b>H-DU</b>	F	1/8 to 1/4	Brass, 303 stainless steel (SS), Polyvinyl chloride (PVC)	C9–C13	
<b>H-U</b>	M	1/8 to 3/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS), Polyvinyl chloride (PVC)	C9–C13	
<b>H-VV</b>	M	1/8 to 1/4	Brass, Mild steel (I), 303 stainless steel (SS), 316 stainless steel (316SS)	C6–C8	
<b>H-VVL</b>	M	1/8 to 1/4	Brass, 303 stainless steel (SS), 316 stainless steel (316SS)	C6–C8	
<b>U</b>	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
•		•	•	•			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.

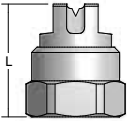
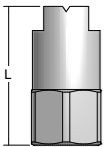
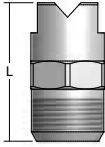
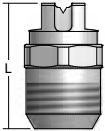


**S** PERFORMANCE DATA:  
**STANDARD ANGLE SPRAY**

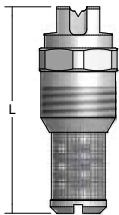
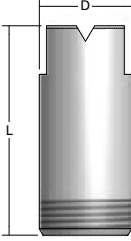
Spray Angle at 40 psi	Nozzle Type/ Inlet Conn. (in.)											Capacity Size	Equiv. Orifice Dia. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)			
	H-U					H-DU		U						5 psi	10 psi	20 psi	40 psi	80 psi	100 psi	200 psi	300 psi	500 psi	20 psi	40 psi	80 psi	200 psi	
	1/8	1/4	3/8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

