



Automatic Pressure Drive – APD200



General Features

The Automatic Pressure Drive has been designed to carry out automated handling on diamond anvil cell (DAC) to generate gas ramp or pressure steps up to 200 bar. It integrates a 720 ml tank and a connection on a helium supply for autonomous action.

Specifications	
Tank volume	720 ml
Tank pressure	300 bar
Working temperature	ambient
Working pressure	200 bar
Accuracy on measurement:	
Volume	10^{-4} ml
Pressure	0.01 bar
Ramp pressure	0.01 bar to 5 bar/min



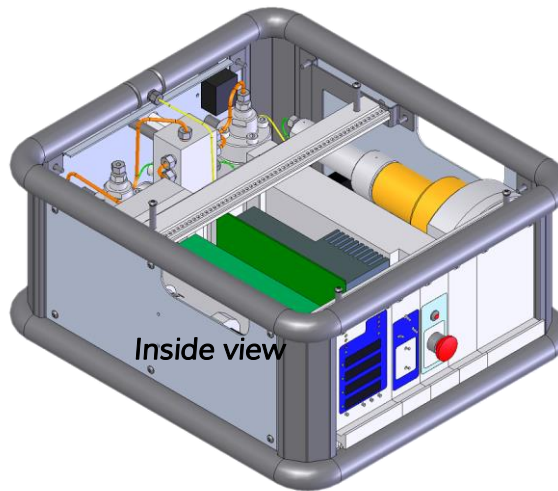
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Characteristics

The system is composed of an incorporated micro-pump and its regulation system by differential valve that guarantee an accuracy of 0.01 bar.

Associated to FALCON® software, the pilot can be controlled by a computer for full automation of increasing/decreasing pressure steps.

Furthermore, thanks to its compact design, it will easily find its place in any laboratory working station.



Example of synoptic

