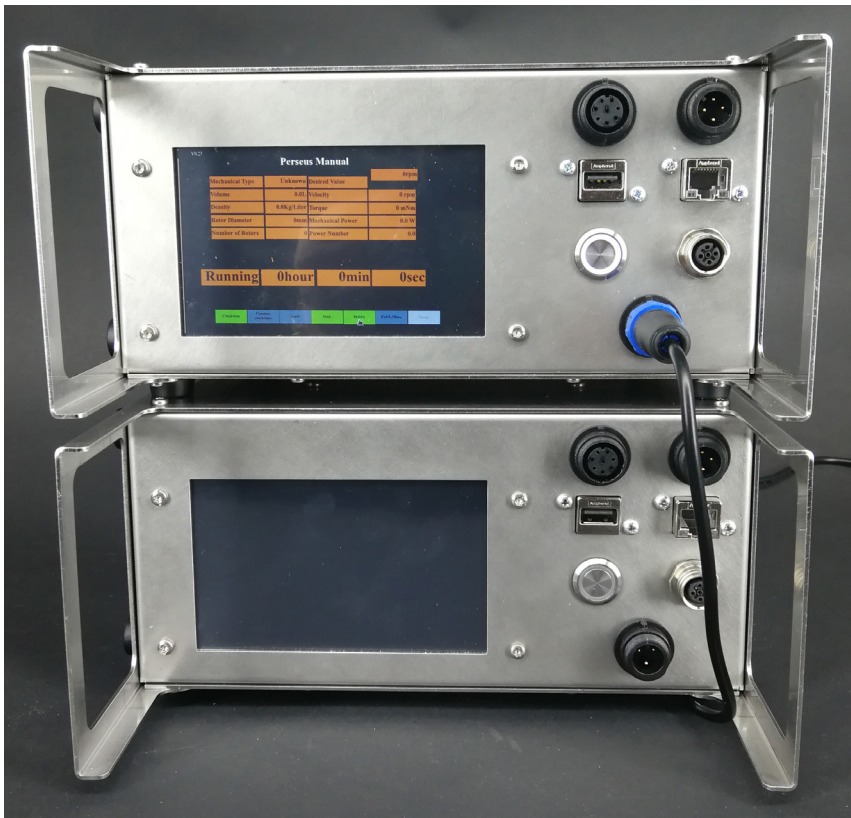


# Stand-alone CE approved Motor- Drive-System's (MDS)



Stack Of Perseus

- Drive of any STR, SUF, SUB, SUM equipped with Head-Plate-Drive (HPD)
- Drive of Magnetic-Stirrer-Table (MST) from CerCell

### Perseus product package consist of:

- One compact Motor-Drive-System's (MDS) integrating the Apollon PLC and CANbus connected intelligent miControl servo motor controller, mini-UPS all packed into the Hephaestus U2 cabinet
- One German quality Zeitlauf/Papst brushless 24 VDC, 90 watt servo motor with 1:3.2 planetary gear rated at 0 - 1,200 RPM and 1 Nm torque.

### Monitor display real-time info

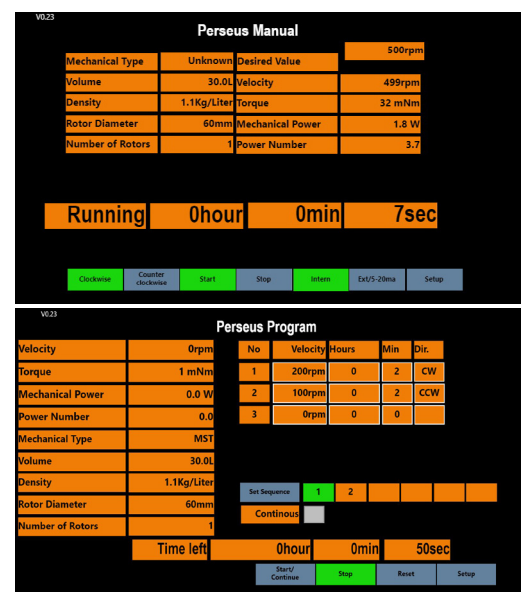
- The Hephaestus cabinet facilitate a build-in 5" touch sensitive TFT colour display for real-time information of: actual RPM, direction CW or CCW, delivered actual consumed watt. Integrated UPS and RAM for data collection to be dumped on USB memory stick.

### In front switches and connectors

- Power breaker for power on/off
- USB and RJ45 sockets
- Power supply by Zephyros 24 VAC, 6 amp module
- Dual Buccaneer sockets for DC servo motor connections (drive power and encoder signal)
- M12 socket for 4-20 mAmp external RPM control signal input

### Communication with external devices

- Programming from PC, PADs or smart-Phones via Wi-Fi and info from the built-in webserver
- USB port for CodeSys software upgrades or Wi-Fi router connection or data dump
- RJ45 port for LAN, IP/TCP connection with external PLC or with PCS via ModBus or OPC platform
- Data collection / acquisition via OPC platform to PC
- External control via a 4-20 mAmp signal



Screen dumps from Perseus software. After initial setup a huge variety of options is possible.

Perseus Manual Control (Top)

Perseus Programmed Control (Bottom)

# Designed to establish Power Numbers of any impeller and turbine system



## Programming is simple:

1. Select CW or CCW
2. Select internal control of RPM or external RPM control (4-20 mAmp input)
3. Select calibration together with combined drives (like MST or HPD)
4. Select a range of individual programs for RPM, time and sequence
5. Select enable for on/off



Perseus servo motor installed on MST with 3,2 liter SUB. MST and servo motor. Setup with servo motor on HPD adaptor as on SUFs larger than 5,7 liter.

Perseus Driving Lowrider On MST (Left)  
Bactovessel HPD Driven (Right)

**Cronus-PCS**

**Find all  
the information  
you need here**

**[cronus-pcs.com](http://cronus-pcs.com)**

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