WANNER Hydra-Cell®
Seal-less Pump Technology

Electronic Flow Rate Controller

CE

Decentralised Drive Technology

New!

Hydra-Cell pumps are now available with electronic controllers that utilise decentralised frequency inverters for flow rate control. They are optimally designed to match the range of pumping applications required, making the new controllers an economical choice for flow rate control.

Easy to operate, the controllers feature all standard drive functions within a consistent parameter structure and all current field bus systems. Basic functions include:

- Integrated 24V power supply
- Line filter Class C2
- Switchable parameter sets
- Process controller / PID controller
- Automatic flux optimisation (energy saving function)
- IE2 standard; IE3 on request
- With the keypad option, flow rate can be displayed
- The Hydra-Cell's flow rate accuracy means that "open loop" metering and dosing can be achieved without the need for a flow meter

The electronic flow rate controller optimises performance on Hydra-Cell pumps.

EAC Version 1. 11/15

Wanner International Ltd.
www.hydra-cell.eu

WANNER Hydra-Cell® Seal-less Pump Technology

Electronic Flow Rate Controller with Decentralised Drive Technology

Performance Features

- 0.25kW & 0.37kw / 3 Phase / 200-240V + 10% / 47 - 63Hz
- 0.55kW - 22kW / 3 Phase / 380-500V -20% / +10% / 47 - 63Hz
- 4-pole & 6-pole motor options
- 4 x Digital Inputs and 2 x Digital Outputs
- 1 or 2 x Analogue Inputs
- Sensor-less current vector control (ISD)
- Plug-in memory storage module (EEPROM)
- Immediate-access RS232 diagnostic interface
- IP 66 as standard
- Ambient temperature range from 0˚C to 50˚C
- ATEX Zone 22 3D for harsh ambient conditions
- Naturally cooled or force cooled options
- Laptop software for Control, Parameterisation & Diagnosis

Flow Rate Control Options

On-board single or twin potentiometers for local flow rate change.

On-board keypad control (SetpointBox) with flow rate display and password protection options

Hand-held keypad control allows for flow rate change by authorised personnel only.

Communications

- ProfiBUS
- ProfiNet
- EtherNet IP
- EtherCat
- CANopen
- DeviceNet
- Setpoint Converter

A variety of communication interface devices are available to meet different protocols or control specific functions.

WANNER ENGINEERING
WORLD HEADQUARTERS & MANUFACTURING
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

WANNER ENGINEERING
Latin American Office
t: +55 (11) 4081-7098
e: sales@wannereng.com

WANNER INTERNATIONAL
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

WANNER PUMPS
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

WANNER PUMPS
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com

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OFFICIAL UK DISTRIBUTOR:
Michael Smith Engineers Limited
www.michael-smith-engineers.co.uk
freephone: 0800 316 7891