

100 StP 1408rpm
48Hz



Eco-Flow-C[®]
AC Drives for Commercial Pools & Spas



Eco-Flow® Products:

SO SMART, YET SO SIMPLE.

Introducing the Eco-Flow-C® Variable Frequency Drive from H₂flow. Eco-Flow-C® drives combine functionality, quality, and reliability, to provide the user with an unparalleled VFD experience. Fully configured for the pool & spa industry, Eco-Flow-C® drives offer an array of unique features to ensure complete optimization of pool pumps,

while also maintaining ease of operation and user-friendliness.

Ideally suited for 3-Phase centrifugal pool pumps ranging from fractional thru 1,250 horsepower, Eco-Flow-C® drives are capable of handling practically any recreational water application, e.g., pools, spas, fountains, and various other types of water features.

Plus, Eco-Flow® variable speed AC drives are backed by our combined 100-plus years of experience with monitoring and controlling pumps. H₂flow is the only manufacturer in the pool industry that is totally dedicated to this technology.



OPTIMIZE VERSATILITY. REDUCE OPERATING COSTS.

Eco-Flow-C® offers a wide array of unique features and benefits for pool & spa applications including load curve monitoring and constant flow features.

Eco-Flow-C's® patented 'Load Curve' monitoring feature protects the pump and system from abnormal operating conditions. During its 'AutoSet' procedure, the system automatically measures the shaft power taken at nine incremental points between the minimum and maximum speeds to be used. From these measured data points, the system creates a 'normal' pump curve and applies both overload and underload protection in order to detect abnormalities such as closed valves, cavitation, worn impeller, run dry, loss of prime, bad bearings, etc.

While running the pump at a lower speed will achieve a significant reduction in operating costs, Eco-Flow-C® can further optimize the circulation system's performance by utilizing its powerful 'Constant Flow' feature. Precise control of the flow rate will ensure that the state's mandated turnover rate is maintained - even as the filter becomes dirty. As an added safety measure, the system will not allow the pump to over-speed and will go into a visual alarm condition should it determine that the filter needs to be backwashed.



BUILT TO MEET YOUR NEEDS.

The rugged and durable NEMA 12 construction of Eco-Flow-C® makes it ideal for the hostile environment of a pool equipment room.

Over time, chemical gases will destroy electronic circuits that are not fully sealed and protected from such an unforgiving environment. With more than 30 years of exposing our VFDs to some of the harshest industrial environments around, you can be sure that your investment will withstand the test of time - hence our unparalleled 3-year warranty on Eco-Flow-C®.

In addition to a wide array of impressive features and benefits, Eco-Flow-C® also serves up some convenient setup tools. A detachable keypad allows for quick and easy setup of multiple drives and the H₂flow Aquatic Controller makes setup of individual units a breeze.



Above: detachable Eco-Flow-C® keypad makes setup of multiple units quick and simple.

SIMPLICITY IN ITS MOST ADVANCED STATE.



Above: Eco-Flow-C Aquatic Controller.

Think for a moment about how simple it is to drive your car. If it wasn't as easy as putting your car in Drive and stepping on the gas, you might have some reservations about getting behind the wheel. That's the philosophy we take with our products too - and Eco-Flow-C® is no exception.

Despite all of its advanced features and functionality, Eco-Flow-C® couldn't be easier to use. We wanted to make sure that it's as easy to setup and use as possible, and our Aquatic Controller assists in making this vision a reality. Once the unit is installed, the user is asked to enter a few simple parameters into the Aquatic Controller to complete setup. It's that simple!

FEATURES & BENEFITS

- Rugged NEMA 12 Construction
- Aquatic Controller with Modbus Communication
- Two Programmable Speed based on Real Time Clock Setting
- Constant Flow based on either Pressure or Flow Sensor Input
- Programmable backwash for Manual and Automatic Systems
- Pump Dry Run and Cavitation Protection
- Worm Pump Impeller Detection
- Closed Suction / Discharge Valve Detection
- Loss of Prime Detection
- Soft Start / Stop
- Supply Voltage: 3 x 208-230
- Supply Voltage: 3 x 480
- Lightning Arrestor available
- VFD Power Loss Protection
- Built-in DC Bus Filter
- Copying of VFD settings via detachable keypad
- Multi function readout (i.e., run time, consumed power, speed, etc.)

NOTES:

PRESENTED BY:

For more information about Eco-Flow-C®
scan the code below using your smart
device or visit www.h2flow.net

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