



AQUAVAR® IPC

VARIABLE SPEED DRIVE



AQUAVAR IPC Variable Speed Drive (VFD)

brings the latest in pump drive technology and programming. The drive and interface are designed to give you advanced capabilities that help you effectively and efficiently operate your system.

Optimized for Pumps

- Wide range of standard and permanent magnet motors with power up to 600HP/90kw
- Developed by pump experts and optimized for controlling pumps
- Submersible and above ground applications

Quick Set-up and Ease-of-Use

- Easier start-up and programming with Start-Up Genie
- Two wire multi-pump connection for faster installation
- Hand On, Off, and Auto On buttons available for easy pump operation at the keypad. No toggling between local and remote operation

Helping to Improve Your Performance

- Multi-pump configuration for up to four (4) pumps - no need for PLC
- System redundancy with multi-master control in case of drive failure



Commercial Water

Standard for Every Drive

- Wide range of voltage and enclosure options
- True 208V coverage
- Dedicated single phase input
- Remote commissioning and monitoring with USB connectivity and software
- In-panel or handheld keypad with backlit display
- Alarm Log for last 5 alarms and maintenance events
- EMC/RFI filters and Dual DC-link reactors to reduce drive noise emissions and interference
- I/O expansion cards, factory installed or field configured

It's an Easy Start with the AQUAVAR Genie

The AQUAVAR VFD Start-Up Genie quickly and easily guides you through setup in as little as 15 minutes. Asking for only the required parameters, the Start-Up Genie will automatically configure your set up to the optimal settings for the specific application - eliminating the guesswork in set up. The AQUAVAR VFD can be

further customized through the Start-Up Genie for those applications with pump protections, I/O options, and multi-pump operation to get your pump system working just the way you need.

Energy Savings Potential

There are significant opportunities to reduce a pumping system's energy consumption such as through smart hydraulic system design, retrofitting for variable speed performance and operating practices. To build and operate an efficient water system, you need both the right products and experts who know the application. AQUAVAR IPC has been designed by Xylem's engineers with these things in mind and with the help of the AQUAVAR variable speed controller, you can optimize your pump operations and reduce your energy costs by as much as 70%.



SPECIFICATIONS

Indoor enclosures	IP20 Open, TYPE 1, TYPE 12	
Outdoor enclosures	TYPE 3R, TYPE 4X	
Input supply	1.5 - 600 HP (frame A - D) wall or base mounted	
Ambient temperature	14° F - 113° F (-10°C - 45°C). Higher temperatures can be achieved by derating the output amperage of the drive 10% for up to 122° F (50°C).	
Communication	MODBUS® RTU, Metasys N2, FLN, and BACnet standard. Others available with option cards	
Altitudes	At altitudes from 0 to 3300 feet (9-1000 meters) nameplate rated current is available. Derate for altitudes above 1000 feet (3300 meters) with a maximum operating altitude of 9900 feet (3000 meters). Consult factory for applications above 9900 feet (3000 meters)	
Relative humidity	Lower than 95% without condensation	
Electrical - input power	1 phase 200 V to 240 V ±10% 3 phase 380 V to 480 V ±10% 3 phase 200 V to 240 V ±10%	3 phase 525 V to 600 V ±10% Frequency 50 or 60 Hz, ±2Hz
Electrical - output power	3 phase from 0 to V supply	

Xylem Product Cybersecurity:

Xylem values your system security and the availability of your critical services. For more information on Xylem cybersecurity practices or to contact the cybersecurity team please visit xylem.com/security.



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