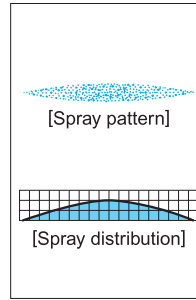


# Universal-joint Type Flat Spray Nozzles

# UT+VP



### [Features]

- Flat spray pattern with a mountain-shaped spray distribution having gradually tapered edges.
- Spray direction is adjustable over a range of 40 degrees as desired.

### [Standard Pressure]

0.3 MPa

### [Applications]

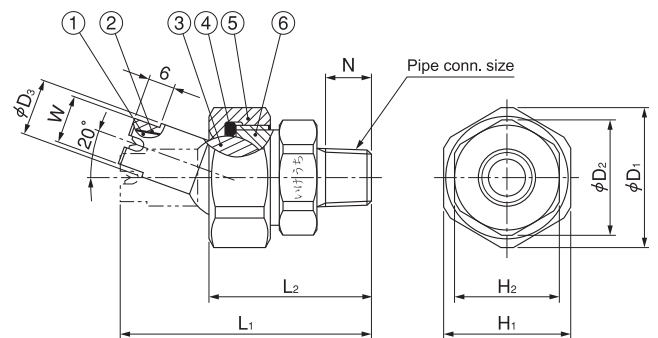
Cleaning: Automotives, containers, films, felts, filters, screens, bottles, crushed stones, earth and sand, metal parts, machines, steel plates, steel pieces

Spraying: Oils, lubricants, liquids, solutions, insecticides, herbicides

Flat Spray

## UT+VP series

UT+VP series																																											
Structure	<ul style="list-style-type: none"> <li>● Three-piece structure with ceramic orifice inserted.</li> <li>● Comprises three parts: Nozzle, cap, and adaptor.</li> <li>● Nozzle unit has integrated universal ball joint for adjusting spray direction.</li> </ul>																																										
Material	<ul style="list-style-type: none"> <li>● Spray orifice: ceramic</li> <li>● Metal parts: S303</li> </ul>																																										
Pipe conn. size	<table border="1"> <thead> <tr> <th colspan="10">Dimensions (mm)</th> <th rowspan="2">Mass (g)</th> </tr> <tr> <th>L<sub>1</sub></th> <th>L<sub>2</sub></th> <th>H<sub>1</sub></th> <th>H<sub>2</sub></th> <th>W</th> <th>φD<sub>1</sub></th> <th>φD<sub>2</sub></th> <th>φD<sub>3</sub></th> <th>N</th> </tr> </thead> <tbody> <tr> <td>1/4M</td> <td>57.5</td> <td>37</td> <td>29</td> <td>24</td> <td>11</td> <td>32</td> <td>26.5</td> <td>13</td> <td>10.5</td> <td>120</td> </tr> <tr> <td>3/8M</td> <td>63.5</td> <td>44</td> <td>35</td> <td>30</td> <td>14</td> <td>38.5</td> <td>33</td> <td>17</td> <td>11</td> <td>200</td> </tr> </tbody> </table>	Dimensions (mm)										Mass (g)	L <sub>1</sub>	L <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	W	φD <sub>1</sub>	φD <sub>2</sub>	φD <sub>3</sub>	N	1/4M	57.5	37	29	24	11	32	26.5	13	10.5	120	3/8M	63.5	44	35	30	14	38.5	33	17	11	200
Dimensions (mm)										Mass (g)																																	
L <sub>1</sub>	L <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	W	φD <sub>1</sub>	φD <sub>2</sub>	φD <sub>3</sub>	N																																			
1/4M	57.5	37	29	24	11	32	26.5	13	10.5	120																																	
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[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

- ① Ceramic orifice ② Adhesive: Araldite® ③ Nozzle body  
④ O-ring (NBR) ⑤ Cap ⑥ Adaptor

Spray Angle Code	Spray Capacity Code	Pipe Conn. Size		Spray Angle (°)			Spray Capacity (ℓ/min)								Free Pass. Dia. (mm)
		1/4M	3/8M	0.15 MPa	0.3 MPa	0.7 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	2 MPa	
80	30	○		70	80	87	1.73	2.12	2.45	3.00	3.88	4.58	5.48	7.75	1.0
	50	○		71	80	86	2.89	3.54	4.08	5.00	6.46	7.64	9.13	12.9	1.4
	80	○		72	80	86	4.62	5.66	6.53	8.00	10.3	12.2	14.6	20.6	1.7
	100		○	72	80	85	5.77	7.07	8.17	10.0	12.9	15.3	18.3	25.8	2.0
	140		○	73	80	85	8.08	9.90	11.4	14.0	18.1	21.4	25.6	36.1	2.5
65	30	○		56	65	72	1.73	2.12	2.45	3.00	3.88	4.58	5.48	7.75	1.1
	50	○		57	65	71	2.89	3.54	4.08	5.00	6.46	7.64	9.13	12.9	1.5
	80	○		58	65	71	4.62	5.66	6.53	8.00	10.3	12.2	14.6	20.6	1.9
	100		○	58	65	70	5.77	7.07	8.17	10.0	12.9	15.3	18.3	25.8	2.1
	140		○	59	65	69	8.08	9.90	11.4	14.0	18.1	21.4	25.6	36.1	2.5
50	30	○		42	50	56	1.73	2.12	2.45	3.00	3.88	4.58	5.48	7.75	1.2
	50	○		43	50	55	2.89	3.54	4.08	5.00	6.46	7.64	9.13	12.9	1.6
	80	○		43	50	55	4.62	5.66	6.53	8.00	10.3	12.2	14.6	20.6	2.0
	100		○	44	50	54	5.77	7.07	8.17	10.0	12.9	15.3	18.3	25.8	2.2
	140		○	44	50	54	8.08	9.90	11.4	14.0	18.1	21.4	25.6	36.1	2.7
	170		○	45	50	54	9.82	12.0	13.9	17.0	22.0	26.0	31.1	43.9	3.0

[Note] 1. Spray nozzle performance is guaranteed only when the nozzle is set at no angle.  
2. For spray droplet diameter, please refer to the chart of VP series nozzles on page 17.

### How to order

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

<Example> ...1/4MUT+VP8030S303

1/4M	UT+VP	80	30	S303
Pipe Conn. Size		Spray Angle Code	Spray Capacity Code	
1/4M		80	30	
3/8M		65	50	
		50	170	

### ALSO AVAILABLE!

Universal-joint Type  
Solid Stream Jet  
**UT+CP series**

See p.99 of this catalog.