

# iWaterSwitch

## INTELLIGENT RAINWATER CONTROLLER

The iWaterSwitch encompasses new intelligent features and a contemporary design resulting in a highly dependable rainwater harvesting unit that recreates the industry benchmark. The iWaterSwitch is a fully automatic device that is designed to seamlessly switch between stored rainwater and mains water supply when required to supply toilets, laundry, garden and other non-potable water applications.

The all new iWaterSwitch has the patented **Demand Sensing Flow Management** feature which does not require a separate pump controller to monitor and control water pressure and flow.



### KEY FEATURES

- Fully functional LCD display
- Realtime flow rate, pressure and current readings
- Adjustable cut-in, cut-out flow and max-run time
- Data recording of total and monthly water usage
- Built-in back flow prevention devices for mains & tank supply
- Demand sensing by flowrate to prevent system cycling (Patent 2011244897)
- Fully interchangeable with the Onga MkII WaterSwitch
- Direct acting solenoid for more robust and reliable operation





Introducing



# iWaterSwitch

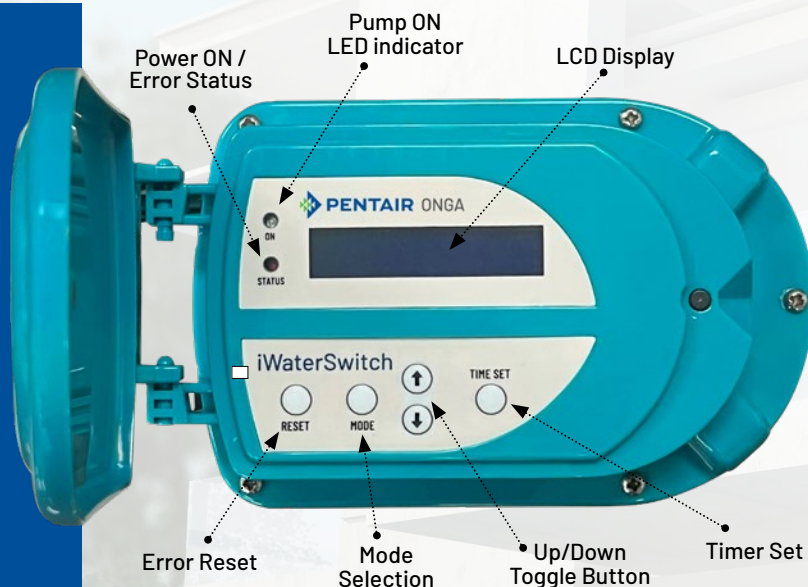
## INTELLIGENT RAINWATER CONTROLLER

**iWaterSwitch** automatically switches between harvested rainwater and mains water. It features all the benefits of its predecessors plus the flexibility of adjustable cut-in and cut-out flow rates, minimum pressure and maximum run time making it the ideal water saving device in all mains water fed homes. It can be mounted directly to a surface mounted pump or may be wall mounted in the case of pairing with a submersible pump.

### Applications:

- Laundry
- Toilet
- Washdown
- Irrigation and water supply

**iWaterSwitch** is a Pentair **ecoselect** solution with Watermark approval and AS/NZS 4020 certification that is ideally paired with the Onga MULTI EVO 3, JS, TANKBUDDY and DOMINATOR.



### KEY FUNCTIONS:

- ▶ Monitor the total water usage since installation on default home screen.

WTR SINCE INSTAL  
0 L JAN18

To view the current Flow Rate or Pressure, press the "MODE SET" button.

- ▶ Monitor real time Flow and Pressure going through the system.

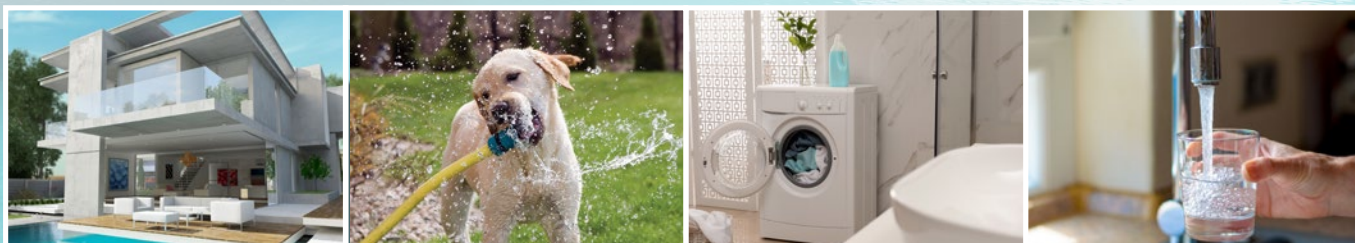
Flow : 45.5 LPM  
Press: 709 Kpa

To view the Current Draw of the pump, press the "MODE SET" button again.

- ▶ Monitor real time pump current drawn.

PUMP CURRENT  
0.0 AMPS

*For the full list of smart functionalities of the Switch, please refer to the Owner's Manual.*



# RAINWATER HARVESTING PUMP SYSTEM USING THE iWATERSWITCH



On top of its sophisticated design, the iWaterSwitch encompasses a range of additional features, resulting in an ease of operation for its user.



The all new **iWaterSwitch** should be partnered with the Onga pump models shown below and may be purchased separately or as a kit.

These pumps are all Tested and Certified to AS/NZS 4020 making them suitable for use with potable water.

## MULTIEVO



The MultiEvo 3 series is a self-priming horizontal multistage centrifugal pump with an innovative hydraulic system capable of suction lifts to 8 meters. The pump design coupled with our latest generation high efficiency motor provide performance with quiet operation.

## JS SERIES



The JS range of pressure pumps feature a durable stainless steel pump casing with precision moulded jet & venturi and impeller for reliability and great performance under high suction lift applications. The Italian made JS series is mounted on a stable, high quality stainless steel base for protection from corrosion.

## DOMINATOR



Submerged in the tank or well, the Dominator household pressure pumps are near silent. Sharing pump components with the highly respected Sta-Rite Signature 2000 borehole pump range, the Dominator range are highly efficient, robust and reliable.

## TANK BUDDY



Submerged in the tank or well, the Tankbuddy pressure pump is a near silent operator. The Tankbuddy is ideal for smaller homes where space or noise are a factor.

The Tankbuddy is a value for money pump delivering reliable performance.



# iWATERSWITCH KITS



OMEW PUMP + COVER KITS



JSIW PUMP + COVER KITS



OMEW KIT



JSIW KIT



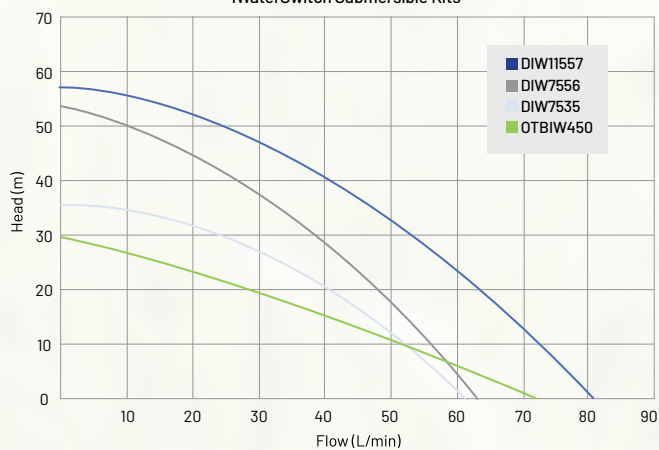
DIW KIT



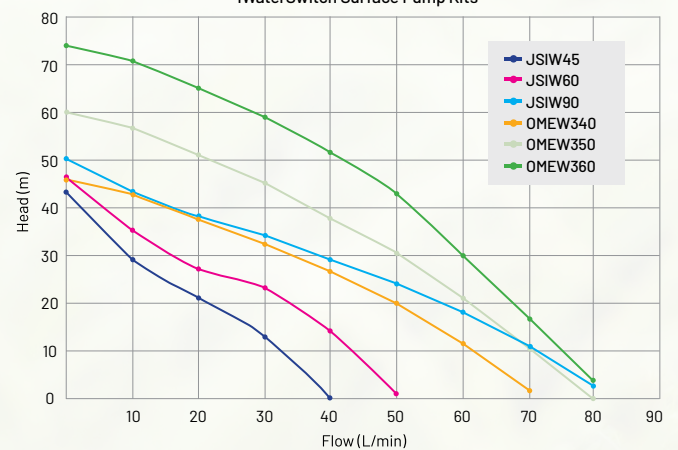
OTBIW KIT



iWaterSwitch Submersible Kits



iWaterSwitch Surface Pump Kits















# SELECTION GUIDE

This quick selection guide can help you to find the most suitable iWaterSwitch solution for your needs.

The products listed are recommended based on optimal performance and should be used as a guide only.

	 <b>SMALLER SINGLE STOREY HOME</b>	 <b>MEDIUM / DOUBLE STOREY HOME</b>	 <b>LARGE DOUBLE STOREY HOME</b>
	<ul style="list-style-type: none"> <li>● OTBIW450</li> <li>■ JSIW45</li> <li>■ JMIW100</li> </ul>	-	-
	<ul style="list-style-type: none"> <li>● OTBIW450</li> <li>■ JSIW45</li> <li>■ JMIW100</li> </ul>	<ul style="list-style-type: none"> <li>● DIW7535</li> <li>■ JSIW60</li> <li>■ OMEW340</li> </ul>	-
	<ul style="list-style-type: none"> <li>● OTBIW450</li> <li>■ OMEW340</li> <li>■ JSIW60</li> </ul>	<ul style="list-style-type: none"> <li>● DIW7535</li> <li>■ OMEW340</li> <li>■ JSIW90</li> </ul>	-
	<ul style="list-style-type: none"> <li>● DIW7535</li> <li>■ OMEW340</li> </ul>	<ul style="list-style-type: none"> <li>● DIW7556</li> <li>■ OMEW350</li> </ul>	<ul style="list-style-type: none"> <li>■ OMEW360</li> </ul>
	<ul style="list-style-type: none"> <li>● DIW7535</li> <li>■ OMEW340</li> </ul>	<ul style="list-style-type: none"> <li>● DIW7556</li> <li>■ OMEW350</li> </ul>	<ul style="list-style-type: none"> <li>■ OMEW360</li> </ul>
	<ul style="list-style-type: none"> <li>● DIW7556</li> <li>■ OMEW350</li> </ul>	<ul style="list-style-type: none"> <li>● DIW7556</li> <li>■ OMEW350</li> </ul>	<ul style="list-style-type: none"> <li>■ OMEW360</li> </ul>
LARGER APPLICATIONS	<ul style="list-style-type: none"> <li>● DIW11557</li> </ul>	<ul style="list-style-type: none"> <li>● DIW11557</li> </ul>	<ul style="list-style-type: none"> <li>■ OMEW360</li> </ul>

● iWaterSwitch Submersible Kits

■ iWaterSwitch Surface-Mounted Kits

NOTE: All models are suitable for both in-ground or above-ground tank installations.



# iWATERSWITCH KIT OPTIONS

The Pentair Onga iWaterSwitch kits provide a complete solution with fast and easy installation. The range of iWaterSwitch kits available comprise an iWaterSwitch, a pump, barrel union, float switch, wall mount kit, flexible hoses, fittings and pump cover.

Refer to the table below for inclusions in each kit.



PART NUMBER	PUMP	FLOAT SWITCH	BARREL UNION	WALL MOUNT BRACKET	MOUNTED WITH PUMP COVER + FLEX HOSE + UNIONS
DIW11557FL	D11557	X	X	✓	X
DIW7535DR	D7535	✓	X	✓	X
DIW7535FL	D7535	X	X	✓	X
DIW7556DR	D7556	✓	X	✓	X
DIW7556FL	D7556	X	X	✓	X
JSIW45FL	JS45	X	✓	X	X
JSIW60FL	JS60	X	✓	X	X
JSIW60PCMFL*	JS60	X	✓	X	✓
JSIW60PCSFL^	JS60	X	✓	X	✓
JSIW60PCWGFL*	JS60	X	✓	X	✓
JSIW90FL	JS90	X	✓	X	X
OMEW340DR	OME340	✓	✓	X	X
OMEW340FL	OME340	X	✓	X	X
OMEW340PCMFL*	OME340	X	✓	X	✓
OMEW350DR	OME350	✓	✓	X	X
OMEW350FL	OME350	X	✓	X	X
OMEW350PCMFL*	OME350	X	✓	X	✓
OMEW350PCWGFL*	OME350	X	✓	X	✓
OMEW360DR	OME360	✓	✓	X	X
OMEW360FL	OME360	X	✓	X	X
OTBIW450DR	OTB450W	✓	X	✓	X
OTBIW450FL	OTB450W	X	X	✓	X
JMIW100FL	JM100	X	✓	X	X

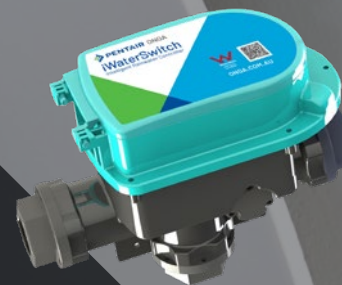
\*M - Merino

\*WG - Woodland Grey

^S - Charcoal



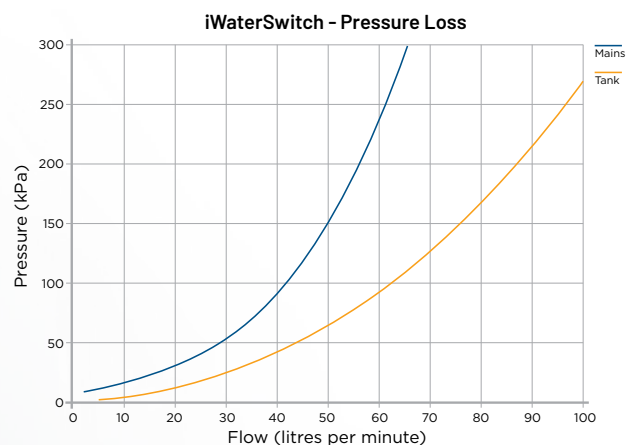
# TECHNICAL DATA



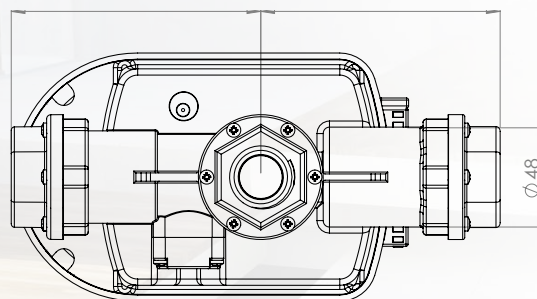
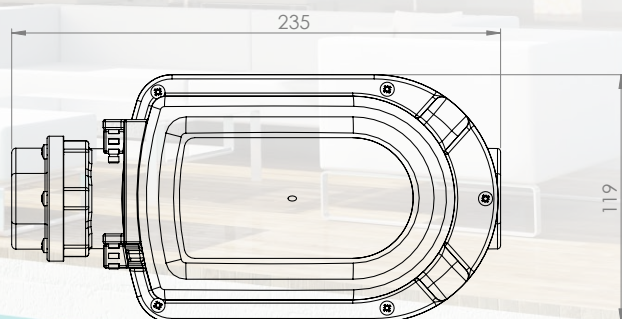
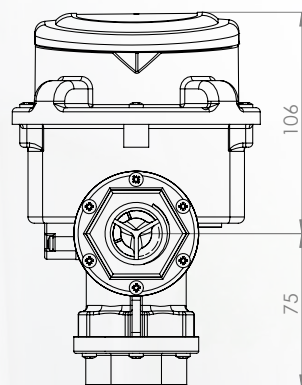
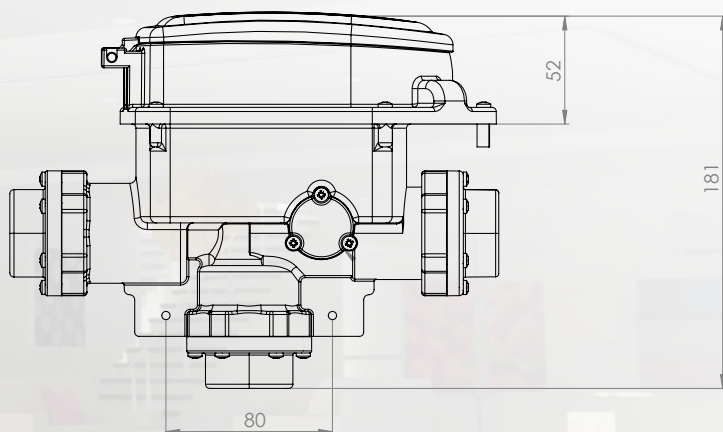
## ELECTRICAL DATA

Supply Voltage	1~230-240 50Hz
Max Electrical Load	10A / 2400W
Power Standby	3.5W
Control Power (ON)	30W
IP Rating	IP44
Min Flow Rate	1 Lpm
Min Mains Pressure	1 Bar
Max Operating Pressure	10 Bar
Min-Max Water Temp	1°C - 40°C
Min-Max Ambient Temp	1°C - 40°C

## PERFORMANCE



## DIMENSIONS (PORTS 1" BSP FEMALE)



## ACCESSORIES

PART NO.	DESCRIPTION
801481	Waterswitch Exceed Wall Mount Kit
801439	Barrel Union Kit Waterswitch
707170	Float Switch Tank

PART NO.	DESCRIPTION
707171	Ext. Lead Float Switch (10m)
707301	Inline Terminal Block M20





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