

*Further user friendly, reliable, and speedy bubble elimination!*



Bubbles are eliminated just by placing a syringe and pressing the switch.



**1** New function Introduction of a syringe detachable mechanism with stationary holder allows for simple operation and elimination of syringe setting failure.



**2** New function Introduction of a newly developed needle cap mounting jig has achieved reliable capping, and accordingly prevents liquid from leaking during bubble elimination.



**3** New function Introduction of a digital timer allows for detailed setting and control of bubble elimination time.



Applicable liquids: silver paste, solder paste, epoxy resin, silicone resin, UV resin, two-part curable resin, lubricating agent, grease, thermal silicone

## Features

- Applicable worldwide, 220 to 230 volts specifications also available.
- Abnormal vibration detection function equipped.

If an abnormal vibration is generated because of unbalanced weight of the installed syringe, the machine is forcibly stopped for safety.

## Specifications

### Centrifugal bubble eliminator for syringe

Item name	Model	Applicable syringe	Remark
AWATRON 3	AW-20-3	1,3,5,10,20 ml	Power supply of 100 VAC
	AW-20-3-220V		Power supply of 220/230 VAC
	AW-50-3	1,3,5,10,20,30,50 ml	Power supply of 100 VAC
	AW-50-3-220V		Power supply of 220/230 VAC

Note: The holders and holder collars for 1 to 10 ml syringes are optionally available.

### Holder/holder collar for AWATRON 3 (also used for NC-3E/7E)

Item name	Model	Applicable syringe	Quantity
Holder for 1 ml	AW3-H1	1	1
Holder for 3 ml, for BLT type	AW3-H3	1	1
Holder for 3 ml, for E and EU-G types	AW3-H3E	1	1
Holder collar for 5 ml	AW3-C5	1	1
Holder collar for 10 ml	AW3-C10	1	1

Note: For 20 to 50 ml syringes, the syringe holder attached with the unit can be used for syringe placement. Additional collar and holder are not required.

### Cleaning jig

Item name	Model	Quantity
Syringe holder cleaning jig for AWATRON 3	AW3-CLJ-01	100 pieces/pack

### External transformer (option)

- Use the transformers listed below when using AW-20-3 or AW-50-3 with voltage other than 100V.

Item name	Model
For 110 VAC (110 VAC ⇒ 100 V)	TR-110
For 117 VAC (117 VAC ⇒ 100 V)	TR-117
For 200 VAC (200 VAC ⇒ 100 V)	TR-200
For 220 VAC (220 VAC ⇒ 100 V)	TR-220
For 240 VAC (240 VAC ⇒ 100 V)	TR-240

Note: 600 W, 2-pole socket with grounding terminal/1 unit  
 If the power supply voltage is 210 VAC, use the model, TR-220.  
 If the power supply voltage is 230 VAC, use the model, TR-240.

Model	AW-20-3	AW-20-3-220V	AW-50-3	AW-50-3-220V
Settable time	1 to 600 sec.			
Applicable syringe ml (cc)	1 ml x 4 pieces			
	3 ml x 4 pieces			
	5 ml x 4 pieces			
	10 ml x 4 pieces			
	20 ml x 4 pieces			
		—		30 ml x 4 pieces
	—		50 ml x 4 pieces	
Power supply	100 VAC 50/60Hz	220 VAC or 230 VAC 50/60Hz	100 VAC 50/60Hz	220 VAC or 230 VAC 50/60Hz
Power consumption	165W		400W	
Weight	Approx. 15 kg		Approx. 24 kg	

## External dimensions

Model	W	D	H
AW-20-3	320	394	205
AW-20-3-220V			
AW-50-3	431	509	245
AW-50-3-220V			

Unit : mm



#### Safety precautions

Please read the instruction manual carefully before use to ensure correct and safe usage.

\*These specifications are subject to change without any notice.

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