

Low Temperature Asher

Yamato

"Plasma Reactor"

Model PR300

Method

Barred type of DP

DP : direct plasma

High-frequency Output

0~300W

Oscillating Frequency

13.56MHz

Reaction Chamber

φ64×160mm, 3 chambers

The PR 300 is a gas plasma device that is used widely for such applications as production of semiconductors and analysis work. It boasts outstanding operability and safety, with an automatic tuning system as a standard component and other features. It has a compact design, with a small-size HF generator and an oscillation section integrated with a portion of the chamber, allowing it to be installed into a 19-inch rack.

- Three 64mm diameter chambers are included.
- The unit boasts extremely high per area output (Approx. 0.17W/cm²), and can be set for a wide range of output conditions to handle a variety of testing samples.



- The gas plasma equipment has a wide range of applications from ashing, etching, dry cleaning, etc.

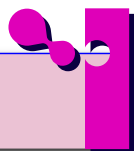


Control Panel



Reaction Chamber



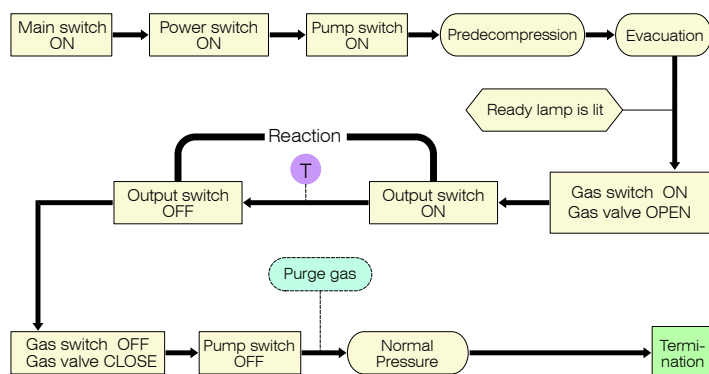


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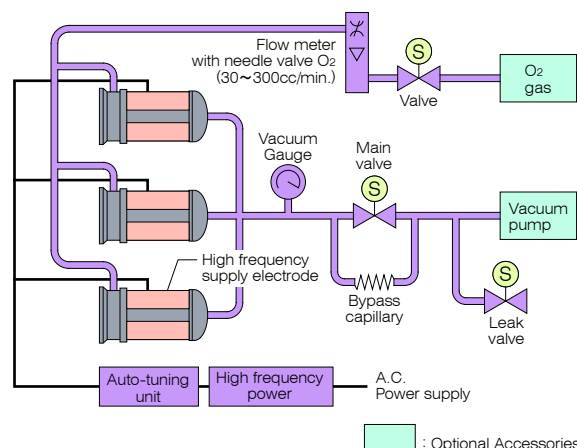
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Operation Flowchart



Piping System Diagram



Specifications

Model	PR300		
Method	Barred type of direct plasma		
Control part			
High frequency output	300W variable (100W × 3 chambers)		
Oscillating frequency	13.56 MHz		
Output impedance	50 Ω		
Tuning method	Manual biaxial tuning method		
Instrument	Output watt meter (0~300W) Reflected wave watt meter (0~100W) Vacuum gauge, bourdon's tube type Flow meter, needle valve integrated type, 2 sets		
Timer	0.1sec.~999h		
Gas inlet	1/4" stainless steel		
Power source (50/60Hz)	AC 100/230V, single phase, 1 kVA		
Reaction part			
Reaction chamber	Made of super hard glass, φ 64 × 160mm × 3 rooms		
Electrode structure	Condenser type, 2-way split		
Control system	Auto pressure reduction, auto leak valve		
Piping material	SUS, Teflon, copper		
External dimensions(W × D × Hmm)	438 × 520 × 556		
Weight	Approx. 38kg		
Standard Accessories	<ul style="list-style-type: none"> ● Vacuum grease 1 container ● O-ring for reaction chamber 1 pc. ● Sample dish (large and small) each 4sets ● Lid for reaction chamber 4 sets ● Adapter for ground 1 pc. 		
Optional Accessories	<ul style="list-style-type: none"> ● Sample dish (large) ● Sample dish (small) ● Sample shelf ● Stand 		