VeeJet® Spray Nozzles • Standard Spray
Small Capacity

H-VV

1/8"-1/4" NPT or BSPT (M)

H-VVL

Integral strainer
1/8"-1/4" NPT or BSPT (M)

H-DT

1/8"-1/4" NPT or BSPT (F)

H-U

1/8"-1/2" NPT or BSPT (M)

H-DU

1/8"-1/4" NPT or BSPT (F)

DESIGN FEATURES

Standard VeeJet spray nozzles feature a high impact solid stream or flat spray pattern with spray angles of 0° to 110° at 40 psi (3 bar). They produce a uniform distribution of small- to medium-sized drops. Specially tapered spray pattern edges provide even spray coverage when several nozzles with overlapping patterns are required.

- **Model H-VV, H-VVL,** and **H-DT** VeeJet nozzles feature flow rates below 1 gpm at 40 psi (3.9 l/min at 3 bar).
- **Model H-VVL** nozzle comes with a built-in strainer.
- **Model H-U** and **H-DU** VeeJet spray nozzles feature flow rates of 1 gpm (3.9 l/min) and greater at 40 psi (3 bar).

ACCESSORIES

- Split-eyelet Connector
- Pressure Gauges
- Adjustable Ball Fittings
- Pressure Relief Valves
- Strainers
- Control Valves
- Check Valves
- Swivel Connectors

See Section L for more info.

COMMON APPLICATIONS

- Cooling and quenching
- Product washing
- Water cooling
- Air and gas washers
- Scrubbers
- Liquor washers
- Dust control
- Fire protection

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
110°	●	●	●	●									01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	94°	110°	121°	124°
	●	●	●	●									015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	29	97°	110°	121°	124°
	●	●	●	●						●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°
	●	●	●	●						●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°
	●	●	●	●						●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°
	●	●	●	●						●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°
	●	●	●	●					●	●			10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	119°
	●	●	●	●						●			15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°
						●							20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°
95°	●		●						●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	81°	95°	105°	113°
	●	●	●	●									01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	81°	95°	105°	113°
	●		●	●									015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	82°	95°	105°	113°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105°	113°
	●	●	●	●						●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104°	111°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103°	108°
	●	●	●	●					●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	102°	107°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	101°	106°
	●								●				065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	86°	95°	101°	106°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100°	105°
					●	●		●			●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100°	105°
					●	●		●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°
					●	●	●					●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°
					●	●		●			●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	101°	105°
						●	●	●				●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°
						●		●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°
						●		●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	93°	95°	99°	103°
								●					80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	93°	95°	99°	102°
								●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	93°	95°	99°	102°
								●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	93°	95°	99°	102°
80°	●	●	●	●									0050	.46	—	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67	61°	80°	95°	101°
	●	●	●	●									0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	67°	80°	94°	99°

VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
80°	●	●	●	●					●	●			01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	68°	80°	89°	92°
		●	●	●	●					●			015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	68°	80°	89°	92°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°
	●	●	●	●					●	●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°
	●	●	●	●					●	●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°
	●								●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	72°	80°	85°	88°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°
		●		●					●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	73°	80°	84°	87°
					●	●	●	●			●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°
					●	●		●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	74°	80°	83°	86°
					●	●	●	●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°
					●	●	●	●			●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°
					●	●	●	●			●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°
						●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	85°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	85°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	75°	80°	83°	86°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	75°	80°	83°	86°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	73°	80°	84°	86°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	74°	80°	82°	85°
73°	●	●	●	●					●				0077	.58	—	.18	.25	.30	.35	.39	.43	.46	.55	.78	1.0	53°	73°	86°	92°
	●	●	●	●									0154	.81	.19	.35	.50	.61	.70	.78	.86	.93	1.1	1.6	2.1	55°	73°	84°	88°
		●		●									0231	.97	.29	.53	.74	.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	56°	73°	83°	87°
	●	●	●	●									0308	1.2	.38	.70	.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	58°	73°	82°	86°
		●		●									0462	1.4	.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°
	●		●										0770	1.8	.96	1.8	2.5	3.0	3.5	3.9	4.3	4.6	5.5	7.8	10.4	64°	73°	77°	82°
65°	●		●										0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	44°	65°	77°	86°
	●		●										0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	47°	65°	76°	83°
	●	●	●	●					●				0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	50°	65°	75°	81°
	●	●	●	●					●	●			01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	51°	65°	74°	80°
	●	●	●	●									015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	51°	65°	74°	80°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	52°	65°	73°	79°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
	●		●										025	.99	.31	.57	.81	.99	1.1	1.3	1.4	1.5	1.8	2.5	3.4	52°	65°	73°	79°
	●	●	●	●					●	●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	53°	65°	72°	78°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	53°	65°	72°	76°
	●	●	●	●					●	●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	53°	65°	72°	76°
		●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	53°	65°	72°	76°
	●	●		●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	54°	65°	72°	75°
		●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	54°	65°	71°	75°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	55°	65°	71°	74°
	●								●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	55°	65°	71°	74°
					●	●	●				●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	56°	65°	71°	74°
					●	●							12	2.1	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	56°	65°	71°	73°
65°					●	●	●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	56°	65°	70°	73°
					●	●		●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	57°	65°	70°	73°
					●								25	3.1	3.1	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	25	34	57°	65°	69°	73°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	58°	65°	69°	72°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	59°	65°	68°	72°
					●	●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	60°	65°	68°	71°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	60°	65°	68°	71°
						●	●	●			●	●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	60°	65°	68°	71°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	58°	65°	69°	70°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	59°	65°	68°	70°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	60°	65°	67°	69°
	●	●	●	●									01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	37°	50°	59°	65°
	●	●	●	●							●		02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
	●	●	●	●						●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
	●	●	●	●						●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
50°	●	●	●	●						●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
	●									●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	44°	50°	56°	61°
	●	●	●	●						●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
	●	●								●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	45°	50°	56°	60°
	●	●	●	●						●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°

VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
50°		●			●	●	●		●	●	●	●	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	45°	50°	55°	59°
						●	●	●			●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°
							●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
					●	●	●	●				●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
					●	●	●	●				●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
					●	●	●					●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
						●	●					●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
						●	●	●				●	70	5.1	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°
						●	●						80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	45°	50°	53°	58°
							●						85	5.7	10.6	19.4	27	34	39	43	47	51	61	87	115	45°	50°	53°	57°
					●								90	5.8	11.2	21	29	36	41	46	50	54	65	92	121	45°	50°	53°	56°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	44°	50°	52°	54°
							●						110	6.5	13.7	25	35	43	50	56	61	66	79	112	148	45°	50°	53°	54°
							●						120	6.7	15.0	27	39	47	55	61	67	72	86	122	162	44°	50°	53°	55°
							●						135	7.2	16.9	31	44	53	62	69	75	81	97	138	182	45°	50°	52°	55°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	45°	50°	52°	55°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	46°	50°	52°	55°
								●					250	9.7	31	57	81	99	114	127	140	151	180	255	335	46°	50°	52°	55°
40°	●	●	●	●					●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	26°	40°	52°	59°
	●	●	●	●					●				015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	27°	40°	52°	59°
	●	●	●	●					●	●			02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°
	●	●	●	●					●	●			03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°
	●	●	●	●					●	●			04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	56°
	●	●	●	●					●	●			05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	31°	40°	49°	55°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	31°	40°	48°	54°
	●	●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	31°	40°	48°	54°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
40°	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°
	●												085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	32°	40°	46°	50°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	32°	40°	46°	50°
					●	●	●				●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	32°	40°	45°	48°
					●	●	●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
					●	●	●	●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
						●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
						●							80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	35°	40°	44°	47°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	34°	40°	43°	46°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	35°	40°	43°	44°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	36°	40°	42°	44°
25°	●	●	●	●					●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	14°	25°	34°	42°
	●	●	●	●					●	●			02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°
	●	●	●	●					●	●			03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°
	●	●	●	●					●	●			04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°
				●					●	●			045	1.3	.60	1.0	1.5	1.8	2.1	2.3	2.5	2.7	3.2	4.6	6.1	16°	25°	32°	39°
	●	●	●	●					●	●			05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	16°	25°	31°	38°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	17°	25°	31°	38°
	●	●	●						●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	17°	25°	31°	38°
	●	●											075	1.7	.90	1.7	2.4	3.0	3.4	3.8	4.2	4.5	5.4	7.6	10.1	17°	25°	31°	38°
	●	●	●	●					●	●			08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°
	●												085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	18°	25°	31°	37°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	18°	25°	31°	37°
					●	●					●	●	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°
					●	●	●		●		●	●	15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°
					●	●	●				●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
						●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
						●	●					●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	21°	25°	29°	35°

VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
25°						●	●					●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	23°	25°	28°	32°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	24°	25°	28°	30°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	24°	25°	26°	29°
15°	●	●		●	●								01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	—	15°	24°	28°
	●		●						●	●			02	.89	—	—	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°
	●	●	●	●					●	●			03	1.1	—	—	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°
	●	●	●	●					●	●			04	1.3	—	—	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°
	●	●	●	●					●	●			05	1.4	—	—	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	7°	15°	21°	26°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	8°	15°	20°	25°
		●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	8°	15°	20°	25°
	●	●	●	●					●	●			08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	9°	15°	20°	25°
	●	●							●	●			085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	9°	15°	19°	24°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	9°	15°	19°	24°
					●	●					●	●	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°
					●	●	●				●	●	15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°
					●	●	●				●	●	20	2.8	—	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°
					●	●	●				●	●	30	3.4	—	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°
					●	●	●				●	●	40	3.9	—	9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°
						●	●	●				●	50	4.4	—	11.4	16.1	19.7	23	25	28	30	36	51	68	11°	15°	18°	21°
						●	●					●	60	4.8	—	13.7	19.3	24	27	31	33	36	43	61	81	11°	15°	18°	21°
						●	●	●				●	70	5.2	—	16.0	23	28	32	36	39	42	50	71	94	11°	15°	18°	21°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	13°	15°	17°	18°
							●						120	6.7	15.0	27	39	47	55	61	67	72	86	122	162	13°	15°	17°	18°
								●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	14°	15°	17°	18°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	14°	15°	17°	18°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity – Solid Stream

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
					●	●						●	03	1.0	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0				
					●	●					●	●	04	1.2	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4				
					●	●					●	●	05	1.3	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7				
					●	●					●	●	055	1.4	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4				
					●	●					●	●	06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1				
					●	●					●	●	065	1.5	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8				
						●					●	●	07	1.6	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4				
					●	●					●	●	08	1.7	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8				
					●								085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5				
					●	●					●	●	09	1.8	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1				
					●	●					●	●	10	1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5				
						●						●	12	2.1	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2				
					●	●					●	●	15	2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20				
00°					●	●	●				●	●	20	2.7	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	00° Solid Stream			
					●	●					●	●	30	3.3	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40				
					●	●					●	●	40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54				
						●						●	50	4.2	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68				
						●						●	60	4.6	7.5	13.7	19.3	24	27	31	33	36	43	61	81				
						●	●					●	70	5.0	8.7	16.0	23	28	32	36	39	42	50	71	94				
						●	●						80	5.3	10.0	18.2	26	32	36	41	45	48	58	82	108				
							●						100	6.0	12.5	23	32	39	46	51	56	60	72	102	135				
							●						120	6.8	15.0	27	39	47	55	61	67	72	86	122	162				
						●		●					150	7.3	18.7	34	48	59	68	76	84	90	108	153	205				
								●					165	7.7	21	38	53	65	75	84	92	99	119	168	220				
								●					200	8.5	25	46	64	79	91	102	112	121	144	205	270				
							●	●					250	9.5	31	57	81	99	114	127	140	151	180	255	340				

VeeJet® Spray Nozzles • Standard Spray
Small Capacity

DIMENSIONS & WEIGHTS

	Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Hex. (mm)	Length (mm)	Net Weight (kg)
H-VV H-VVL	H-VV (M)	1/8	12.7	22	.014
		1/4	14.3	23	.02
	H-VVL (M)	1/8	12.7	36	.02
		1/4	14.3	38	.03
H-U H-DT	H-U (M)	1/8	12.7	22	.014
		1/4	14.3	25	.02
		3/8	17.5	32	.04
		1/2	22.2	38	.06
H-DU	H-DT (F)	1/8	27	51	.14
		1/4	33	63.5	.26
	H-DU (F)	1/8	43	95.5	.57
		1/4	60	127	1.93

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

H	1/4	VV	–	SS	110	10
Nozzle Prefix	Inlet Conn.	Nozzle Type		Material Code	Spray Angle	Capacity Size

MATERIALS

Material	Material Code	Nozzle Type				
		H-VV	H-VVL	H-U	H-DT	H-DU
Brass	(none)	●	●	●	●	●
Mild Steel	I	●		●		
303 Stainless Steel	SS	●	●	●	●	●
316 Stainless Steel	316SS	●	●	●		
Polyvinyl Chloride	PVC			●		●

Other materials available upon request.

STRAINER

VeeJet nozzle strainer

DESIGN FEATURES

VeeJet nozzle strainers are available with either brass or 303 stainless steel bodies and come with 304 stainless steel screens. These strainers will fit in any H1/8VV or H1/4VV VeeJet nozzle. They provide an effective means of straining out particles that are too large to pass through the nozzle orifice.

ORDERING INFO

For Nozzle Series	Strainer Order No.
H1/8VV–	12686-*-**
H1/4VV–	12687-*-**

* Material Code (no material code = Brass; SS = 303 Stainless Steel)
** Screen Mesh

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50