



Eco-Flow®-F
Variable Speed Drives for fountains

**A PREMIUM VFD FOR COMMERCIAL
FOUNTAIN CONTROL**



Built for Purpose





SO SMART, YET SO SIMPLE

Introducing the Eco-Flow®-F Aquatic Variable Frequency Drive (VFD) for commercial and residential fountain control.

Eco-Flow®-F combines functionality, quality, and reliability to provide the user with an unparalleled VFD experience. Fully configured for control of fountains, Eco-Flow®-F offers an array of unique features to ensure complete optimization of fountain pumps while also maintaining ease of operation and user-friendliness.

Eco-Flow®-F is designed for 3-phase (or to convert single-phase power to 3-phase power for 3-phase) centrifugal pumps ranging from fractional thru 100 horsepower.

KEY FEATURES

- Fixed speeds 24hr
- Fixed speed daytime / fixed speed nighttime
- Six programmable steps with ramp-up or ramp-down or constant speed
- Two preset wind speeds for inclement weather situations
- Rugged NEMA 12 construction
- Aquatic Controller with Modbus communication
- Interface to Building Management System for monitoring and control
- Pump dry run and cavitation protection
- Worn pump impeller detection
- Closed suction / discharge valve detection
- Loss of prime detection
- VFD power loss protection
- Soft start / stop - extended equipment life
- Installer programmable
- Password protected - prevents unauthorized tampering
- Multi-function readout (i.e., run time, consumed power, speed, etc.)

COMPLETE CONTROL

Utilizing the widely acclaimed Eco-Flow®-C platform, the Eco-Flow®-F adds a different dimension to fountain control.

By varying the fountain pump speed, the Eco-Flow®-F provides an affordable method of producing an aesthetic water feature display for existing or new installs of commercial or residential applications that the installer can program without the need for a factory representative to be on-site.

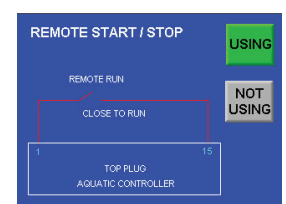
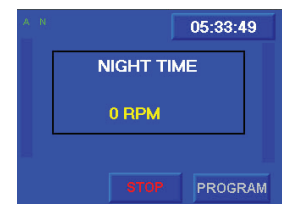
The intelligent Eco-Flow®-F Fountain Controller can easily be programmed for a fixed 24-hour display, a fixed daytime and nighttime display set by a real-time clock, or in six steps with an optional nighttime speed for quiet operation.

Relay outputs can be used to control lighting to enhance visual experience.

INTELLIGENT

Complete control of fountain applications couldn't be easier, thanks to the Eco-Flow® Fountain Controller.

Customizing fountain appearance, hours of operation, auto shutdown for inclement weather and much more, can be easily achieved via the user-friendly touchscreen.



SPECIFICATIONS

INSTALLATION ENVIRONMENT	Indoor, wash down, corrosive gases possible
SUPPLY VOLTAGE	3 x 208/230V +/- 10%, 3 x 480V +/- 15%
HP RANGE	1 - 100 HP
CONSTRUCTION	NEMA 12
OPERATING TEMPERATURE	32 - 104°F (122°F with de-rating)
SUPPLY FREQUENCY	50 - 60 Hz
RELATIVE HUMIDITY	90% or less
MAXIMUM ALTITUDE WITHOUT DE-RATING	3,280 ft. De-rate by 1% for every 328 ft. above this. Maximum 13,123 ft.
OUTPUT VOLTAGE	0 - Mains supply voltage
RATED OUTPUT CURRENT	Current rating of VFD, 120% overload for one minute
VFD EFFICIENCY AT NOMINAL LOAD	97%
SPEED CONTROL	Via Eco-Flow® Controller. Programmable speeds based on time
COMMUNICATION PROTOCOL BETWEEN VFD AND ECO-FLOW® CONTROLLER	Modbus

AQUATIC DRIVES FOR POOLS & SPAS

Looking for a drive for control of commercial pool and spa pumps? Ask us about Eco-Flow®-C.

Eco-Flow®-C is a premium VFD that was specifically developed for unparalleled control of commercial pools and spas. By combining functionality, quality, and reliability, Eco-Flow®-C provides the user with a unique experience that combines complete optimization with ease of use.

TEL: 888.635.0296 • www.h2flow.net

AQUATIC AC DRIVES • FLOW METERS • ANTI-ENTRAPMENT DEVICES