

# Cilix for Power Number's

World only digital dual servo motor driver

Digital dual channel Motor-Drive-System's (MDS) for agitation of small-to-medium size (0.5 – 5 liter) SUBs (Single-Use-Bioreactor) and in particular P-SUBs (Perfusion-Single-Use-Bioreactors).

## Cilix product package consist of:

- One compact Motor-Drive-System's (MDS) integrating the Apollon PLC and CANbus connected intelligent servo motor controller, mini-UPS all packed into the Hephaestus U2 cabinet with TFT display for local or external operation via Modbus/TCP/OPC or Wi-Fi.
- Drive of two BLDC servo motor's operating from 30 to 1,200 RPM equipped with ID30 adapters. Motor sizes either 50 watt NEMA-17 or 10 watt NEMA-13.
- Both motors available with gearbox for low RPM application
- Two cables 1 meter long as standard (other length available)



*Cilix are designed to drive independently two Brush-Less-Direct-Current (BLDC) servo motors. Mix as needed for drive of two SUBs, SUF, SUMs. Shown with ID30 adaptor.*

## Specification of the Cilix

- One Hephaestus cabinet size U2, dim: L230, W230, H110 mm, weight 4 kilo, AISI 304
- Two in parallel operating NEMA-13 and/or NEMA-17 size BLDC motors
- Build-in noise damping, RPM controlled fan
- Operates on 24 VDC from external power supply 110-230 VAC 50-60 Hz
- RJ45 port for LAN, IP/TCP connection with external PLC or with PC via ModBus or OPC-UA platform
- Data collection / acquisition / control via OPC-UA (alternatively to Cassiopeia platform) supporting operating software like DasWare or Lucullus or DeltaV
- USB port for CodeSys software upgrades or Wi-Fi router connection or data dump
- CE marked and IP 31 rated
- Cronus-PCS 5" touch sensitive display
- Dual easy push-pull RS-SF20 couplings – one for each servo motor
- Buccaneer socket for power input

February 2023, ver 1.3