

# AquaGuard

## Fire Pump Range

BS9251:2021



# AquaGuard

## Domestic & Residential Fire Pump Range

The AquaGuard range of residential and domestic fire pump sets are designed as a 'plug and play' solution for minimal installation time on site. All fire pumps fully comply to BS9251:2021 for Sprinklers or BS8458:2015 for Water Mist.

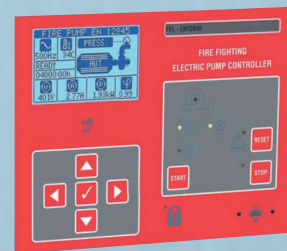
- Skid Mounted for Easy Installation
- Innovative Control Panel with LCD Display
- LPCB Approved Twin Pressure Switches.\*
- BS EN 12259-2 Approved Flow Switch.\*
- LPCB Approved Fire Rated Cable
- Pre-commissioned and tested In-house with test report provided with each pump set.
- 230v Single Phase or 400v Three Phase pumps with individual phase monitoring.\*
- Tank level switch input standard on all pump sets and monitored delivery valve standard on category 2,3 and 4 pump sets.\*
- Weekly automatic testing via solenoid valve output to ensure correct pressure switches operation.
- Premium Components with WRAS Stainless Steel Pump and Stainless Steel Manifold.
- All components are wired failsafe normally closed\*

\* As per the requirements of BS9251:2021

The AquaGuard range of fire pumps has an innovative digital control panel that monitors all aspects of the fire pump with the option of monitoring tank level switches, monitored delivery/suction valves, controlling a priority demand valve and many other ancillary components via digital inputs/outputs with clear text display of operation.

The control panel screen displays vital operational information in realtime like operating mode, pressure switch and pump status, voltage, faults, alarms and more.

Further details of the AquaGuard controller are listed on the next page.



Option to add remote monitoring via integrated ethernet or GSM expansion modules.

Physical automatic testing via built in 1/2" solenoid valve

Innovative control panel with digital LCD display

LPCB and FM approved twin pressure switch with independent internal switches

BS EN 12259-2 Approved Flow Switch

Premium components with stainless steel pump and manifold

Skid mounted compact design



# AquaGuard

## Domestic & Residential Fire Pump Range Controller

The AquaGuard fire pump controller has been designed to control the operation, monitoring and automatic testing of the fire pump in accordance with BS9251:2021.

Incorporating an informative LCD display to assist programming and view/save event logs making the AquaGuard fire pump controller the most advanced on the market.

### Features

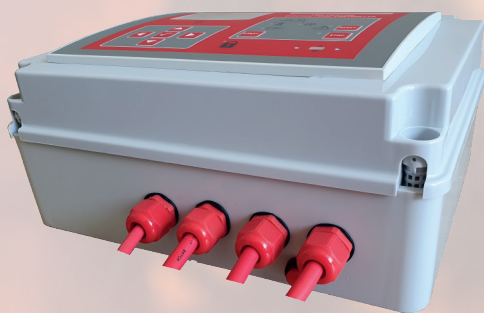
- Fully BS9251:2021 compliant.
- LCD display showing current, voltage, pump status, faults, alarms and more.
- Tank level switch input supplied as standard on all pump sets.\*\*
- Optional audible buzzer to alert of fault if unable to monitor fault contacts.\*
- Add additional inputs/outputs i.e priority demand valve, monitored valves etc.
- Weekly automatic testing via solenoid valve output to ensure correct pressure switches operation.
- All components are wired failsafe normally closed.\*\*

\* Audible buzzer will omit the fault output contacts.

\*\* As per the requirements of BS9251:2021

### Functions

- **Jockey Mode** - Upon pressure loss the pump will operate, if no flow is detected then pump will shut off after 1 minute, fault will indicate if jockey starts have exceeded daily limit.
- **Fire Mode** - If pressure loss and flow are detected pump will operate in fire mode until manually shut down.
- **Test Mode** - At a preset day/time the controller will open the solenoid valve until the pressure switches are activated and run the pump checking voltage/current are within set parameters.
- **Maintenance** - Maintenance interval is preset to every 12 Months but can be adjusted to suit specific interval requirements. Maintenance due indicator will require a physical flow test to reset.
- **Setup Mode** - All settings can be changed if required with the use of an advanced user password to prevent unauthorised access to settings.
- **Event Log** - Event log up to 128 entries can be accessed on the control panel.
- **Alarm outputs** - Pre-wired cable with normally closed NC fault contacts and normally closed NC fire/alarm contacts.



IP55 Rated enclosure to prevent water and dust ingress

Pre-wired with 2m of fire rated cable per connection

Bright LCD screen displaying pump information.

Easy to use interface to assist with setup up and maintenance.

LED status indicators and manual stop and reset buttons

