

## Gas Plasma Ashers

### PB600/PB1000S/PA600D

Model		
PB600	PB1000S	PA600D
Plasma Mode		
DP		DF
DP : Direct Plasma DF : Downflow		
High-frequency Output		
Max.600W	Max.1000W	Max.600W
Oscillating Frequency		
13.56 MHz		
Dimension of Stage(mm)		
ø200×300	ø300×500	for 6-inch wafer

- The PB series are of barred type of direct plasma method, and can be operated automatically by simple setting.
- The model PA600 is a plasma ashing system after the downflow method, which copes with a 6-inch wafer.



Downflow method

## Specifications

Model	PB600	PB1000S	PA600D
Plasma method	Barred type of DP mode		DF mode
Electrode	Split of Opposite electrode structure		Round type electrode structure
RF generator	0 to 600W	50 to 1,000W	0 to 600W
Oscillating frequency	13.56MHz		
Control system	Digital display with PLC control	Touch panel with PLC	Digital display with one touch operation
Tuning method	Automatic and Manual tuning		
Timer	1 sec. to 9H 59min.59 sec.		
Chamber	Made of quartz glass		
Chamber size	ø200×300mmL	ø300×500mmL	Adapt for 6 inch wafer
Chamber temperature	Digital display		
Reaction gas	O <sub>2</sub> ,CF <sub>4</sub> or others		O <sub>2</sub> ,Ar,CF <sub>4</sub> ,C <sub>5</sub> F <sub>8</sub> ,SF <sub>6</sub> or others
Purge gas	N <sub>2</sub> or Dry air		
Flow meter	Flow meter 1 line (O <sub>2</sub> 0 to 1,000 ml/min.)	Mass flow control with digital display (CF <sub>4</sub> 0 to 300sccm, O <sub>2</sub> 0 to 1,000sccm)	
Vacuum gauge	Pirani type (0.4 to 3,000Pa/0.004 to 30Torr)	Digital display (0.4 to 3,000Pa/0.004 to 30Torr)	
Vacuum pump	250 ml/min.	700 ml/min.	
Emergency stop switch	Push type switch		
Gas port	1 line (1/4" SUS Swagelok)	2 line (1/4" SUS Swagelok)	
Purge port	1 line (1/4" SUS Swagelok)	1 line (1/4" SUS Swagelok)	
Vacuum port	1 line ( SUS NW25)	1 line ( SUS NW25)	
External dimensions	500mmW×600mmD×650mmH	640mmW×850mmD×1,695mmH	650mmW×800mmD×1,500mmH
Power supply	AC200/220/380V, 3 phase and AC100/220V, single phase		
Weight	Approx. 130kg	Approx. 180kg	Approx. 150kg