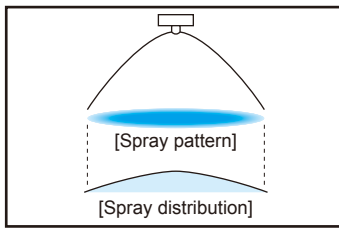


# Ultra-Low Pressure Flat Spray Fine Fog Nozzles

**BAVV**

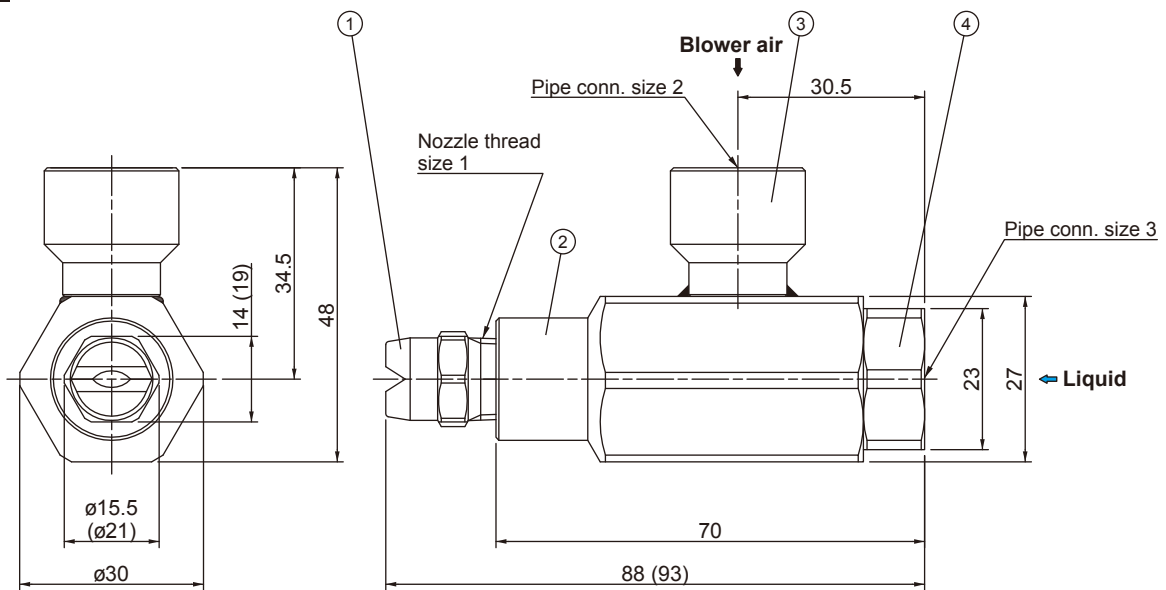


- Flat spray pneumatic nozzle producing fine atomization with a mean droplet diameter of 40 µm or more.\*1
  - Low operating costs due to the use of blower air for atomization.
  - Large free passage diameter for minimal clogging.
- \*1) Droplet diameter measured by laser Doppler method

### APPLICATIONS

- Cleaning: Liquid crystal, glass substrate, printed circuit boards
- Cooling: Steel plates
- Dust suppression: Raw material conveyor line
- Moisture control: Paper making

### DRAWING



Note:

- Dimensions in ( ) shows those for the model BAVV6060S303.
- Appearance and dimensions may differ depending on nozzle codes and materials.

### COMPONENTS AND MATERIALS

No.	Components	Standard materials
1	Nozzle body	S303
2	Mixing adaptor	S304
3	Air socket	S304
4	Liquid socket	S303

Unit: mm

### DIMENSIONS PERFORMANCE DATA

Spray angle code*2	Spray capacity code	Nozzle thread size 1	Pipe conn. size		Air pressure (MPa)	Spray capacity (L/hr) & Air consumption (L/min, Normal)						Free passage diameter (mm)			Weight (g)
			2	3		Liquid pressure (MPa)						Tip orifice	Adaptor		
			Air	Liquid		0.02		0.03		0.04			Liquid	Air	
			Liquid	Air		Liquid	Air	Liquid	Air	Liquid	Air				
60	10	R1/4	Rc3/8	Rc1/4	0.02	9.0	92	21.0	78	31.2	76	2.5	1.4	3.0	270
	30	R1/4				27.6	168	48.0	150	64.8	136	3.6	2.0		270
	60	R3/8				57.6	254	94.2	220	123	190	4.7	2.6		280

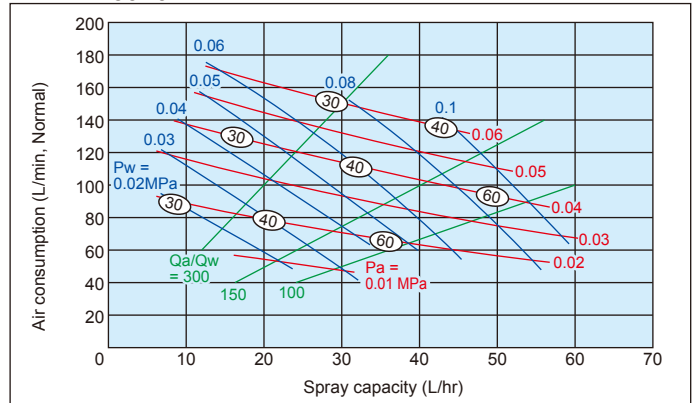
\*2) Spray angle measured at both air and liquid pressure of 0.02 MPa

**FLOW-RATE DIAGRAMS**

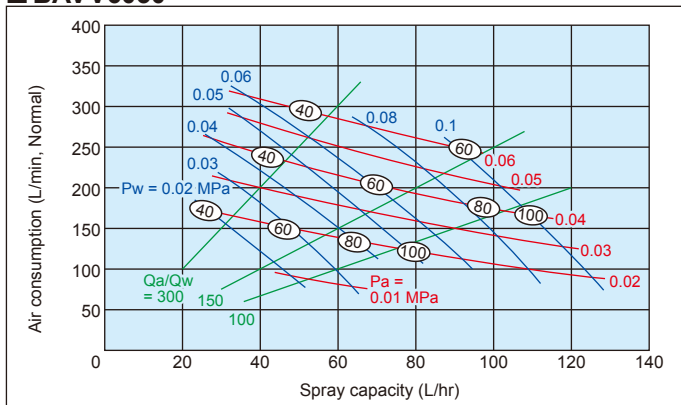
■ How to read the chart

1. The spray capacity shown is for one nozzle.
2. **Red lines** (—) represent blower air pressures  $P_a$  in MPa.  
**Blue lines** (—) represent liquid pressures  $P_w$  in MPa.  
**Green lines** (—) represent air-water ratio  $Q_a/Q_w$ .
3. Numbers in ovals ○ indicate Sauter mean diameters ( $\mu\text{m}$ ) measured by laser Doppler method.

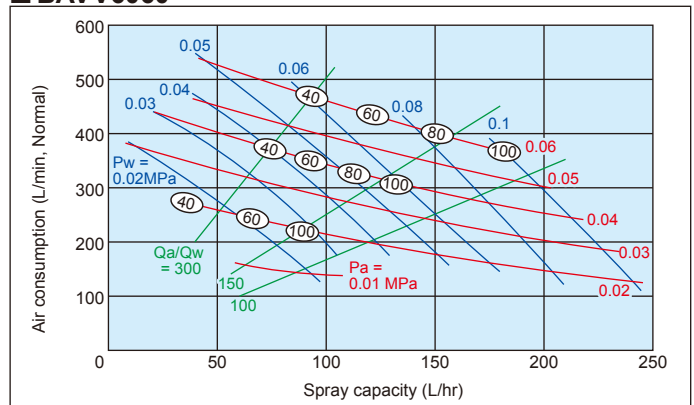
■ **BAVV6010**



■ **BAVV6030**



■ **BAVV6060**



**HOW TO ORDER**

To inquire about or order a specific product please refer to this coding system.

<Example> BAVV 6010 S303

**BAVV**

**60**

Spray angle code

**10**

Spray capacity code

**S303**

Material of nozzle body

■ 10

■ 30

■ 60