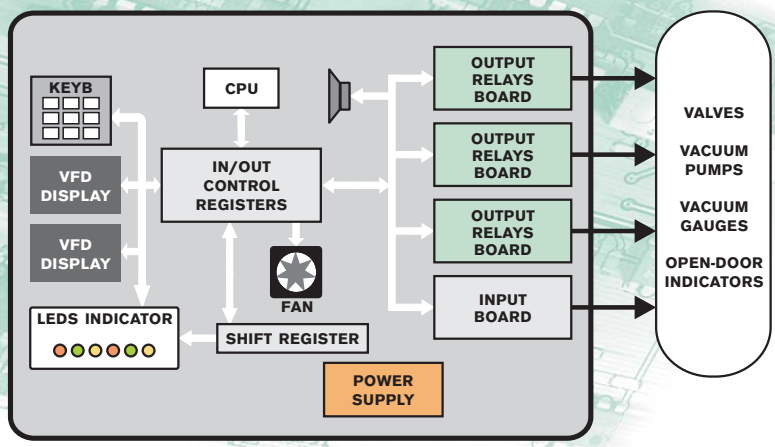
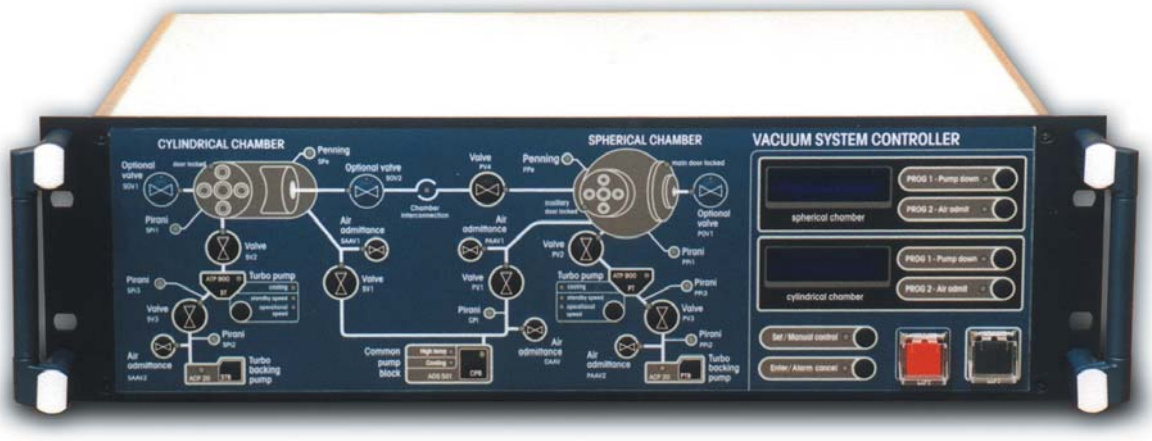
Vacuum System Controller
Model **VCU 2000**



Parameters

Number of control elements	30 switches
Number of LED indicators	46
Displays	Two-row 16 character VFD display (2×)
Number of AC 230 V outputs	16
Number of DC 24 V outputs	18
Number of inputs	72
Dimensions	19" × 3U × 350 mm
Weight	10 kg



VCU 2000 was developed to control a complex vacuum system consisting of tandem vacuum chambers installed at PALS laboratory (Prague Asteris Laser System, Academy of Sciences, CZ). The system allows to control and monitor the status of all vacuum pumps (1× central rotary pump, 2× turbo pump, 2× turbo backing pump) and of all valves and gauges. It checks the limit detectors installed in valves, vacuum gauges and proximity switches (detection of closed vacuum chamber door). The apparatus operates either in simple manual mode or in automated pre-programmed sequences. Both in manual and in automatic mode, VCU 2000 checks the status of all inputs to prevent any hazardous situations. All inputs and outputs are opto-insulated. The device can be mounted in a standard 19" metal rack.