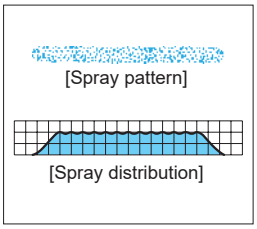
Even Flat Spray Nozzles VE/VEP



[Features]
- Flat spray pattern with uniform distribution throughout pattern area.
- Even spray impact across the entire spray area.

[Standard Pressure]
0.3 MPa

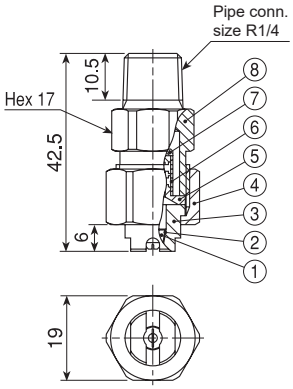
[Applications]
Cleaning: Automotives, containers, films, felts, filters, screens, bottles, crushed stones, earth and sand, metal parts, machines, steel plates, steel pieces, wires
Spraying: Etchants, oils, lubricants, liquids, solutions, insecticides, herbicides
Cooling: Gas, smokes, heat exchangers, tanks, steels, roofs
Water screen: Fire protection, heat protection, dust suppression, deodorization

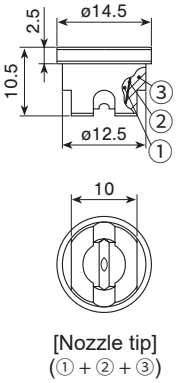
VE series (three-piece structure)

	VE series (with ceramic orifice inserted)
Structure	• Three-piece structure with ceramic orifice inserted. • Comprises three parts: Nozzle tip, cap, and adaptor. Worn-out nozzle tip can be replaced separately. • Small spray capacity models come with or without a removable strainer.
Material	• Nozzle orifice: ceramic • Tip retainer: S303 • Cap, Adaptor, and Strainer: S303 • Optional material: S316 or others
Mass	• Complete assemblies*1 S303: 49 g • Nozzle tip S303: 6.5 g

*1) When with a strainer, add 2–5 g to the above mass and 2 mm to the total length.

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.





[Nozzle tip]
(① + ② + ③)

Ⓐ **Nozzle** (①Ceramic orifice ②Adhesive: Araldite® ③Tip retainer ④Cap ⑧Adaptor)
Ⓑ **Strainer** (⑤Strainer holder ⑥Strainer screen [S316] ⑦Strainer cap)

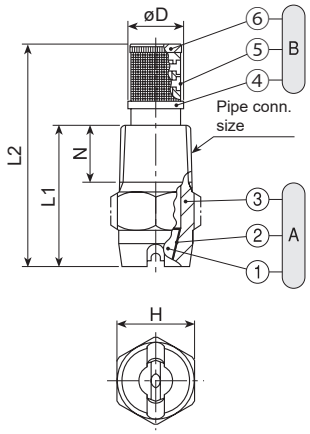
VEP series (one-piece structure)

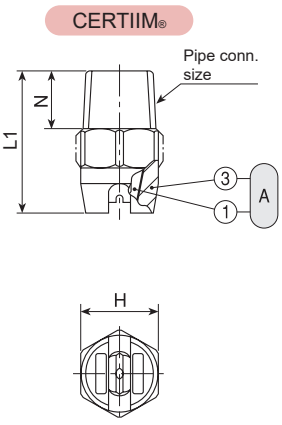
	VEP series (with ceramic orifice inserted)
Structure	• Ceramic orifice is inserted and adhered into a metal or plastic body. • Small spray capacity models of metal VEP come with or without a strainer. • CERTIIM® is a plastic spray nozzle with a one-shot injection molded ceramic orifice.
Material	• Nozzle orifice: ceramic • Metal parts: S303 or B (brass) • CERTIIM®'s plastic body: PVDF • Optional material: S316 or others

Pipe conn. size	Dimensions (mm)					Mass*1(g)		
	L1	L2	H	øD	N	S303	B	CER-TIIM®
R1/8	16.5	30	12	7.5	6.5	8	9	—
R1/4	26	40	14	10	10.5	20	22	—
R3/8	30	—	19	—	11	33	—	—
R1/2	38	—	23	—	14	57	—	—
CER-TIIM® R1/8	22	—	12	—	8.5	—	—	2.1
CER-TIIM® R1/4	26	—	14	—	10.5	—	—	6

*1) When with a strainer, add 2–5 g to the above mass.

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.





Ⓐ **Nozzle** (①Ceramic orifice ②Adhesive: Araldite® ③Nozzle Body)
Ⓑ **Strainer** (④Strainer holder ⑤Strainer screen [S316] ⑥Strainer cap)

Spray angle code	Spray capacity code	Pipe connection size: VE Metal R1/4	VE CER-TIIM® R1/4	VEP Metal R1/8	VEP Metal R1/4	VEP Metal R3/8	VEP Metal R1/2	VEP CER-TIIM® R1/8	VEP CER-TIIM® R1/4	Spray angle (°) 0.15 MPa	0.3 MPa	0.7 MPa	Spray capacity (ℓ/min) 0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	2 MPa	3 MPa	5 MPa	Mean drop. dia. (μm)	Free pass. dia. (mm)	Strainer mesh size
115	19	●	○		●				○	104	115	122	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	240	0.5	100
	23	●	○		●				○	105	115	122	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39		0.6	100
	31	●	○		●				○	105	115	122	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		0.6	100
	36	●	○		●				○	105	115	122	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		0.7	50
	39	●	○		●				○	105	115	122	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9	≀	0.7	50
	59	●	○		●				○	105	115	122	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		0.9	50
	78	○	○		○				○	106	115	121	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		1.0	—
	117	○	○		○				○	106	115	120	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		1.2	—
	157	○	○		○				○	106	115	120	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		1.4	—
	196					○				108	115	120	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	450	1.6	—
	235					○				108	115	118	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	1.7	—
	274					○				108	115	118	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		1.9	—
	314						○			108	115	118	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	510	2.0	—
	392						○			108	115	118	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	2.2	—
	469						○			108	115	118	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	640	2.4	—
90	03	●	○	●	●			○	○	78	90	101	—	0.17	0.21	0.24	0.30	0.39	0.46	0.55	0.77	0.95	1.22	140	0.2	200
	04	●	○	●	●			○	○	79	90	101	—	0.23	0.28	0.33	0.40	0.52	0.61	0.73	1.03	1.26	1.63		0.2	200
	05	●	○	●	●			○	○	79	90	101	—	0.29	0.35	0.41	0.50	0.65	0.76	0.91	1.29	1.58	2.04		0.3	150
	07	●	○	●	●			○	○	80	90	101	—	0.40	0.49	0.57	0.70	0.90	1.07	1.28	1.81	2.21	2.86	≀	0.3	150
	10	●	○	●	●			○	○	80	90	100	0.41	0.58	0.71	0.82	1.00	1.29	1.53	1.83	2.58	3.16	4.08		0.4	150
	15	●	○	●	●			○	○	82	90	100	0.61	0.87	1.06	1.23	1.50	1.94	2.29	2.74	3.87	4.74	6.12		0.4	150
	19	●	○		●				○	82	90	98	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	250	0.7	50
	23	●	○		●				○	82	90	98	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39		0.7	50
	31	●	○		●				○	83	90	97	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		0.9	50
	36	○	○		○				○	83	90	97	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		1.0	—
	39	○	○		○				○	83	90	97	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9	≀	1.0	—
	59	○	○		○				○	83	90	97	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		1.2	—
	78	○	○		○				○	84	90	97	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		1.4	—
	117	○	○		○				○	84	90	96	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		1.7	—
	157	○	○		○				○	84	90	96	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		2.0	—
	196					○				84	90	96	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	480	2.2	—
	235					○				85	90	95	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	2.4	—
	274					○				85	90	95	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		2.6	—
	314						○			85	90	94	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	540	2.8	—
	392						○			85	90	94	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	3.1	—
	469						○			85	90	94	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	680	3.4	—
80	19	●	○		●				○	72	80	84	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	260	0.7	50
	23	●	○		●				○	72	80	84	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39		0.8	50
	31	●	○		●				○	72	80	84	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		0.9	50
	36	○	○		○				○	72	80	84	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		1.0	—
	39	○	○		○				○	73	80	84	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9	≀	1.0	—
	59	○	○		○				○	74	80	84	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		1.3	—
	78	○	○		○				○	74	80	84	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		1.6	—
	117	○	○		○				○	75	80	84	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		1.9	—
	157	○	○		○				○	76	80	84	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		2.4	—
	196					○				76	80	83	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	490	2.6	—
	235					○				76	80	83	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	3.1	—
	274					○				76	80	83	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		3.3	—
	314						○			76	80	83	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	560	3.3	—
	392						○			76	80	83	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	3.7	—
	469						○			76	80	83	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	700	4.3	—
65	03	●	○	●	●			○	○	54	65	76	—	0.17	0.21	0.24	0.30	0.39	0.46	0.55	0.77	0.95	1.22	150	0.3	150
	04	●	○	●	●			○	○	54	65	76	—	0.23	0.28	0.33	0.40	0.52	0.61	0.73	1.03	1.26	1.63		0.3	150
	05	●	○	●	●			○	○	54	65	75	—	0.29	0.35	0.41	0.50	0.65	0.76	0.91	1.29	1.58	2.04		0.4	150
	07	●	○	●	●			○	○	55	65	75	—	0.40	0.49	0.57	0.70	0.90	1.07	1.28	1.81	2.21	2.86	≀	0.4	150
	10	●	○	●	●			○	○	56	65	74	0.41	0.58	0.71	0.82	1.00	1.29	1.53	1.83	2.58	3.16	4.08		0.5	100
	15	●	○	●	●			○	○	56	65	74	0.61	0.87	1.06	1.23	1.50	1.94	2.29	2.74	3.87	4.74	6.12		0.5	100
	19	●	○		●				○	57	65	73	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	270	0.8	50
	23	●	○		●				○	57	65	73	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39		0.9	50
	31	○	○		○				○	57	65	73	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		1.1	—
	36	○	○		○				○	57	65	73	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		1.2	—
	39	○	○		○				○	57	65	73	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9	≀	1.3	—
	59	○	○		○				○	58	65	72	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		1.4	—
	78	○	○		○				○	58	65	72	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		1.8	—
	117	○	○		○				○	58	65	69	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		2.3	—
	157	○	○		○				○	58	65	69	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		2.7	—
	196					○				60	65	69	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	520	2.9	—
	235					○				60	65	69	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	3.4	—
	274					○				60	65	69	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		3.6	—
	314						○			60	65	69	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	590	3.7	—
	392						○			60	65	69	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	4.4	—
	469						○			60	65	68	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	740	4.4	—

●: Available with/without strainer ○: Available without strainer

Spray angle code	Spray capacity code	Pipe connection size: VE Metal R1/4	VE CER-TIIM® R1/4	VEP Metal R1/8	VEP Metal R1/4	VEP Metal R3/8	VEP Metal R1/2	VEP CER-TIIM® R1/8	VEP CER-TIIM® R1/4	Spray angle (°) 0.15 MPa	0.3 MPa	0.7 MPa	Spray capacity (ℓ/min) 0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	2 MPa	3 MPa	5 MPa	Mean drop. dia. (μm)	Free pass. dia. (mm)	Strainer mesh size
50	19	●	○		●				○	43	50	56	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	300	0.9	50
	31	○	○		○				○	43	50	55	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		1.2	—
	39	○	○		○				○	43	50	55	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9		1.4	—
	59	○	○		○				○	43	50	55	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1	≀	1.5	—
	78	○	○		○				○	43	50	55	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		2.0	—
	117	○	○		○				○	43	50	54	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		2.4	—
	157	○	○		○				○	43	50	54	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		2.9	—
	196					○				43	50	53	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	570	3.3	—
	235					○				43	50	53	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	3.7	—
	274					○				43	50	53	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		4.0	—
	314						○			44	50	52	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	650	4.4	—
	392						○			44	50	52	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	4.7	—
	469						○			44	50	52	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	850	5.0	—
40	23	○	○		○				○	31	40	46	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39	350	1.1	—
	36	○	○		○				○	32	40	45	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		1.4	—
	59	○	○		○				○	32	40	45	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		1.8	—
	78	○	○		○				○	33	40	45	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8	≀	2.1	—
	117	○	○		○				○	33	40	44	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		2.6	—
	157	○	○		○				○	33	40	44	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		3.0	—
	196					○				33	40	43	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	630	3.6	—
	235					○				33	40	43	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	3.7	—
	274					○				33	40	43	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		4.1	—
	314						○			33	40	43	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	720	4.3	—
	392						○			33	40	43	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	4.8	—
	469						○			34	40	43	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	900	5.5	—
25	19	○	○		○				○	18	25	32	0.78	1.10	1.34	1.55	1.90	2.45	2.90	3.47	4.91	6.00	7.76	390	1.1	—
	31	○	○		○				○	19	25	32	1.26	1.79	2.19	2.53	3.10	4.00	4.74	5.66	8.00	9.80	12.7		1.4	—
	39	○	○		○				○	20	25	32	1.59	2.25	2.76	3.18	3.90	5.03	5.96	7.12	10.1	12.3	15.9		1.5	—
	59	○	○		○				○	21	25	32	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1	≀	1.9	—
	78	○	○		○				○	21	25	32	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8		2.3	—
	117	○	○		○				○	21	25	32	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		2.7	—
	157	○	○		○				○	21	25	32	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		3.4	—
	196					○				21	25	32	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	730	3.7	—
	235					○				21	25	31	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	4.0	—
	274					○				21	25	31	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		4.5	—
	314						○			21	25	31	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	800	4.8	—
	392						○			21	25	31	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	5.1	—
	469						○			21	25	31	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	1,050	5.5	—
15	23	○	○		○				○	10	15	19	0.94	1.33	1.63	1.88	2.30	2.97	3.51	4.20	5.94	7.27	9.39	500	1.3	—
	36	○	○		○				○	10	15	19	1.47	2.08	2.55	2.94	3.60	4.65	5.50	6.57	9.30	11.4	14.6		1.6	—
	59	○	○		○				○	10	15	19	2.40	3.41	4.17	4.82	5.90	7.62	9.01	10.8	15.2	18.6	24.1		2.0	—
	78	○	○		○				○	10	15	19	3.18	4.50	5.52	6.37	7.80	10.1	11.9	14.2	20.1	24.7	31.8	≀	2.4	—
	117	○	○		○				○	10	15	19	4.78	6.75	8.27	9.55	11.7	15.1	17.8	21.4	30.2	37.0	47.8		3.0	—
	157	○	○		○				○	12	15	19	6.41	9.06	11.1	12.8	15.7	20.3	24.0	28.0	40.5	49.6	64.1		3.5	—
	196					○				13	15	19	8.00	11.3	13.9	16.0	19.6	25.3	30.0	35.8	50.6	62.0	80.0	850	3.8	—
	235					○				13	15	19	9.54	13.6	16.6	19.2	23.5	30.3	35.9	42.9	60.7	74.3	95.9	≀	4.3	—
	274					○				13	15	19	11.2	15.8	19.4	22.4	27.4	35.4	41.9	50.0	70.7	86.6	112		4.7	—
	314						○			13	15	19	12.8	18.1	22.2	25.6	31.4	40.5	48.0	57.3	81.1	99.3	128	950	5.2	—
	392						○			13	15	19	16.0	22.6	27.7	32.0	39.2	50.6	60.0	71.6	101	124	160	≀	5.4	—
	469						○			13	15	18	19.1	27.0	33.2	38.4	46.9	60.7	71.8	85.6	121	149	192	1,250	5.8	—

●: Available with/without strainer ○: Available without strainer

How to order VE series

Please inquire or order for a specific nozzle using this coding system.

①Complete assemblies

〈Example〉 1/4M VE 11519 S303W

1/4M VE | 115 | 19 | S303 | W

- 115 (Spray angle code) ≀ 15
- 03 (Spray capacity code) ≀ 157
- S303 (Material)
- W (with strainer) / (Blank denotes "without strainer") (Strainer)

②Nozzle tip only

〈Example〉 1/4 VE 11519 S303

1/4 VE | 115 | 19 | S303

- 115 (Spray angle code) ≀ 15
- 03 (Spray capacity code) ≀ 157
- S303 (Material)

How to order VEP series

Please inquire or order for a specific nozzle using this coding system.

〈Example〉 1/4M VEP 11519 S303W

1/4M | VEP | 115 | 19 | S303 | W

- 1/4M (Pipe conn. size*2) / 1/8M / 3/8M / 1/2M
- 115 (Spray angle code) ≀ 15
- 03 (Spray capacity code*3) ≀ 469
- S303 (Material*5) / B / TPVDF
- W (with strainer) / (Blank denotes "without strainer") (Strainer*4)

*2) "M" indicates male thread ("R" of the ISO standard) and "F" indicates female thread ("Rc" of the ISO standard), e.g. 1/8M = R1/8.

*3) When spray capacity code is 03, 04, or 05, "AL99-" is indicated before the material code.
〈Example〉 1/4M VEP 9003 AL99-S303W

*4) No strainer for VEP-TPVDF.

*5) Brass body is available only in sizes R1/8 and R1/4.