

Aquavar SPD Plus™



Easy to navigate keypad with QUICKSTART feature and pump specific language!

Aquavar SPD Plus offers higher horse power to meet the demand of the agriculture and irrigation marketplace.

Aquavar SPD Plus is a variable speed pump controller that allows easy installation with factory installed start-up assistant software, which simplifies the installation process. It is designed to work directly with centrifugal and submersible pumps with ease. SPD Plus has the true motor match feature which allows a 100 HP SPD Plus to run a 100 HP pump efficiently. Goulds Water Technology is an industry leader offering pumps and pump controllers with advanced technology, proven reliability, and full service on a complete line of products.

Features and Benefits

- **Energy Saving** – The SPD Plus is a true variable frequency controller which adjusts motor speed to match the hydraulic needs of the system and maintain pressure. Unlike valve controlled systems, the energy draw is substantially reduced during lower flow while operating the pump close to its best efficiency. Up to 70% energy savings over fixed speed pumps can be achieved.
- **Program the drive in just minutes** – Pre-set for submersible or surface motor characteristics. Pre-wired and tested transducer. Touch button pressure setting. No complicated menus or electrical programming to manage. Set up time including wiring can take as little as 30 minutes
- **Flexible enclosure offerings** – NEMA 3R – Outdoor rated enclosures rated to 122F, without derating the drive.
- **NEMA 1** – Indoor rated enclosure providing flexibility for use indoors or mounting within a user supplied enclosure. Load filter for NEMA 1 systems provided separately.
- **Dual Phase Input** – 230V drives can be used on either three phase or single phase power supplies. Drives are UL listed for either configuration.
- **Optional Integrated Load Reactor (NEMA 3R only)** – The NEMA 3R SPD Plus is available with output filter rated to 1000 feet of motor lead. Programming is also pre-set to 30 Hz minimum to protect motor bearing lubrication required by some motor manufacturers.
- **True Motor Match** – The SPD Plus is rated for the higher amp requirements typical of submersible pumps. A 100 HP SPD Plus will run a 100 HP submersible pump!
- **Transducer** – As with all Goulds drives, the pressure transducer is included with the drive so there is no need for separate sourcing and compatibility checks. The transducer is pre-wired and tested, with internal case grounding!
- **Full Diagnostics** – In addition to typical electrical protection and diagnostics, the SPD Plus has a full range of pump protection features such as bound pump or motor shut down, low water or loss of prime shut down. These features require no added input devices.
- **Remote on/off** – Permits external control by timers (irrigation), float or pressure switches (tank draining) or manual control. Dry contact closure required.
- **Hand/Auto Option** – Allows the drive to be run at full speed without a pressure transducer for the purpose of new well development or system start up. Turning the control back to auto resumes the automatic pressure tracking and control.
- **Pressure Drop** – The reaction time of the drive to pressure drops can be adjusted from the typical 5 PSI drop to as much as 20 PSI. This allows for fewer starts with leaky irrigation systems.
- **No Water Restart** – The SPD Plus has the capability to adjust the time delay in between each “dry well” fault. Adjustable from 10 minutes to 1 hour between each restart. Ideal for low yielding wells.

Literature:

Brochures

- [BRSPDP R2 Aquavar SPD Plus](#)
- [BRSPDPSP R2 Aquavar SPD Plus \(sp\)](#)
- [BRCPVFD R1 Variable Speed Product Line](#)
- [BRCPVDFR R1 Gamme de produits à vitesse variable \(fr\)](#)
- [BRCPVFDSP R1 Línea de Productos de Velocidad Variable](#)

Technical Brochures

- [BCPVFDACC R1 CentriPro Variable Speed Controller Accessories](#)

Installation/Operation Manuals

- [IM247 R02 SPD PLUS Centrifugal Pump Controller Quick Start Guide](#)
- [IM244R04 SPD Plus Variable Speed Pump Control](#)