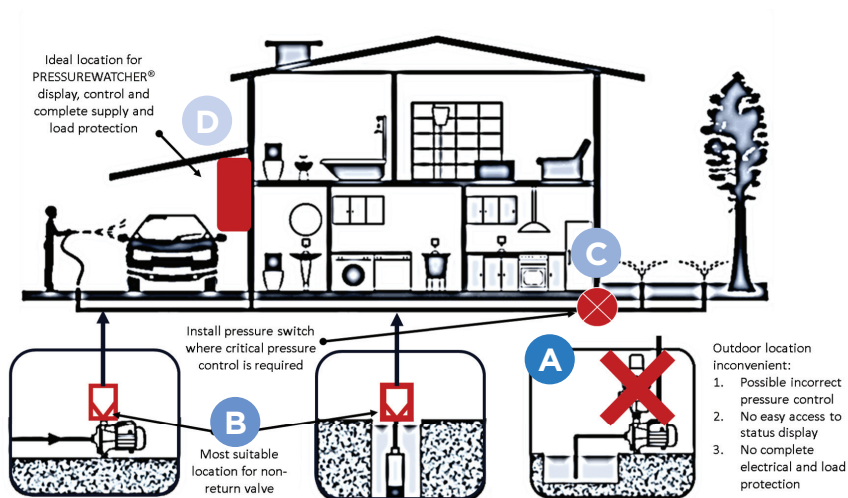


APRICUS-aqua PRESSUREWATCHER

Consider this **ALL-IN-ONE** solution that manages your water pressure **AND** protects you pump...



THE A, B, C OF PRESSURE SYSTEMS



The standard pressure controller has the display, non-return valve and pressure switch in one - I need the functions separated.



The non-return valve should be in the right place otherwise I may end up with drained piping.



The pressure switch must be located where the pressure in my piping is most critical.

I want to see what the status of my pressure system is without crawling on my knees or going outside.

PN278450(v3)

WHAT IS PRESSUREWATCHER?

PressureWatcher is a one model for all motor and pump sizes pressure management system with easy field presetting that also provides comprehensive motor and pump protection. The **PressureWatcher** is designed with simplicity, quality and value for money for maximum protection of motors and pumps. It is ideally designed for pressure system pump applications using all motor types. The simple 2-button process places the controller safely in preset mode for individual on site tuning to the correct operating parameters. Parameters are stored in the controller to provide the least amount of nuisance tripping with the widest possible supply voltage operating range, including bad power conditions.

When do I use PRESSUREWATCHER?

PressureWatcher is used when hassle- free pressure pump protection against electrical supply variations and varying pressure conditions are required while the managing the water system pressure. Installation requires a minimum amount of equipment to ensure that the preset parameters are within the motor and pump specifications.

Where do I use PRESSUREWATCHER?

PressureWatcher is suitable for all single and three phase borehole, surface and general water pressure applications, compatible with all borehole and other water pump controls where pressure control is required.

Why the PRESSUREWATCHER?

Pressure control switches with hysteresis as well as other pressure control devices require additional electrical protection to make sure that the pressure pump operates correctly and is protected against electrical supply fluctuations and abnormal rapid cycling, caused by faulty operation or system failure. In some cases an additional pressure tank may be required to eliminate rapid switching on and off of the pump. The **PressureWatcher** system works with a standard pressure switch, connected to the Switch input, is easy to install and reduces nuisance tripping to a minimum under bad electrical supply conditions. Operating conditions and diagnostics are visible on the simplified display, giving you peace of mind and warning you before you experience any damage or loss of water supply

TECHNICAL SPECIFICATIONS

The table below summarizes the technical specification of the **PRESSUREWATCHER**. Models may differ with respect to timer characteristics, detailed voltage transition points and current levels.

Single Phase - 230V Split Phase Motor (PSC) or Motor With Internal Capacitor	
Absolute Voltage Range	196V - 265V AC
Absolute Continuous Current	1A - 12A AC
Rating	Up to 1.5 kW
Capacitor	Select for motor size - contact motor manufacturer
Enclosure	ABS 160x220x70mm
Weight	1 Kg
IP Rating	IP43
Single Phase - 230V CSIR Motor (Capacitor Start Induction Run)	
Absolute Voltage Range	196V - 265V AC
Absolute Continuous Current	1A - 8A AC
Rating	Up to 1.1 kW
Capacitor	Select for motor size - contact motor manufacturer
Capacitor Relay Active	below 165V AC
Enclosure	ABS 160x220x70mm
Weight	1Kg
IP Rating	IP43
Three Phase - 400V	
Absolute Voltage Range	340V - 460V AC
Absolute Continuous Current	1A - 8A AC
Rating	Up to 1.5 kW
Enclosure	ABS 160x220x70mm
Weight	1Kg
IP Rating	IP43
Pressure Switch Compatibility	
PRESSUREWATCHER is compatible with any standard pressure switch suitable for the required pressure system operation, meeting the required pressure and allowing for hysteresis between cut-in and cut-out pressures.	

EN 55032 | CISPR 32 | SANS 60529

HOW DOES PRESSUREWATCHER DO IT?

Overload Control	Intelligent trip time variation adapts to the severity of the overload condition, prolonging operation.
Dry run, Underload and Blocked inlet control.	PressureWatcher detects inlet flow problems and will switch off within 20 seconds after detection.
Reset On Overload	Auto reset - no attention required
Switch Control	ON/OFF control by installed pressure switch
Pressure switch cut-in/out pressure	Set pressure switch to desired cut-in/out pressure. Typically 1.5 to 2.5 bar.
Rapid cycle protection	PressureWatcher will allow sufficient restarts if cut-in pressure is reached in less than 10 seconds after cut-out while protecting your system against rapid cycling

