

Technical specifications of your CVD Cube.

Catalog Number	CVDcube 1000 /2 / 5
Nom. Output power 50Hz	230V
Nom in Frecuency	50Hz
Dimensions (WxHxL) in cm.	50x50x60
Nom. current at 50Hz	10A
Aprox. Weight (in Kg)	35
Max. Operating temp oven	1000 °C OVERHEAT ALARM SET AT 1015°C
Max. temp. certified by the Oven fiber's fabricant (Whatlo)	1148°C
Thermocouple type (max temp)	K (1023°C)
Reactor chamber type	quartz
Reactor chamber dimensions (Operating constant temp +- 2%)	2cm x 5cm
Number of Mass Flow Controllers (dilution not included)	3
G1 as labeled in the instrument	1/8 " Argon (25 sccm min flow rate. 1400sccm max. flow rate)
G2 as labeled in the instrument	1/8 " Methane (20 sccm min flow rate. 800 sccm max. flow rate)
G3 as labeled in the instrument	1/8 " Hydrogen (25 sccm min flow rate. 1000 sccm max. flow rate)
Input nom. Pressure (input Mass Flow)	4 atm.
Output nom. pressure (output Mass Flow)	1 atm.
Max.. Pressure (input Mass Flow)	4 atm.
Min. Pressure (input Mass Flow)	3 atm.
Maximal internal overpressure In the reactor chamber allowed	0,5 bar
Nitrogen inert dilution safety Connection size	1/4 "
Nitrogen dilution safety Min flow and input pressure Labeled as D in the inlet	50 SLM (4atm)