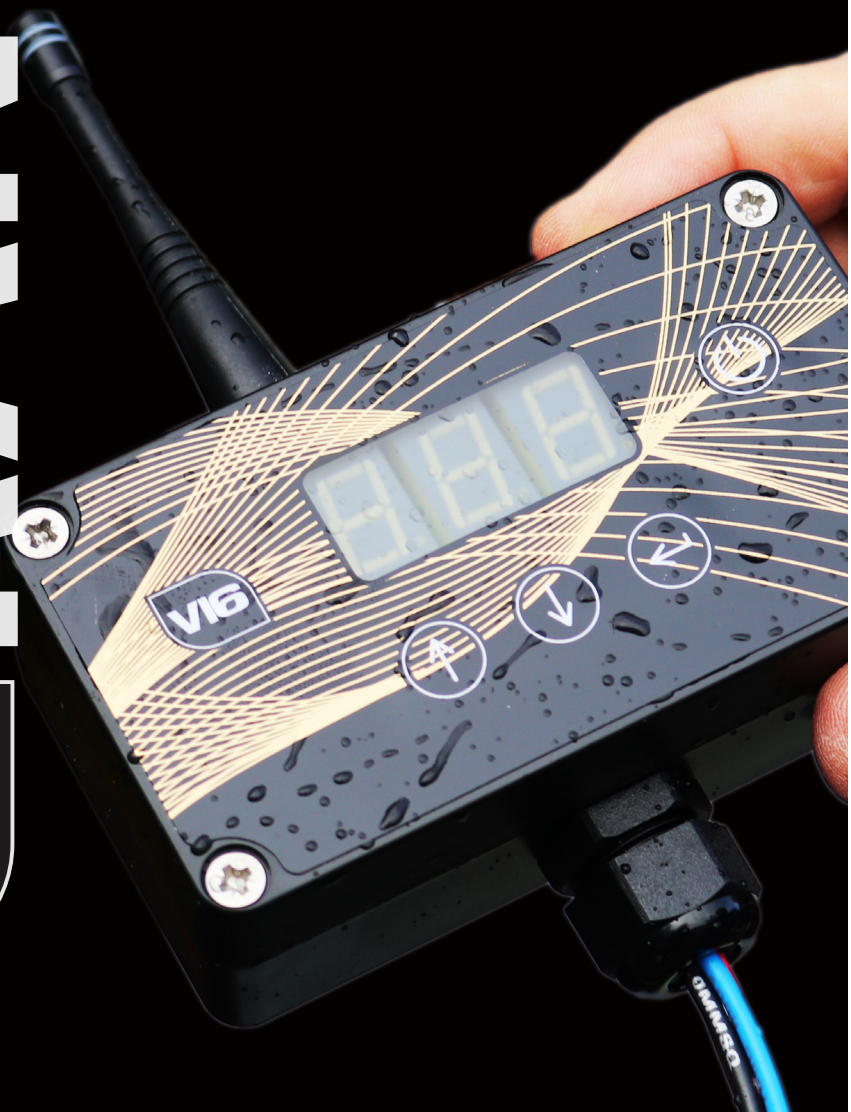


# vig® RANGE

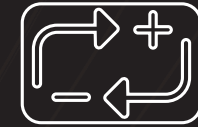


# THE V16 CONTROLLER



## PumpPrecision®

Thanks to the new pump control technology, the pump is monitored with far greater precision, saving water and energy, and offering faster and more accurate dead-end detection.



## PolarityProtect®

This feature means that the V16 will not be damaged if it is wired incorrectly; it simply will not work. Once it has been wired correctly, the unit will recover and work normally. (Applies to V16 only.)



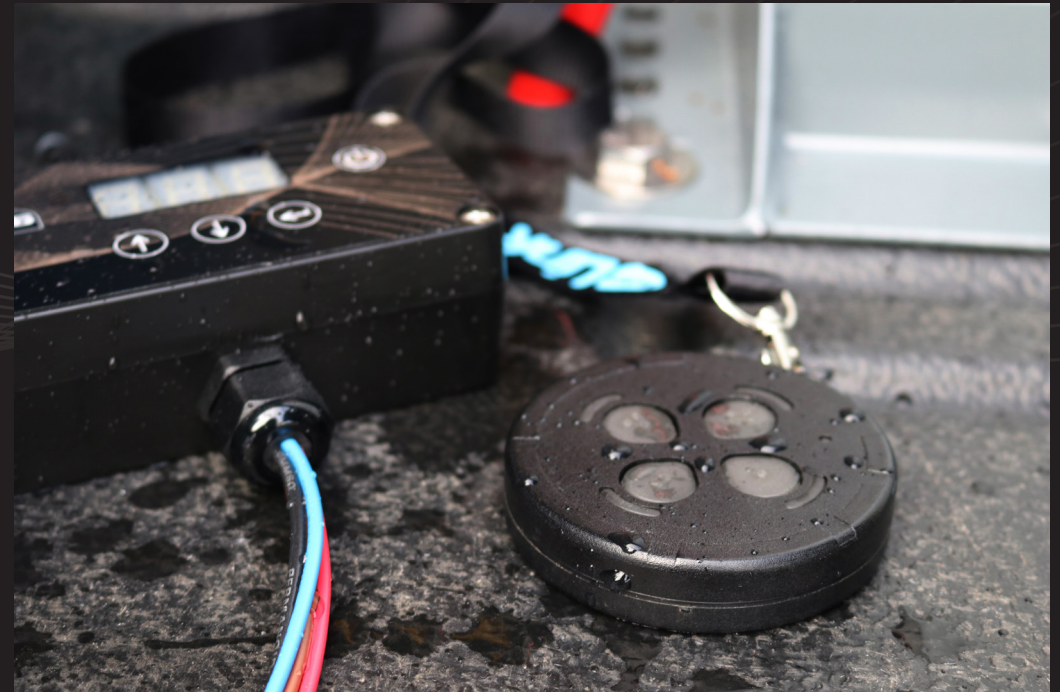
## PumpProtect®

Incorporating features such as dead end detection, pressure switch shutdown, over-current detection and short-circuit detection, the V16 protects the whole system and helps save power and water.



## PumpSmooth®

The advanced pump drive system runs the pump much more smoothly and quietly, and extends its life. With the V16 pumps can be driven slower, faster and harder than ever before.



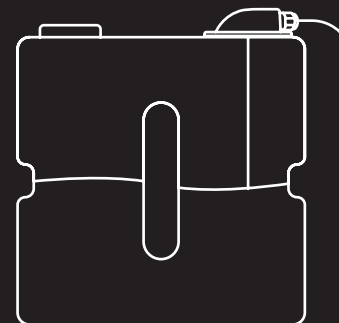
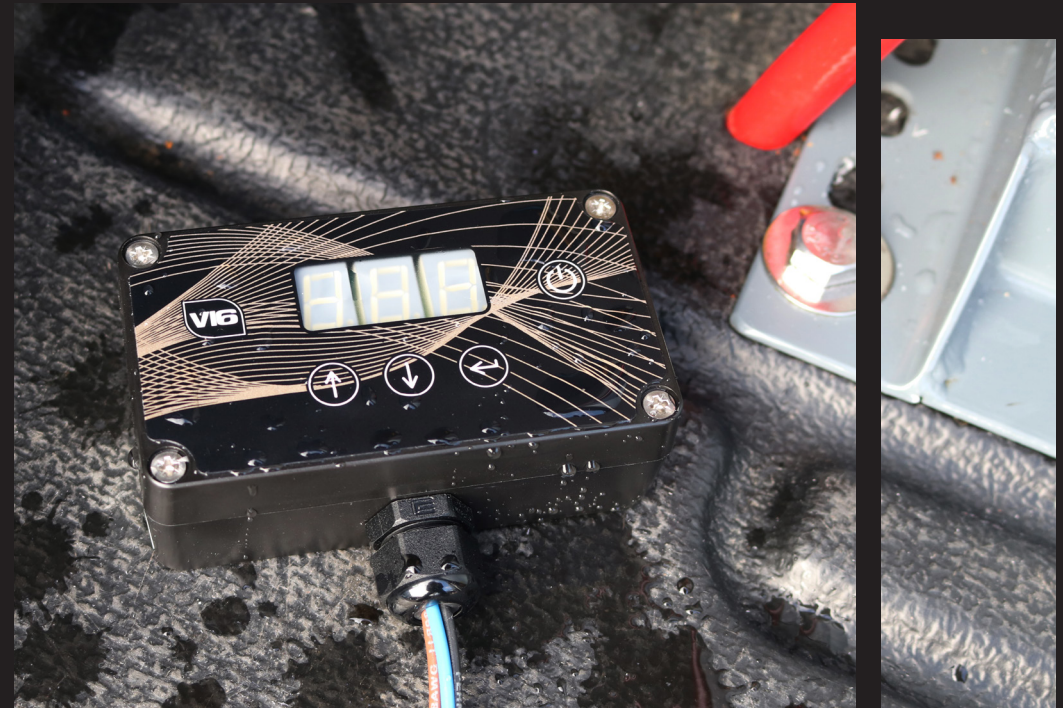
**WITH ALL NEW FEATURES**

## THE V16 PUMP CONTROLLER RANGE

A pump controller is essential to optimise the control of your WFP system and pump. It helps reduce both energy and water consumption by allowing you to choose the right flow, meaning you can clean more properties each day. As well as using the latest technology to ensure your pump runs as efficiently as possible, Spring pump controllers incorporate many features that prolong the life of your pump and enhance and protect your WFP system.

### V16 BASIC

For controlling standard current pumps of up to 15A (peak) powered by a +12V leisure battery. Allows you to vary the pump flow rate from 0-100%. Automatically pauses the flow when dead-end (eg from a pole valve) is detected and restarts it when dead-end has been removed. Indicates when the pressure switch has operated, and also the battery condition (voltage).



### LUMI-LEVEL

Provides all the same features and control as the V16 Basic model, *and* allows you to monitor the water level in your tank more accurately than an external glass sight gauge. Simply calibrate your Lumi-Level by entering three measurements and it will display the amount of water in litres in your tank. Mounts on the top of your water tank and must have a clear sight to the bottom of the tank (no baffles or obstructions). Comes with full fitting kit and instructions.



# LONG RANGE RADIO REMOTE CONTROL **WFP Link**

Provides all the same features and control as the V16 Basic model, *and* allows control of your system remotely via long range radio, so there is no need to return to your vehicle. Use the phone app or fob (remote) to change the flow from the other side of a building. Configure your fob buttons to suit your system.



# FILLING CONTROLLERS



## V16 AUTO FILL

Provides all the same features and control as the V16 Basic model, *and* controls the fill of your RO/DI system, so there is no need for you to stay with it. Start a fill using this controller and it will open the filling valve and then automatically close it when the float switch indicates the system is full.

## V16 AUTO FILL + FLUSH

Provides all the same features and control as the V16 Auto Fill, *and* automatically flushes the membrane. Regular flushes keep the RO in optimal condition (reducing DI resin use) and increase RO life. Flush can be set for the start of each fill or to repeat hourly. Includes single manual flush option at the press of a button.

## V16 DI SAVER

Provides all the same features and control as the V16 Auto Fill + Flush, *and* adds the ultimate solution to reducing your DI resin use. Rejects the high TDS water from your RO during a flush cycle by sending it to drain. This ensures only water at the lowest TDS possible enters the DI system, thereby maximising resin life.

# CONTROLLERS ALSO AVAILABLE INCLUDE:

## V16 TDS

Provides all the same features and control as the V16 Basic model, *and* controls the purity of the water for an effective spot free clean. Allows you to set a maximum TDS level, above which the delivery pump will stop automatically by monitoring the level as the water travels down the hose to the pole. Also displays TDS reading and water temperature.

## V16 HOT WATER

Provides all the same features and control as the V16 Basic model, *and* controls a Webasto or Eberspacher hot water system, allowing you to turn the hot water on or off when working. Also displays the cold water temperature. Can operate as a frost stat to turn on your heater and recirculate the water automatically when the temperature gets close to freezing.

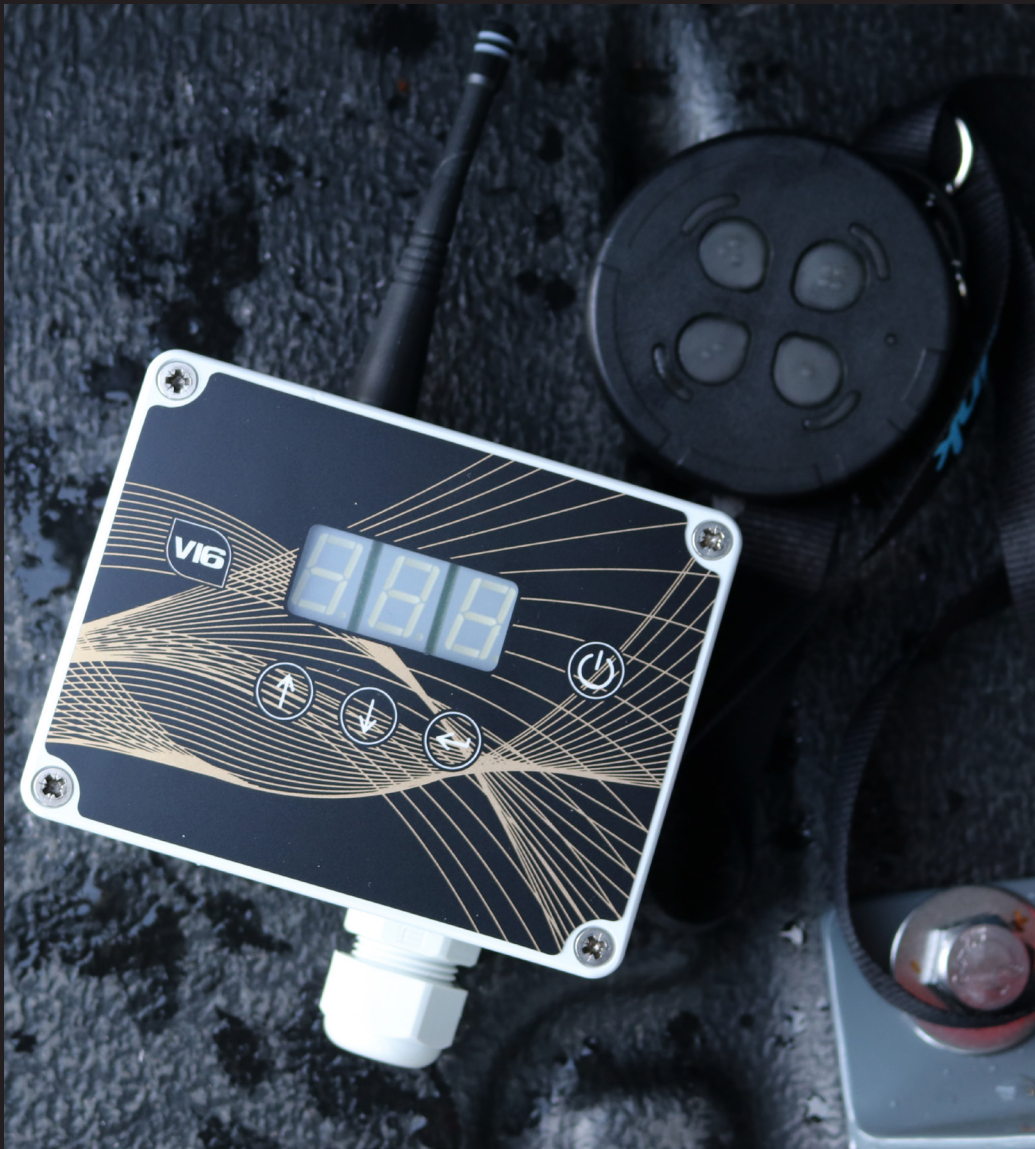
## V16 CHARGER

Provides all the same features and control as the V16 Basic model, *and* enables the charging of your leisure battery whilst your vehicle engine is running. Intelligently detects when the alternator is running and allows the alternator to charge the leisure battery, stopping it once the vehicle engine is turned off. Also displays van and leisure battery voltages.

## V16 FLOWMETER

Provides all the same features and control as the V16 Basic model, *and* allows you to monitor closely your water consumption. Displays the flow rate in litres per minute. Provides a total count of all water used by the system and a re-settable total that can be zeroed. Can be used for delivery or for water production water measurement.





# HIGH CURRENT CONTROLLERS

## V16 HC BASIC

For controlling higher current pumps of up to 35A (peak) powered by a +12V leisure battery. Allows you to vary the pump flow rate from 0-100%. Automatically pauses the flow when dead-end (eg from a pole valve) is detected and restarts it when dead-end has been removed. Indicates when the pressure switch has operated, and also the battery condition (voltage). Ideal for larger softwashing pumps.

## LUMI-LEVEL

Provides all the same features and control as the V16 HC Basic model, *and* allows you to monitor the water level in your tank more accurately than an external glass sight gauge. Simply calibrate your Lumi-Level by entering three measurements and it will display the amount of water in litres in your tank. Mounts on the top of your water tank and must have a clear sight to the bottom of the tank (no baffles or obstructions).



## V16 HC WFP LINK

Provides all the same features and control as the V16 HC Basic model, *and* allows control of your system remotely via long range radio, so there is no need to return to your vehicle. Use the phone app or fob (remote) to change the flow from the other side of a building. Configure your fob buttons to suit your system.



## V16 HC AUTO FILL

Provides all the same features and control as the V16 HC Basic model, *and* controls the fill of your RO/DI system, so there is no need for you to stay with it. Start a fill using this controller and it will open the filling valve and then automatically close it when the float switch indicates the system is full.

## V16 HC AUTO FILL + FLUSH

Provides all the same features and control as the V16 HC Auto Fill, *and* automatically flushes the membrane. Regular flushes keep the RO in optimal condition (reducing DI resin use) and increase RO life. Flush can be set for the start of each fill or to repeat hourly. Includes single manual flush option at the press of a button.

## V16 HC DI SAVER

Provides all the same features and control as the V16 HC Auto Fill +Flush, *and* adds the ultimate solution to reducing your DI resin use. Rejects the high TDS water from your RO following a flush cycle by sending it to drain. This ensures only water at the lowest possible TDS enters the DI system, thereby maximising resin life.







### V16 HC TDS

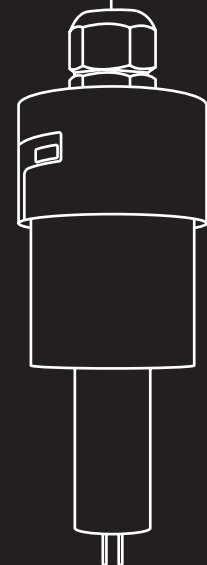
Provides all the same features and control as the V16 HC Basic model, *and* controls the purity of the water for an effective spot free clean. Allows you to set a maximum TDS level, above which the delivery pump will stop automatically by monitoring the level as the water travels down the hose to the pole. Also displays TDS reading and water temperature.

### V16 HC HOT WATER

Provides all the same features and control as the V16 HC Basic model, *and* controls a Webasto or Eberspacher hot water system, allowing you to turn the hot water on or off when working. Also displays the cold water temperature. Can operate as a frost stat to turn on your heater and recirculate the water automatically when the temperature gets close to freezing.

### V16 HC FLOWMETER

Provides all the same features and control as the V16 HC Basic model, *and* allows you to monitor closely your water consumption. Displays the flow rate in litres per minute. Provides a total count of all water used by the system and a re-settable total that can be zeroed. Can be used for delivery or water production measurement.



# V16 MAINS BOOSTER PUMP CONTROLLERS

Making your own water has never been easier with a Spring V16 M BPC (booster pump controller). Ideally suited to either home or industrial static RO/DI systems, and whether you are making water for one van or for ten, a V16 M BPC will help you to produce water effortlessly and cheaply whilst maintaining the membrane in optimal condition.



V16 M BPC | V16 M BPC FLUSH | V16 M BPC DI SAVER

## WARNING

This unit operates at 230 volts AC  
Disconnect the mains supply  
before removing this cover  
230VAC / 50Hz



DANGER

Risk of electric shock

## V16 M BPC

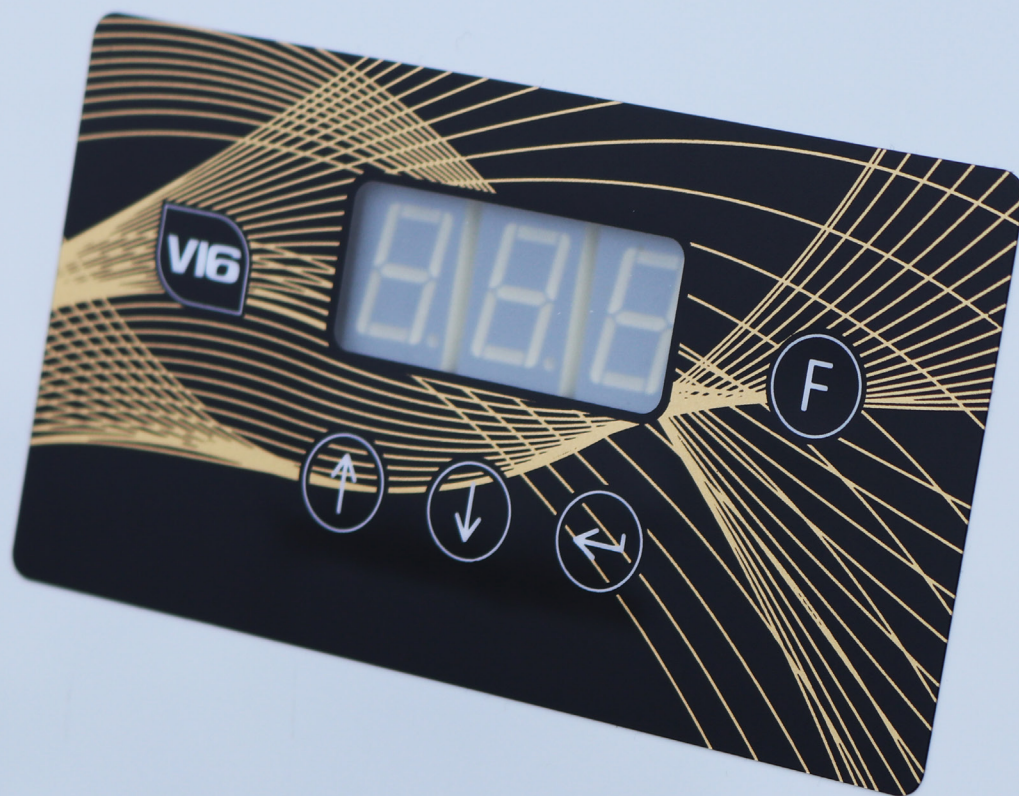
Controls the automatic filling of a static RO/DI system, so there is no need for you to stay with it. Start a fill using this controller and it will open the filling valve and then automatically close it when the float switch indicates the system is full. Can also control an optional booster pump during filling.

**ALSO AVAILIABLE WITH:**  
+ TDS FUNCTIONS AND/OR  
+ FLOWMETER FUNCTIONS

## V16 M BPC FLUSH

Provides all the same features and control as the V16 M BPC, *and* automatically flushes the membrane. Regular flushes keep the RO in optimal condition (reducing DI resin use) and increase RO life. Flush can be set for the start of each fill or to repeat hourly. Includes single manual flush option at the press of a button.

**ALSO AVAILIABLE WITH:**  
+ TDS FUNCTIONS AND/OR  
+ FLOWMETER FUNCTIONS



## V16 M BPC DI SAVER

Provides all the same features and control as the V16 M BPC Flush, *and* adds the ultimate solution to reducing your DI resin use. Rejects the high TDS water from your RO during a flush cycle by sending it to drain. This ensures only water at the lowest possible TDS enters the DI system, thereby maximising resin life.

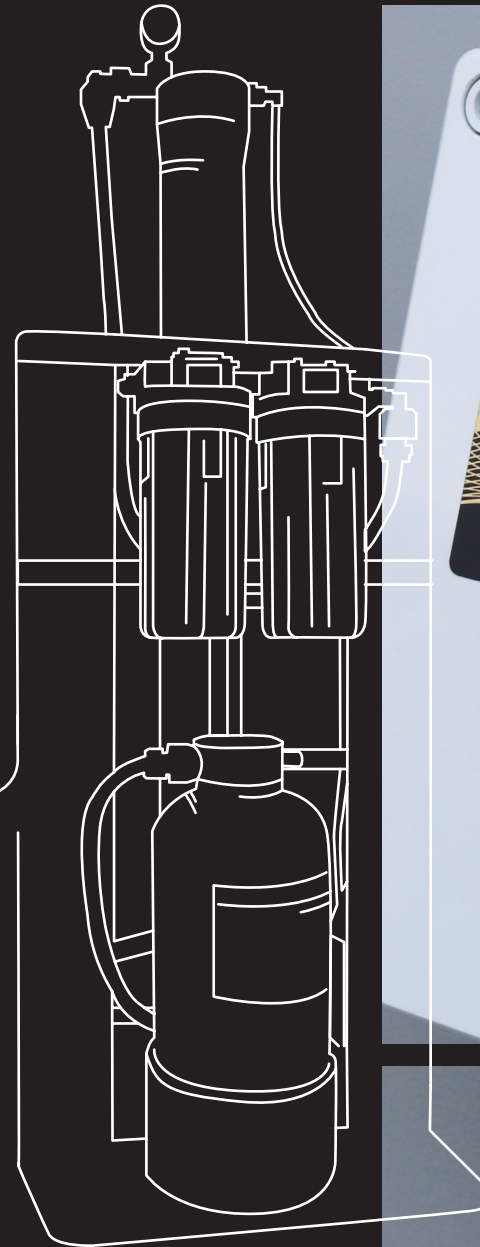
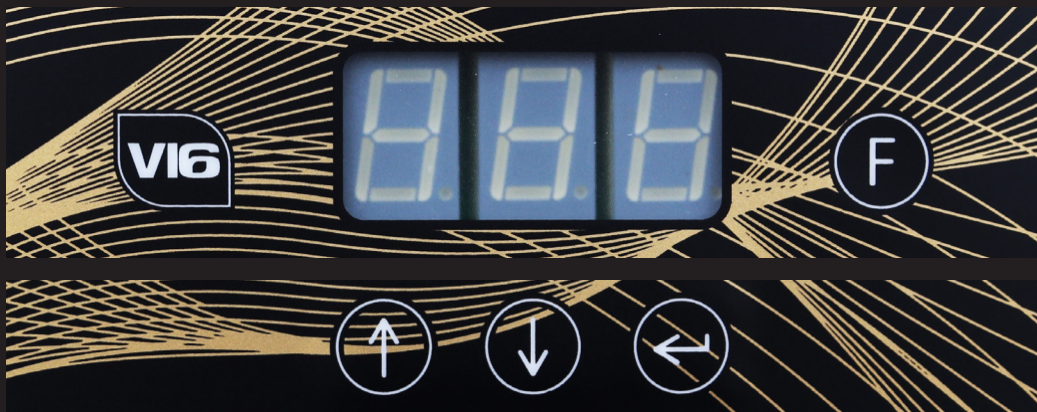
**ALSO AVAILABLE WITH:**  
+ TDS FUNCTIONS AND/OR  
+ FLOWMETER FUNCTIONS

### + TDS

The TDS function controls the purity of the water for an effective spot free clean. It allows you to set a maximum TDS level, above which the V16 M BPC and optional booster pump will stop automatically by monitoring the level as the water travels down the hose to the storage tank. It also displays the TDS reading and the water temperature.

### + FLOWMETER

The Flowmeter function allows you to monitor closely your water consumption. It displays the flow rate in litres per minute. It also provides a total count of all water used by the system and a re-settable total that can be zeroed. These features can be used to gauge filter life, and measure the amount of either pure water produced or raw water used.





Made in the UK by Spring (Europe) Ltd.

Patent Pending 1918133.8

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