



VCP-800 Summary

1. General

The VCP-800 controller is designed to provide the control function for a versatile pumping system. Different port configurations are possible.

The VCP-800 supports an RS232 based interface to a PC running suitable software (for example Wordentec WAVE) on port SK1.

The VCP-800 supports an RS485 based interface to one or more FLM-100 water flow monitoring units on port SK2.

The VCP-800 supports I/O using the Beckhoff range of I/O modules interfaced by port SK3.

The VCP-800 supports an RS485 based interface with digital vacuum gauge systems on port SK4.

The details of the protocols used by different ports depends on the installed software and is not covered by this document.

2. Download Push-Button

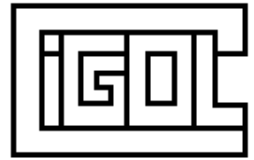
A push button on the front panel can be used to force the software to enter download monitor mode when power is applied. This push button is only monitored as part of the power up sequence of the VCP-800.

3. Power Supply.

The VCP-800 requires a +24V ($\pm 10\%$) smoothed dc supply for correct operation. Typical worst case current consumption is less than 500mA.

4. Mechanical Details.

The VCP-800 has external dimensions (excluding mounting clips) of $170 \times 160 \times 54$.



5. Software.

The VCP-800 can be supplied with software to suit all forms of vacuum pumping configurations including diffusion pump, turbo pump and cryo pump (including regeneration)