

Thick Flat Spray Nozzles with Even Distribution

Hydraulic spray nozzle **WVVEP series**

High cooling effect due to large spray area and high spray impact.

High spray impact!
High cooling effect!

Minimal clogging due to large free passage diameter!

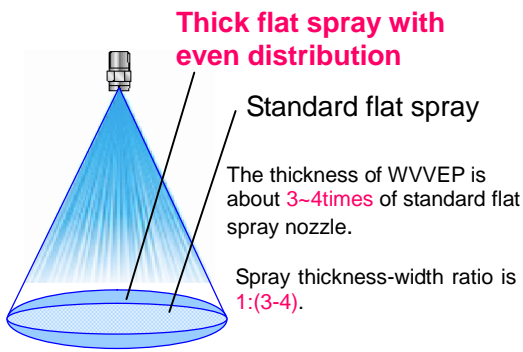
Application for Iron & Steel mill

- Roll cooling
- Plate, Hot strip sheet cooling
- Casted steel cooling

Other application

- Cleaning wide area
- Uniform cleaning
- Water saving

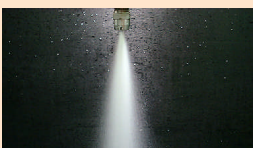
Spray pattern



■ Thickness comparison

WVVEP series

Standard flat spray



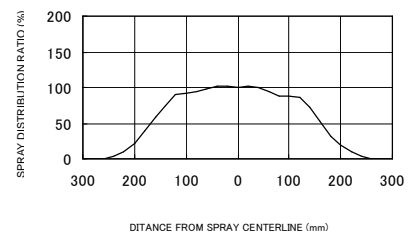
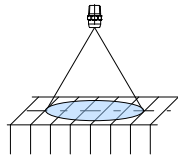
Spray distribution

Nozzle: 1/4MWVVEP90120S303

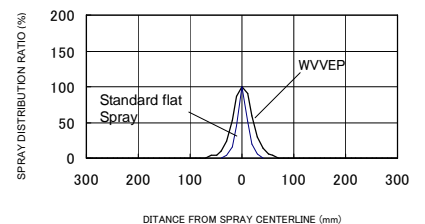
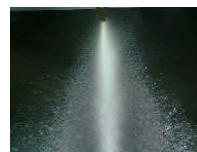
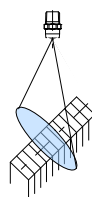
Spray height: 200mm

Spray pressure: 0.3MPa

Width direction



Thickness direction (at right under nozzle)



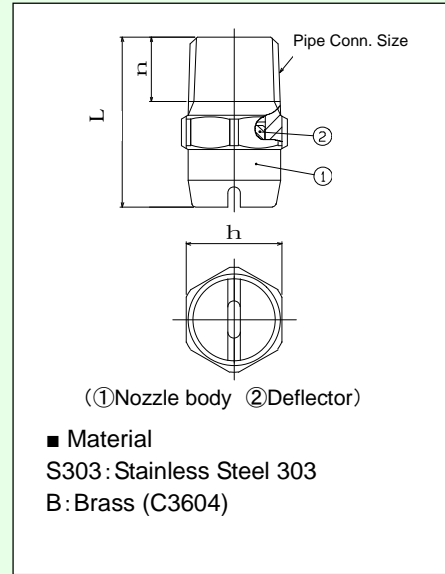
“The Fog Engineers”
H. IKEUCHI & CO., LTD.

Specification



WWVEP series

- High spray impact and large spray area achieve high cooling effect.
- Minimal clogging due to large free passage diameter and simple structure.



Series	Pipe Conn. Size	Dimensions (mm)			Mass (g.)	
		L	n	h	S303	B
WWVEP	1/4	25	9.5	14	21	23
	3/8	30	10.5	19	37	40
	1/2	38	14	23	65	70

Spray Angle Code	Spray Capacity Code	Pipe Conn. Size			Spray Angle (°)		Spray Capacity (L/min)								Mean Droplet Dia. (μm)	Free Pass. Dia. (mm)	
		1/4M	3/8M	1/2M	Width	Thickness	0.3 MPa	0.05 MPa	0.1 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1.0 MPa			2.0 MPa
90	120	○			90	25	4.90	6.93	9.80	12.0	15.5	18.3	21.9	31.0	400	1.6	
	140	○			90	25	5.72	8.08	11.4	14.0	18.1	21.4	25.6	36.1	415	1.6	
	200		○		90	25	8.16	11.5	16.3	20.0	25.8	30.6	36.5	51.6	460	1.8	
	260		○		90	25	10.6	15.0	21.2	26.0	33.6	39.7	47.5	67.1	5	1.9	
	300		○		90	25	12.2	17.3	24.5	30.0	38.7	45.8	54.8	77.5	510	2.0	
	400			○	90	25	16.3	23.1	32.7	40.0	51.6	61.1	73.0	103	550	2.1	
	500			○	90	25	20.4	28.9	40.8	50.0	64.6	76.4	91.3	129	5	2.2	
600			○	90	25	24.5	34.6	49.0	60.0	77.5	91.7	110	155	620	2.4		
65	120	○			65	25	4.90	6.93	9.80	12.0	15.5	18.3	21.9	31.0	430	2.8	
	140	○			65	25	5.72	8.08	11.4	14.0	18.1	21.4	25.6	36.1	450	2.9	
	200		○		65	25	8.16	11.5	16.3	20.0	25.8	30.6	36.5	51.6	500	3.2	
	260		○		65	25	10.6	15.0	21.2	26.0	33.6	39.7	47.5	67.1	5	3.4	
	300		○		65	25	12.2	17.3	24.5	30.0	38.7	45.8	54.8	77.5	560	3.5	
	400			○	65	25	16.3	23.1	32.7	40.0	51.6	61.1	73.0	103	600	3.7	
	500			○	65	25	20.4	28.9	40.8	50.0	64.6	76.4	91.3	129	5	4.0	
600			○	65	25	24.5	34.6	49.0	60.0	77.5	91.7	110	155	670	4.5		

How to order

(Example) 1/4MWVVEP90120S303

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

1/4M	WWVEP	90	120	S303
Pipe Conn. Size		Spray Angle Code	Spray Capacity Code	Material
1/4M		65	120	S303
~		90	~	B
1/2M			600	

For details or any inquiry please feel free to contact our sales office or mail us at overseas@kirinoikeuchi.co.jp.

 "The Fog Engineers"
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