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Core Lab



# Automatic Back Pressure Regulator – CPS 10-1000 Datasheet

Accessory\Valve



## Automatic Back Pressure Regulator – CPS 10-1000



### General Features

The Control Pressure System is specially designed to control automatically the set point pressure of B.P.V. (Back Pressure Valves) with accuracy better than 0.01% of full scale.

The system is compact. The control box includes a 10 mL volumetric pump with a 100 mL tank insulating valves.

Built for 1000 bar pressure, it allows a constant pressure regulation system with display pressure and volume. The system can be connected to a PC and the set point can be controlled automatically.

This equipment is composed of:

- An absolute pressure sensor
- Software for data acquisition and opening procedures for automation such as pressure, set point, volume, flow rate indications and macro procedure

Specifications	
Tank Volume	100 ml
Pump Volume	10 ml
Pressure	1000 bar
Temperature	Ambient
Volume Accuracy	$10^{-4}$ ml
Pressure Accuracy	0.01 bar
Ramp pressure	0.01 to 5bar/min