

Electronic Metering Controller

Provides optimum motor speed control based on your desired flow and pressure ratings.



Start-up menu for the touch-screen model.

Control Freak is an exclusive new electronic controller that provides motor speed control for Hydra-Cell Metering Solutions pumps (or Hydra-Cell bare shaft pumps for metering). It features built-in programming and is available in a web-based format or with an easy-to-use touch-screen display.

You can enter the desired flow rate or volume in gallons or liters and system pressure in psi or bar, and the controller automatically runs the pump manually at the desired flow rate or volume total/time, or in pre-set batches.

This versatile electronic controller allows programming for the flow rate or for totalization of the recent process application as well as the life of the pump.



Web-based version operating from a tablet.



Control Freak is designed for Hydra-Cell Metering Solutions P Series pumps and the MT8 triplex pump.

Touch-screen Model

The touch-screen model can control up to six (6) Hydra-Cell Metering Solutions pumps. (Each pump requires its own VFD

and I/O module.) The 7-inch color graphic touch-screen user interface is provided in a NEMA-4X enclosure.



Opening screen - touch to activate.



Start-up menu options.



Sample menu for batch operation.

Web-based Model

The web-based model can control an unlimited number of Hydra-Cell Metering Solutions pumps (each requires an additional VFD and I/O module). It is accessible through phone/mobile devices, tablets, and desktop and laptop computers.

Exclusive performance features with the web-based version include two-pump proportioning, inputs for leak detection and oil level monitoring, maintenance reminders, and updates via thumb drive.



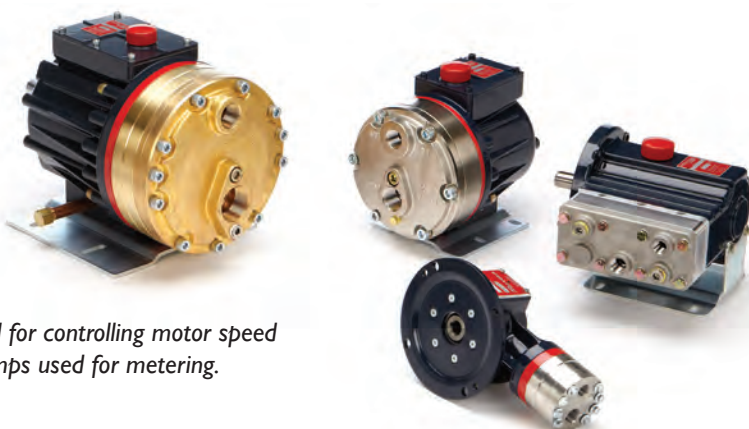
Both the touch-screen and web-based Control Freak are supplied with a VFD kit that includes an I/O module, VFD, cable, and wiring. A VFD kit is needed for each additional pump to be run from one Control Freak.



Electronic Metering Controller

Performance Features	Web-based Version	Touch-Screen Model
Accessible through phone/mobile devices, tablets, laptops, and desktops.	✓	
Can control an unlimited number of Hydra-Cell metering pumps (requires additional VFDs and I/O modules).	✓	
Can control up to six Hydra-Cell metering pumps (requires additional VFDs and I/O modules).		✓
7" color graphic touch-screen user interface in a NEMA-4X enclosure - easy to operate and visible in low-light areas.		✓
Emergency stop safety feature.	✓	✓
Two-pump proportioning.	✓	
Maintenance reminders.	✓	
Updates through thumb drive.	✓	
Safety features for loss of power and fault monitoring.	✓	✓
Variable Frequency Drive (VFD).	✓	✓
Pre-set (with password protection) for Hydra-Cell pump performance algorithms - can also be field-calibrated for greater accuracy.	✓	✓
Input for leak detection	✓	
Input for oil level monitoring	✓	
Input for temperature probe monitoring.	✓	✓
Pump-drive information screen.	✓	✓
Four configurable on-off relays.	✓	✓
Ten separate batch set-up screens per pump.	✓	✓
Four user-configurable analog inputs.	✓	✓
Analog and digital I/O for interfacing with external devices.	✓	✓
One analog input dedicated to a pre-programmed closed loop feedback.	✓	✓
Includes real-time clock.	✓	✓
Versatile - enables programming for flow rate or totalization.	✓	✓

Options	Web-based Version	Touch-Screen Model
Additional I/O terminals (two digital outputs for interface with VFD).	✓	
Ethernet interface with phone/mobile devices, tablets, laptops, and desktops.	✓	
Ball-mount assembly.		✓
VFD enclosure.	✓	✓
Additional cables.	✓	✓
Oil temperature probe kit.	✓	✓
Emergency stop button kit.	✓	



Control Freak can also be used for controlling motor speed with Hydra-Cell bare shaft pumps used for metering.

Hydra·Cell[®]

METERING SOLUTIONS™

Wanner Engineering, Inc.

World Headquarters & Manufacturing

Wanner Engineering, Inc.
1204 Chestnut Avenue,
Minneapolis, MN 55403 USA
Phone: 612-332-5681 • Fax: 612-332-6937
Toll-Free Fax (USA): 800-332-6812
Email: sales@wannereng.com
www.Hydra-Cell.com

Regional Office

207 US Highway 281
Wichita Falls, TX 76310 USA
Phone: 940-322-7111
Toll-Free: 800-234-1384
Email: sales@wannereng.com
www.Hydra-Cell.com

Latin American Office

R. Álvaro Anes, 150 Bairro Campestre
Santo André/São Paulo, Brazil - CEP 09070-030
Phone: +55 (11) 4081-7098
Email: mmagoni@wannereng.com
www.Hydra-Cell-Pumps.com.br

Wanner International Ltd.

Wanner International, Ltd.
Hampshire - United Kingdom
Phone: +44 (0) 1252 816847
Email: sales@wannerint.com
www.Hydra-Cell.co.uk

Wanner Pumps Ltd.

Wanner Pumps, Ltd.
Kowloon - Hong Kong
Phone: +852 3428 6534
Email: sales@wannerpumps.com
www.WannerPumps.com

Shanghai - China
Phone: +86-21-6876 3700
Email: sales@wannerpumps.com
www.WannerPumps.com