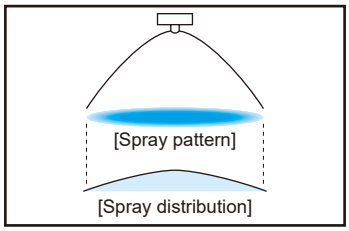
Ultra-Low Pressure
Flat Spray Fine Fog Nozzles

BAVV



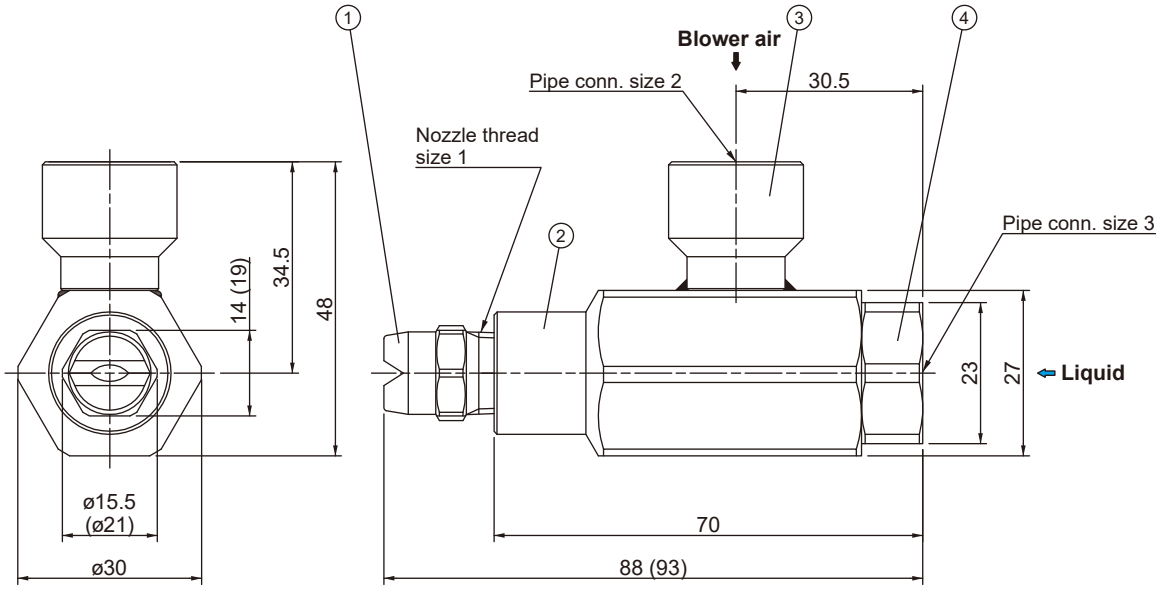
■Flat spray pneumatic nozzle producing fine atomization with a mean droplet diameter of 40 μm or more.*1
■Low operating costs due to the use of blower air for atomization.
■Large free passage diameter for minimal clogging.

*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 2 Air	Pipe conn. size 3 Liquid	Air pressure (MPa)	Spray capacity (L/hr) & Air consumption (L/min, Normal) Liquid pressure (MPa) 0.02 Liquid	0.02 Air	0.03 Liquid	0.03 Air	0.04 Liquid	0.04 Air	Free passage diameter (mm) Tip orifice	Adaptor Liquid	Adaptor Air	Weight (g)
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

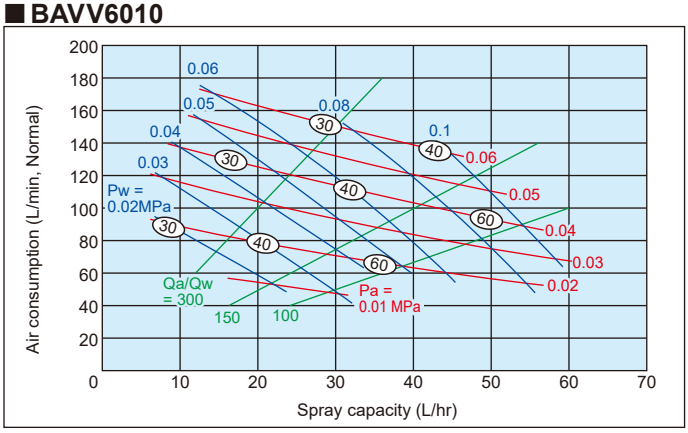
■How to read the chart

1. The spray capacity shown is for one nozzle.

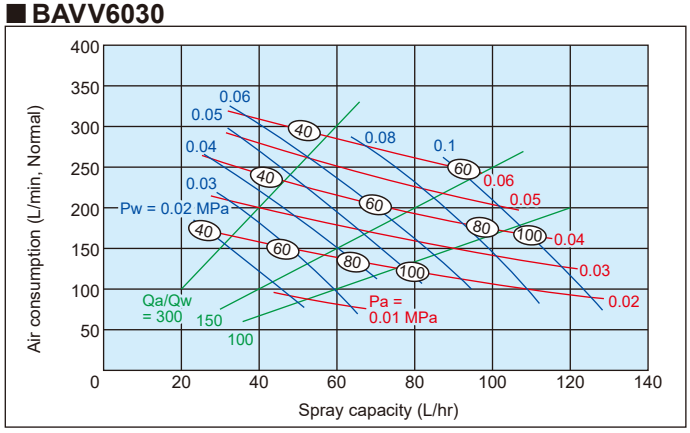
2. Red lines (—) represent blower air pressures Pa in MPa.
   Blue lines (—) represent liquid pressures Pw in MPa.
   Green lines (—) represent air-water ratio Qa/Qw.

3. Numbers in ovals ⬭ indicate Sauter mean diameters (μm) measured by laser Doppler method.

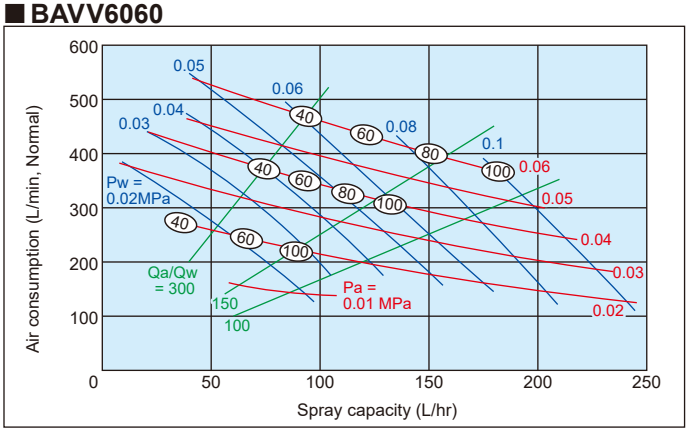
■ BAVV6010



■ BAVV6030



■ BAVV6060



BAVV

HOW TO ORDER

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

<Example> BAVV 6010 S303

BAVV	60	10	S303
	Spray angle code	Spray capacity code	Material of nozzle body

■10
■30
■60