

## PFC-6020 PUMP & FLOW CONTROLLER

Ioner's PFC 6020 is a device to generate an automatically controlled flow rate. The pump is coupled to a mass flow controller that feeds it back closing the control loop. Ideal to control the sheath and aerosol flows in electrical mobility sizing systems or to couple a VOC's trap for posterior lab analysis.

Automatic and instant adjustment and visualization of set point and real air flow.

Any other higher and lower flow rate can be manufactured upon request.



### SPECIFICATIONS

Max. flow rate* <sup>1</sup>	PFC-6020-05: 0.5 slpm PFC-6020-10: 10 slpm PFC-6020-50: 50 slpm
Max. pressure drop* <sup>2</sup>	PFC-6020-05: 20 mbar PFC-6020-10: 22 mbar PFC-6020-50: 25 mbar
Repeatability	< 2%
Communications	Ethernet
Software & Labview® drivers	Included
Weight	4 Kg.
Dimensions	300 x 120 x 195 mm
Power supply	100 -240 VAC 50 – 60 Hz
Max. consumption	100 W
Batteries	Optional (battery life depends on maximum flow rate)
Working temperature range* <sup>3</sup>	5 – 40 °C
Humidity working range* <sup>3</sup>	5 – 80 %

\*<sup>1</sup> Standard Litres Per Minute at 20 °C and 1 Atm.

\*<sup>2</sup> At maximum flow rate at 20°C and 1 atm.

\*<sup>3</sup> Non-condensing.

### APPLICATIONS

- Aerosol & VOC sampling.
- Aerosol pump for electrical mobility instruments.
- Sheath pump for electrical mobility instruments.

Stability at 1lpm

