Harrick Plasma Cleaner PDC-32G

Plasme Cleaner
Tool Type: “Cleaning Tool”
Location: “Microfluidics Lab”

Supervisor	Tool Lead
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Description: “TEXT HERE”
Manufacturer: “TEXT HERE”

About

The Harrick PDC-32G is a compact table top plasma cleaner for nanoscale surface cleaning and activation of small samples. The attached PlasmaFlo gas mixer allows for quantitative control of up to two different process gasses and monitoring of the vacuumed pressure within the chamber.

Training Documentation

Plasma Cleaner SOP

Detailed Specifications

- 3 stage adjustable RF power settings
- Max RF power: 18W

- Chamber size: 3“ diameter x 6.5” Pyrex chamber
- Valve threads: 1/8 NPT

Recipes

Brian Dincau found that the following recipe does a good job enhancing PDMS-PDMS bonding:

- Power - High
- Pressure - 450 mTorr
- Duration - 30s
- Nitrogen flow - adjust as needed to maintain desired pressure.

Safety Concerns

Reference Documentation

harrick-plasma-product-information-web.pdf

plasma_cleaner_manual_32g.pdf

ufl_harrick_plasma_operating_instructions.docx

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