

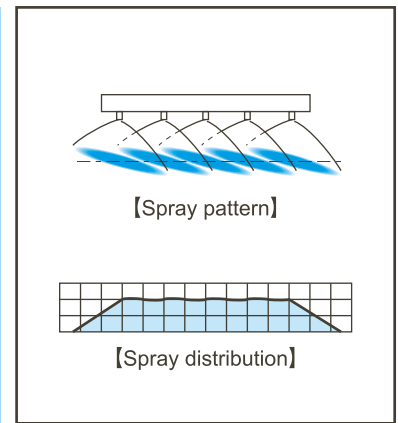
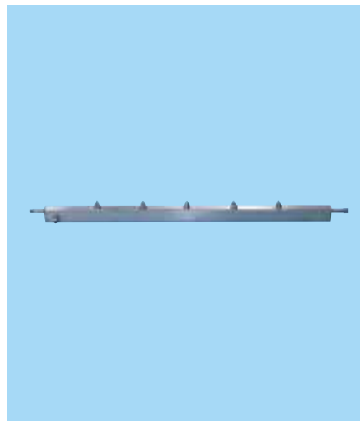
# Integrated Spray Header with BIM Fine Fog Nozzles

# BIM Header

## Features

- Spray header equipped with BIMV series (liquid pressure type) producing fine atomization with mean droplet diameter of 100 μm or less.\*1
- Combines two pipes for air and water into one rectangular spray header. Compact and easy to install and maintain.
- Uniform spray distribution across the entire spray area.

\*1) Droplet diameter measured by laser Doppler method

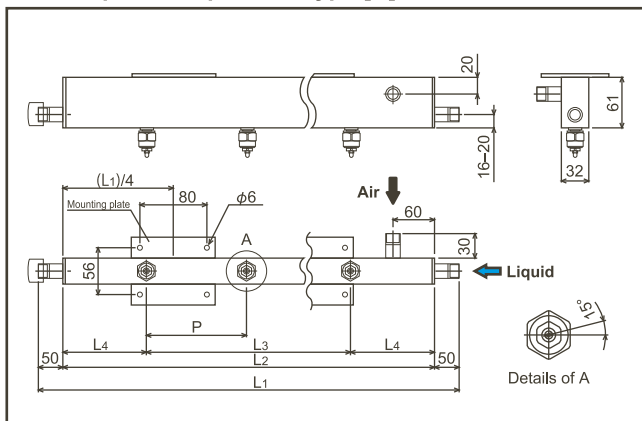


## Applications

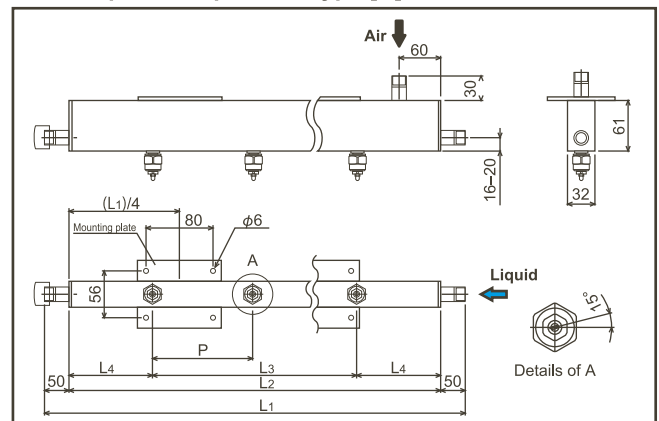
- Spraying: Oil, surface treatment agent
- Cooling: Moldings, steel plates, glass plates, plastic film
- Cleaning: Printed circuit boards

## Structure, Materials, Dimensions & Pipe Connection Sizes

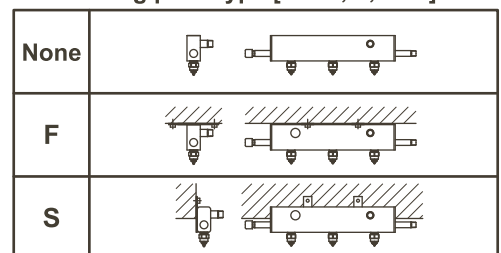
### ■ Air/Liquid inlet position type [A]



### ■ Air/Liquid inlet position type [B]



### ■ Mounting plate type [None, F, or S]



F: To install facing perpendicular from a wall.  
S: To install facing parallel along a wall edge.

### ■ Dimensions

Header code		Nozzle spacing P (mm)	Nozzle quantity (Number of BIM nozzles equipped)	Spacing (mm)		Pipe connection size						Material	
Header length L2 (mm)	Total length L1 (mm)			L3	L4	Nozzle code							
						BIMV11002		BIMV11004		BIMV110075		Nozzle	Header
1,000	1,100	100	10	900	50	R3/8	R1/4	R3/8	R1/4	R1/2	R3/8		
		200	5	800	100	R3/8	R1/4	R3/8	R1/4	R3/8	R1/4		
2,000	2,100	100	20	1,900	50	R1/2	R3/8	R1/2	R3/8	R3/4	R1/2	S303	S304
		200	10	1,800	100	R3/8	R1/4	R3/8	R1/4	R1/2	R3/8		

**Air Consumption & Spray Capacity**

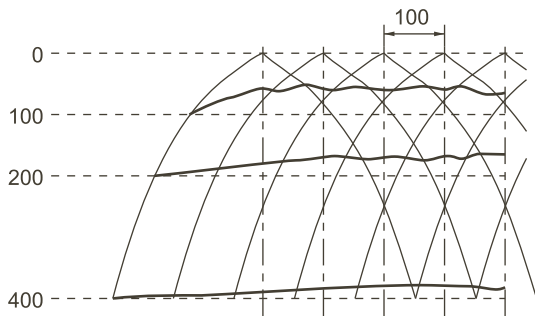
Nozzle code	Nozzle quantity	Air pressure (MPa)	Air consumption (ℓ/min, Normal)	Spray capacity (ℓ/hr) at liquid pressure of 0.1 MPa
BIMV11002	5	0.3	100	5.0
	10		200	10.0
	20		400	20.0
BIMV11004	5	0.3	180	10.0
	10		360	20.0
	20		720	40.0
BIMV110075	5	0.3	370	20.0
	10		740	40.0
	20		1,480	80.0

Note: Total air consumption and spray capacities shown in the above table are calculated from the number of nozzles used, based on each air consumption and spray capacity described on page 14.

**Spray Distribution**

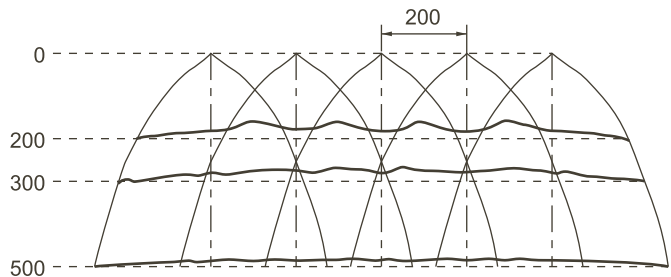
**■ BIMV11004S303**

Nozzle spacing: 100 mm,  
 Compressed air pressure: 0.3 MPa,  
 Liquid pressure: 0.1 MPa,  
 Offset angle (nozzle tip angle to axis of header): 15°



**■ BIMV11004S303**

Nozzle spacing: 200 mm,  
 Compressed air pressure: 0.3 MPa,  
 Liquid pressure: 0.1 MPa,  
 Offset angle (nozzle tip angle to axis of header): 15°



**How to order**

To determine specifications, please specify a nozzle code, nozzle quantity, nozzle spacing, and header length etc., using this coding system.

<Example> BIMV11002S303 + 10 (P100) A1000F (Pre-setting 15°, L=1100)

<b>BIMV11002</b>	<b>S303+</b>	<b>10</b>	<b>(P 100)</b>	<b>A</b>	<b>1000</b>	<b>F</b>	<b>(Pre-setting 15°</b>	<b>, L=1100)</b>
Nozzle code		Nozzle quantity	Nozzle spacing	Inlet position type	Header length	Mounting plate type	Offset angle	Total length
■ BIMV11002		■ 5	■ 100	■ A	■ 1000	■ F	■ 0° (Blank denotes 0°.)	■ 1100
■ BIMV11004		■ 10	■ 200	■ B	■ 2000	■ S	■ 15°	■ 2100
■ BIMV110075		■ 20				■ None (Blank denotes "without plate".)		

Note: For details of BIMV nozzles, see page 14.

For details of BIM Header, please ask for our inquiry drawing.