

# Aquavar CPC Variable Speed Pump Controllers



The Aquavar CPC is offered in a wall or floor mounted design up to 550 HP, 460 volt\*, single phase input up to 50 HP, 208 230 volt and three phase 208-230 volt up to 100 HP \*!  
The latest software provides more versatility and flexibility with centrifugal pump applications than ever before! With all the available Aquavar Products, Goulds Water Technology provides the pump professional with more options for a complete variable speed pumping system.

## Features and benefits

- Pump protection built in! Protects based on RUNDRY, “DEAD-HEADING”, CAVITATION and “RUNOUT” conditions.
  - Motor protection built in! Protects based on OVERCURRENT, OVER/UNDER VOLTAGE, PHASE LOSS, SHORT CIRCUIT, GROUND FAULT, OVERTEMPERATURE.
  - Built-in line choke. Similar to a line reactor, it provides the equivalent of 3% impedance against transient voltage spikes and surges. Reduces harmonic distortion.
  - EMC/RFI filters reduce drive noise interference and emissions.
  - Multi-Pump without additional PLC’s or controls. Automatic Lead-lag and alternation up to four (4) Aquavar controlled pumps.
  - MODBUS® compatible. MODBUS is standard protocol with SCADA networks.
  - Fixed speed control relays. Control up to three fixed speed pumps with one Aquavar CPC with programmable relays (additional motor starters required).
  - Help text and programming “Wizards” to assist with set up.
  - Pressure transducer with shielded cable included.
- Compatible with some older model Aquavars for existing multi-pump applications.
  - UL, CUL, CE approvals.
  - NEMA 1 standard design (indoor), with NEMA 12 and outdoor enclosures available.
  - Preventative maintenance reminders.
  - Dual pressure control with programmable differential pressure starting.

## Literature:

### Brochures

- [BRCPVFD R1 Variable Speed Product Line](#)
- [BRAQCPC R1 Aquavar CPC Variable Speed Centrifugal Pump Controller](#)
- [BRCPVFDSP R1 Línea de Productos de Velocidad Variable](#)
- [BRCPVDFDR R1 Gamme de produits à vitesse variable \(fr\)](#)

### Technical Brochures

- [BAQUACPC R2 Aquavar CPC VARIABLE SPEED CENTRIFUGAL PUMP CONTROLLER](#)
- [BCPVFDACC R1 CentriPro Variable Speed Controller Accessories](#)

### Installation/Operation Manuals

- [IM167 R7 Aquavar CPC](#)
- [IM250 R2 Aquavar CPC-FD Supplement Manual](#)
- [AQPCQR Aquavar CPC Quick Reference Start-Up Guide](#)
- [ADDEN600V R1 Aquavar CPC \(Centrifugal Pump Control\) 600 Volt Addendum](#)
- [CPC Multi Drive Setup](#)
- [ADAQCPC Modbus Aquavar CPC Instruction Manual](#)
- [Obsolete-IM043 AQUAVAR® Variable Speed Pump Control](#)
- [Obsolete-IM043S AQUAVAR® Controladores de bombas de velocidad variable](#)
- [Obsolete-IM043F AQUAVARMD Commande de pompe à vitesse variable](#)
- [Obsolete-IM098 AQUAVAR® Model 56 Controller](#)
- [Obsolete-IM098S Controlador AQUAVAR® Modelo 56](#)
- [Obsolete-IM098F Contrôleur AQUAVAR MD modèle 56](#)
- [Obsolete-IM154 R01 AQUAVAR](#)
- [Recinstall R1 Recommended Installation Aquavar CPC Typical Constant Pressure Booster System](#)

### Specifications

- [AQPCSPEC CPC Engineering Specifications](#)
- [AQENGSPEC Aquavar Engineering Specifications](#)

### Performance Curves

- [Obsolete-Variable Speed Curves 2007 Goulds Pumps 4” Submersibles used with Variable Speed Pump Controllers such as the Balanced Flow or Aquavar CPC.](#)

### Drawings

- [SubInstall R1 Aquavar CPC Typical Submersible Constant Pressure System](#)

### Submittals

- [SAVCPC AQUAVAR CPC](#)