

Plasma Modifier (Barrel Chamber)

Low Frequency Plasma Device

PM100

Low frequency output

Low frequency high voltage power supply

Reaction chamber

I.D 100mm×L160mm

Overview

- Barrel type and isotropic, plasma is generated throughout the chamber.
- Soft plasma as system uses low frequency wavelength.
- Suitable for biochemical systems.
- Uses oxygen as reaction gas.

Application

- Biochemistry (organic membrane treatment on glass substrate).
- Cleaning of glassware (sterilization).
- Cleaning of sample holder TEM, SEM, FIB etc. system.
- Treatment of sensor probe of analysis equipment.
- Acceleration test of coated film.
- Bonding of PDMS chip, glass, PDMS board.
- Degradation and acceleration test of coated film etc.



Chamber



Specimen stand

Specifications

Product code	215015	
Model	PM100	
Plasma source	Low frequency high voltage power supply	
Gas Flowmeter	Oxygen gas, flow rate 30 - 300 mL / min	
Reaction chamber	I.D 100mm×L160mm	
Exterior dimensions / Weight	W310mm×D300mm×H448mm / Approx. 16kg	
Utility	Power (50/60Hz)	AC115V / 220V Single phase with step-down transformer
	Vacuum pump connection port	O.D 15mm with hose fitting (Recommended pump exhaust speed 30L/ min)
	Gas connection port	O.D 6.35mm with hose fitting

External dimensions do not include projections.

Oil-sealed vacuum pump

PQ30



- Integrated check valve below the inlet port and pump internal atmospheric release mechanism for backflow prevention.
- Magnet coupling produces low noise and results to longer lifetime of shaft seal.

Specifications

Product code	242284
Model	PQ30
Effective pumping speed	30/36 L / min (50/60 Hz)
Reaching pressure	0.67Pa
Intake pipe diameter	I.D 11mm×O.D.15mm
Safety function	Back flow prevention, Atmospheric release mechanism
Coupling	Magnet coupling
Exterior dimensions	W120×D288.5×H190mm
Power (50/60Hz)	AC115V / 220V Single phase with step-down transformer
Weight	9.3kg