

LOW-PRESSURE
PLASMA SYSTEMS

Femto



DIMENSIONS

Tabletop unit

310 - 560 mm x 211 - 860 mm x 420 - 600 mm
(D 570 - 750 mm incl. connector) (WxHxD)

Stand-alone unit

600 mm x 1910 mm x 800 mm
(W 750 mm incl. connector) (WxHxD)

VACUUM CHAMBER

Stainless steel*

Ø 100 mm, D 278 mm

Stainless steel rectangular, hinged door

W 103 mm x H 103 mm x D 285 mm

Aluminium rectangular, hinged door

W 110 mm x H 120 mm x D 300 mm

Silica glass (UHP)*

Ø 95 mm, D 280 mm

Borosilicate glass (HP)*

Ø 95 mm, D 280 mm

*round with lid (opt. hinged door)

Further depths on request

CHAMBER VOLUME

approx. 1 - 3 litres

GAS SUPPLY

Needle valves or mass flow controllers (MFCs)

GENERATOR FREQUENCY

40 kHz / 0 - 100 W; 100 kHz / 0 - 500 W
13,56 MHz / 0 - 100/200 W; 2,45 GHz / 0 - 300 W

ELECTRODES

According to customer requirements

CONTROLS

Semiautomatic

Basic PC control (Windows CE)

Full PC control (Windows 10 IoT)

POWER SUPPLY

230 V / 50 - 60 Hz for tabletop units

400 V / 50 - 60 Hz, 3 phases for stand-alone units

PRESSURE MEASUREMENT

Pirani, Capacity pressure gauge

VACUUM PUMP

Capacity: min. 3 m³/h