



HOMEMASTER

DISTRIBUTOR CATALOGUE



PENTAIR.COM.AU

HOMEMASTER

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HOMEMASTER

INTRODUCTION

Pentair offers a wide range of pumps, controls and accessories to provide the best in household water supply for urban rainwater harvesting applications.

The Homemaster pump range is available in several types:

JM jet assisted pumps :

The JMP100 is an all moulded pressure system complete with Presscontrol. This is an economical household pressure system incorporating all the usual performance and reliability features of Onga. Like all jet pumps, the suction inlet is high on the pump body to enhance self-priming and air handling capabilities.

JS jet assisted pumps :

The JS range of household pressure systems feature a strong stainless steel pump casings with precision moulded jet, venturi and impeller for efficiency and great performance under high suction lift applications. These Italian made pumps are mounted on a stable, moulded base for protection from corrosion, and feature totally enclosed fan cooled motors.

MULTI EVO multistage pumps :

The MULTI EVO is a self-priming horizontal multistage pump with high-efficiency hydraulics coupled to our latest generation motor, designed to cover heads up to 75m and flow rates up to 220 l/min. MultiEvo replaces the Onga SMH Series.

D.R.O.P - DRY RUN OVER - TEMPERATURE PROTECTION

Onga's unique system comes standard with the MultiEvo range providing an extra level of protection against expensive pump damage.

How D.R.O.P. works

D.R.O.P. avoids this by constantly measuring the internal temperature of the pump, and shutting it down if abnormally high temperatures exist.

Why it's needed

As a pump runs, it transfers the motor's energy to the water. Usually, this energy is felt as pressure and flow - e.g. a great shower. However, if a pump's control system fails, the motor's energy can only end up as heat. The water in the pump heats up until it boils or melts and deforms the pump's internal components. This will almost always require complete pump replacement.

Tankbuddy :

Based largely on the SMH range of pumps, this submersible pump offers the same reliability, efficiency and performance as the SMH range with the extra advantage of operating near silently submerged into the tank.

WaterSwitch :

WaterSwitch provides the best possible solution for the urban water market. It provides automatic selection between rain water and mains water depending on availability of water within the tank. This enables the household to maximise tank usage and minimise mains water usage, ensuring a continuous, cost effective supply of water without fuss.

Dominator Submersible :

The Onga Dominator range changes the rules for household pressure. Submerged in the tank operation is near silent. It shares its pump components with the highly respected Sta-rite Signature 2000 submersible borehole range for proven high efficiency and reliability.

INTELLIMASTER:

Onga's Intellimaster is a variable speed pump that easily handles the demands of an urban or rural household. Thanks to the Variable Speed Drive (VSD) the motor runs at a speed according to demand making it highly efficient, cost effective and quiet when operating and consuming significantly less power when compared to a conventional fixed pump of the same size!



HOMEMASTER

PART NUMBER IDENTIFICATION

JET PUMPS

RANGE	CASING	PACKAGE	POWER OUTPUT (OLD SERIES)	MAX FLOW (NEW SERIES)	ACCESSORIES
J - JET ASSISTED	M - MOULDED	P - PRESSCONTROL	100 - 300 WATT	45 - 45 Litres / min	DR - Top entry float
	S - STAINLESS STEEL	W - WATERSWITCH	110 - 450 WATT	60 - 60 Litres / min	ER - Side entry float (grommet)
		Blank - PUMP ONLY	120 - 750 WATT	90 - 90 Litres / min	FR - Side entry float (threaded)
					FL - Floatless

FOR EXAMPLE JSW110DR

DOMINATOR SUB. PUMPS

RANGE	PACKAGE	NOMINAL FLOW	MAXIMUM HEAD
D - DOMINATOR	P - PRESSCONTROL	115 - 115 LPM	57 - 57 METRES
	W - WATERSWITCH	75 - 75 LPM	56 - 56 METRES
	Blank - PUMP ONLY		35 - 35 METRES

FOR EXAMPLE DW7535

TANKBUDDY SUB. PUMPS

RANGE	PACKAGE	EQUIVALENCE TO SMH	PUMP ARRANGEMENT
OTB - ONGA TANK BUDDY	W - WATERSWITCH	450 - EQUIVALENCE TO SMH450	A - AUTOMATIC (FLOAT SWITCH)
	Blank - PUMP ONLY		W - IEC PLUG
			DR - Top entry float
			FL - Floatless

FOR EXAMPLE OTB450W

MULTISTAGE PUMPS

RANGE	PACKAGE	EQUIVALENCE TO SMH	PUMP ARRANGEMENT
OME - ONGA MULTI EVO	3 - 3m ³ / hr	40 - 4 Stages	P - PRESSCONTROL
	5 - 5m ³ / hr	50 - 5 Stages	Blank - Pump Only
	8 - 8m ³ / hr	60 - 6 Stages	

FOR EXAMPLE OME340P

WATER SWITCH AND MULTISTAGE PUMPS

CASING	INTERNALS	DIRECTION	PACKAGE	POWER OUTPUT	ACCESSORIES
S - STAINLESS STEEL	M - MOULDED	H - HORIZONTAL	W - WATERSWITCH	35 - 350 WATT	DR - Top entry float
				45 - 450 WATT	ER - Side entry float (grommet)
				55 - 550 WATT	FR - Side entry float (threaded)
					FL - Floatless

EX: SMHW550FL

HOMEMASTER

FEATURES & BENEFITS

JET ASSISTED PUMP RANGE

FEATURES	BENEFITS	JMP	JS	JSP	JSW
Stainless steel pump casing	Corrosion resistant, tough		•	•	•
Moulded pump casing	Corrosion free	•			
Self-priming	Lifts water from wells and other low sources (depths to 7.6m)	•	•	•	•
Easy installation	Low installation cost, or DIY	•	•	•	•
Base mounted	Pump lifted above corrosive sitting water	•	•	•	•
Australian made	Quality construction for local conditions	•	•	•	•
Even pressure	Constant temperature without water pressure fluctuations for a comfortable shower	•		•	
Loss of prime protection	Protects pump from expensive failure	•		•	•
Dual source valve	Automatically selects between tank and mains water				•

HORIZONTAL MULTISTAGE PUMP RANGE

FEATURES	BENEFITS	OME	OMEF
Stainless steel pump casing	Corrosion resistant, tough	•	•
Precision moulded components	High efficiency and quiet operation	•	•
Stainless steel pump foot	Pump lifted off wet surface, easy installation	•	•
Dry Run Over-temperature protection	Protects pump from expensive failure	•	•
Even pressure	Constant temperature without water pressure fluctuations for a comfortable shower		•
Self-priming	Lifts water from wells and other low sources (depths to 8m)	•	•
Loss of prime protection	Protects pump from expensive failure		•
Dual source valve	Automatically selects between tank and mains water		
New Line to go here			

SUBMERSIBLE (TANKBUDDY) PUMP RANGE

FEATURES	BENEFITS	OTB	OTBP	OTBW
Submersible	Near silent operation	•	•	•
In Tank Location	Space saving, out of sight, vandal proof	•	•	•
Integrated float switch	Automatic level control (OTB450A)	•		
IEC Plug	Easy installation with WaterSwitch		•	•
Dual source valve	Automatically selects between tank and mains water			•
Even pressure	Constant temperature without water pressure fluctuations for a comfortable shower		•	
Loss of prime protection	Protects pump from expensive failure		•	•

SUBMERSIBLE (DOMINATOR) PUMP RANGE

FEATURES	BENEFITS	DOMINATOR	DP	DW
Submersible	Near silent operation	•	•	•
High performance	Can supply large homes with excellent water pressure	•	•	•
In Tank Location	Space saving, out of sight, vandal proof			
Stainless steel shaft and case	Corrosion resistance, strength and long life	•	•	•
Moulded Noryl discharge	High strength connection (includes safety loop)	•	•	•
Sta-Rite S2000 internals	High efficiency and ceramic wear rings for longer life	•	•	•
Compact dimensions	Fits through small tank inspection hatches	•	•	•
20m cable & IEC cord included	Ready to install DIY connection to controllers	•	•	•
Mechanical seal and oil chamber	Highest quality motor protection	•	•	•
Internally cooled motor	Can run only partially submerged	•	•	•
Dual source valve	Automatically selects between tank and mains water			•
Even pressure	Constant temperature without water pressure fluctuations for a comfortable shower		•	
Loss of prime protection	Protects pump from expensive failure		•	•

HOMEMASTER APPLICATIONS

HOUSEHOLD PRESSURE SYSTEMS

Homemaster pumps lead the way in household pressure systems with a vast selection of different pumps and packages to suit any requirement. Typical household pressure system applications include the use of rainwater for toilet flushing and washing machines. Additionally the systems can be used for showers, basins, hot water services, and general water use. However, check with your local council to see if there are any restrictions on the use of rainwater within your area.



GARDEN IRRIGATION

Homemaster pumps are fantastic tools for garden irrigation, providing one or more of a number of features including even pressure, dual source selection, high pressure and reliability.



HOMEMASTER

SELECTION GUIDE

PUMP SELECTION GUIDE

This selection guide will help in finding the appropriate pumps for your customers and their needs.

Follow steps 1 through 5:

1 SELECT USAGE

Select between use with household appliances and use for garden / irrigation.

2 SELECT DUAL OR SINGLE SOURCE WATER INPUT

Dual source water input refers to tank and mains.
Single source water input refers to mains.

3 SELECT APPLICATION SIZE

Select "ALL" for any application size.
Select "M-L" - 5-7 taps.

4 CONTROLLER NEEDED

Select between, Waterswitch (Automatic rainwater controller), PressControl.

5 PUMP LOCATION

Select where the pump will be located in relation to point of application and if a submersible pump is required or not. The product ranges listed are recommended for optimal performance and should be used as a guide only.

SELECT USAGE				
				
HOUSEHOLD	GARDEN / IRRIGATION			
SELECT DUAL OR SINGLE SOURCE WATER INPUT				
				
SELECT APPLICATION SIZE				
All	All	M-L		
CONTROLLER NEEDED				
	Waterswitch	Waterswitch	Presscontrol	
PUMP LOCATION	APPROPRIATE PUMP RANGE			
NEXT TO TANK	SMHW	SMHW	OMEF	
AWAY FROM TANK	JSW	JSW	JMP JSP JSK	
INSIDE TANK CLOSE TO HOUSE	OTBW	OTBW	DP OTBP	
INSIDE TANK AWAY FROM HOUSE	DW	DW	DP	



PUMPS



HOMEMASTER JET ASSISTED WATER PRESSURE PUMPS

JMP100



JMP100

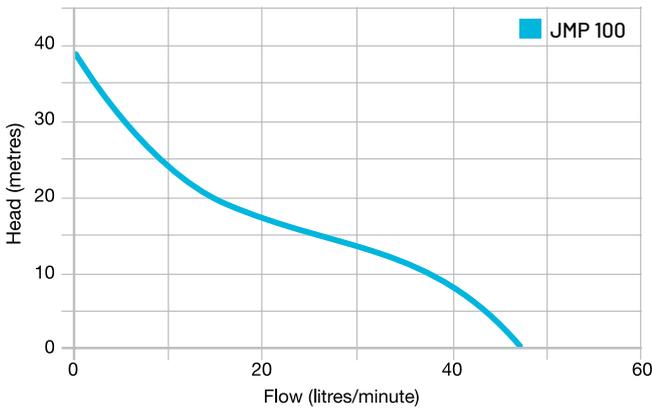


- The JMP100 is an automatic pressure pump which includes the Presscontrol. The casing and internal parts consist of precision moulded components for high efficiency and reliability.
- This is an economical household pressure system incorporating the high performance and reliability features typical of Onga.
- The suction inlet is high on the pump body, enhancing self priming and air handling ability, while the totally enclosed, fan-cooled motor gives years of quiet and reliable operation.

APPLICATIONS

- Automatic domestic water pressure systems.
- High suction lift situations.

MODEL	WATTS (P2)	CURRENT (AMPS)	OPERATING PRESSURE (KPA)	SUCTION DEPTH CAPACITY (METRES) (LITRES PER MIN)						PORT SIZE (BSP)	
				0	1.5	3.0	4.6	6.1	7.6	SUCTION	DISCHARGE
JMP100	300	2.65	140	30	27	24	21	17	12	1" M	1" M



JSK RANGE



JSK45



JSK60



JSK90

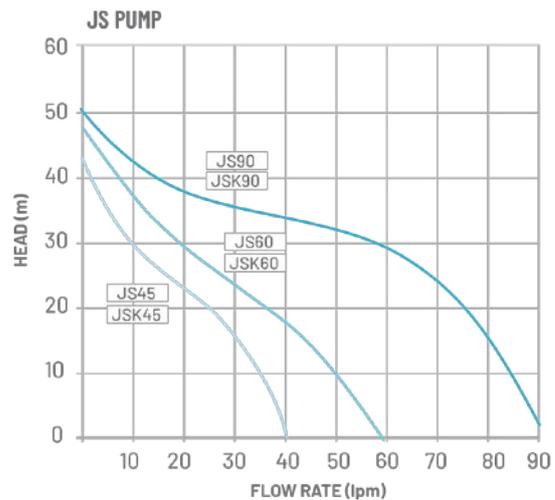


- The JSK range of pressure systems includes three pump and tank combinations to suit almost any home.
- The JS range of pumps features a strong stainless steel pump casing, with precision-moulded internals.
- The suction inlet is set high on the pump body to enhance self priming and air handling ability.
- Pressure switch and pressure tank combination reduces pump starts.

APPLICATIONS

- Automatic domestic water pressure systems.
- High suction lift situations.

MODEL	WATTS (P2)	CURRENT (AMPS)	SUCTION DEPTH CAPACITY (METRES) (LITRES PER MIN)						PORT SIZE (BSP)	
			0	1.5	3.0	4.6	6.1	7.6	SUCTION	DISCHARGE
JSK45	0.37	3	32	29	26	22	18	13	1" F	1" F
JSK60	0.55	4	45	41	36	32	26	18	1" F	1" F
JSK90	0.9	6.5	80	72	64	56	46	32	1 1/4" F	1" F



HOMEMASTER JET ASSISTED AUTOMATIC PRESSURE PUMPS

JSP RANGE

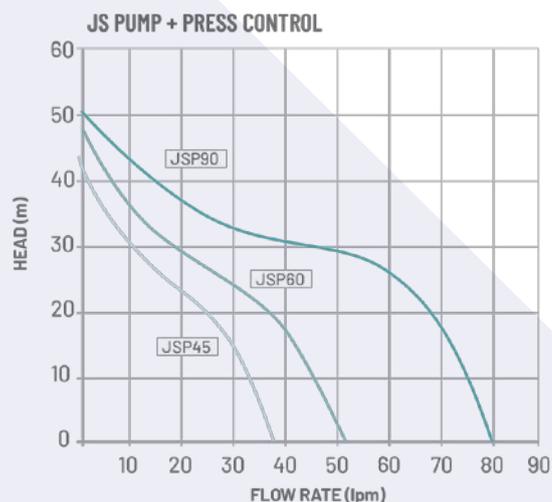


- Equipped with electronic pressure control, the JSP range is designed for situations requiring strong, even pressure.
- The JS range of pumps feature stainless steel casing and precision-moulded internals
- Loss of prime protection to prevent dry running.

APPLICATIONS

- Automatic, even pressure household water supply, especially with high suction lift.

MODEL	WATTS (P2)	CURRENT (AMPS)	SUCTION DEPTH CAPACITY (METRES) (LITRES PER MIN)						PORT SIZE (BSP)	
			0	1.5	3.0	4.6	6.1	7.6	SUCTION	DISCHARGE
JSP45	0.37	3	30	27	24	21	17	12	1" F	1" F
JSP60	0.55	4	42	38	34	29	24	17	1" F	1" F
JSP90	0.9	6.5	74	67	59	52	42	30	1 1/4" F	1" F



HOMEMASTER MULTISTAGE

AUTOMATIC PRESSURE PUMPS

OME P



AS/NZS 4020
TESTED & CERTIFIED.
SAFE TO USE FOR DRINKING WATER.

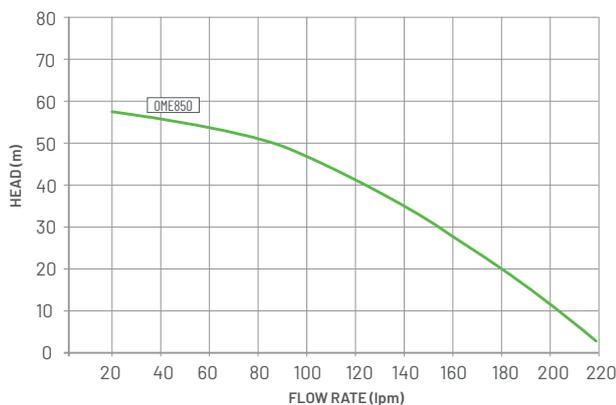


- The OMEP range provides solutions for average sized homes right up to the largest applications.
- Stainless steel motor shaft and pump casing for corrosion resistance and longer life.
- Precision moulded components provide high efficiency and low noise.
- Stainless steel pump foot helps to prevent corrosion and provides easy installation.
- Loss of prime protection prevents dry running.
- The Dry Run Over-temperature Protection (D.R.O.P) system prevents costly pump damage.

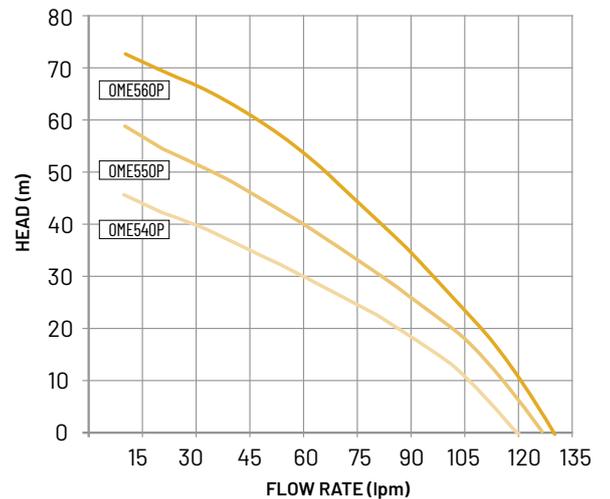
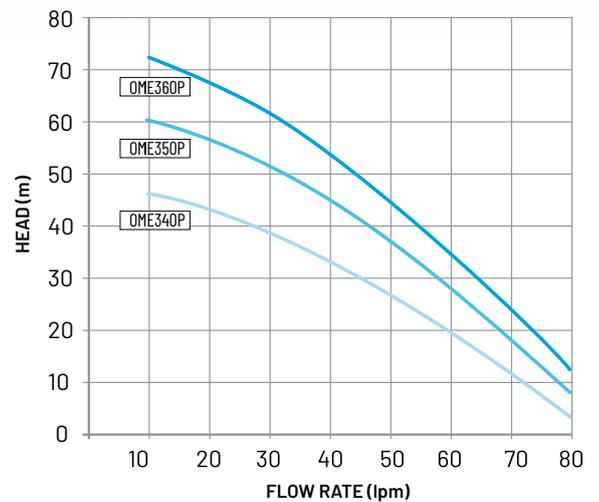
APPLICATIONS

- The perfect household pressure pump.

OPERATING PRESSURE	SUCTION HEAD (M)	100% FLOW	FLOW RATE (LPM)						WATTS (P2)	CURRENT (A)	SUCTION	DISCHAGE
			1.5	3	4.8	6.1	7.6	8				
140 kPa	OME340P	66	60	53	46	38	27	22	0.51	3.7	1" F	1" F
210 kPa	OME350P	67	60	54	47	38	27	22	0.70	4.4	1" F	1" F
210 kPa	OME360P	73	66	59	51	42	29	24	0.90	5.7	1" F	1" F
140 kPa	OME540P	100	90	80	70	57	40	33	0.75	4.7	1" F	1" F
210 kPa	OME550P	100	90	80	70	57	40	33	0.95	6.2	1" F	1" F
210 kPa	OME560P	106	95	85	74	60	42	35	1.20	7.5	1" F	1" F
210 kPa	OME850P	165	148	132	115	-	-	-	1.40	9.0	1 1/4" F	1 1/4" F



MULTI EVO PUMP + PRESS CONTROL



PERFORMANCE INTELLIMASTER

VARIABLE SPEED MULTISTAGE PUMPS

IMH



- Stainless Steel Horizontal Multistage - single phase pump with variable speed drive
- *304 Stainless Steel Wet End
- Large LCD Display
- Adjustable Pressure set point
- 16 Bar Transducer
- Pressure Gauge
- Stainless steel five-way tee with inbuilt non-return valve
- Max. head - 58m
- Max. flow - 270lpm

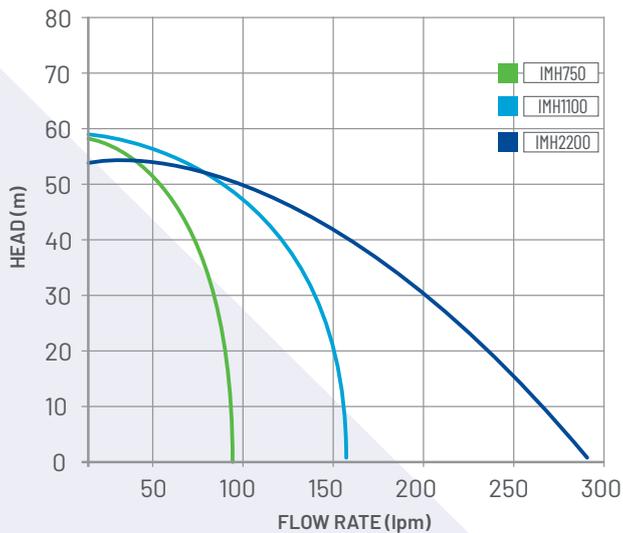
APPLICATIONS

- Domestic pressure system.
- Pressure boosting.
- Irrigation and garden water supply.
- Water transfer.

ELECTRICAL DATA

MODEL	VOLTAGE ±10%	FREQ HZ ±3%	MOTOR RATING KW		NOMINAL RPM	FULL CURRENT	MOTOR PROTECTION	INSULATION CLASS	IP RATING
			P1	P2					
IMH750	220-240 1Ph	50	0.969	0.75	2890	3.1A	Inbuilt	F	IP55
IMH1100			1.382	1.1		4.4A			
IMH2200			2.644	2.2		8.2A			

PERFORMANCE CURVE



PERFORMANCE

TYPE	DELIVERY HEAD [M]	10	15	20	25	30	35	40	45	50	55	60
IMH750	Capacity [litres per min]	80	76	72	66	61	55	48	42	32	20	-
IMH1100		148	140	132	122	113	102	90	72	60	31	-
IMH2200		258	240	230	220	202	180	165	140	95	-	-

HOMEMASTER SUBMERSIBLE

AUTOMATIC WATER PRESSURE PUMPS

DOMINATOR



TANK BUDDY



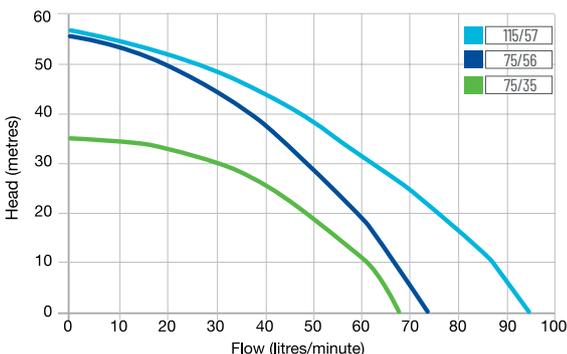
OTB450W / OTBP450

- Submerged in the tank or well, it is completely silent.
- It shares its pump components with the highly respected Sta-Rite Signature 2000 submersible borehole pump range.
- Coupled with electronic pressure control the Dominator becomes a complete home pressure system.
- High efficiency moulded impellers means lower running costs and high performance.
- Stainless steel suction, shaft and casing makes this pump corrosion resistant and tough.
- Supplied with 20m cable and 20m drop cord.
- Mechanical seal with oil chamber for high quality motor protection.

APPLICATIONS

- The perfect household pressure pump.

MODEL	WATTS (P2)	CURRENT (AMPS)	OPERATING PRESSURE (KPA)	SUCTION DEPTH CAPACITY (METRES) (LITRES PER MIN)					PORT SIZE (BSP)
				140	210	280	350	420	
75/35	350	2.7	140	55	45	35	0	0	1/4" F
75/56	600	3.8	140	64	56	51	43	33	1/4" F
115/57	800	5.0	140	83	75	66	55	43	1/4" F

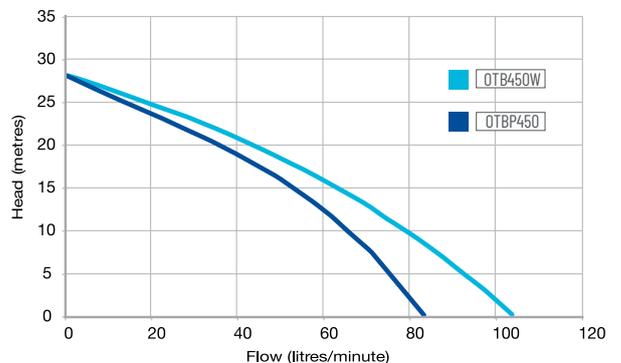


- Specifically designed for rainwater harvesting.
- Based on the SMH range of multistage pumps, giving them the same reliability, efficiency, and high performance.
- By using existing designs in an innovative way, Onga is able to offer a great submersible pump at a low cost.
- Installed inside the tank for near silent operation.

APPLICATIONS

- Treated water pump-out chambers.

MODEL	WATTS (P2)	CURRENT (AMPS)	OPERATING PRESSURE (KPA)	SUCTION DEPTH CAPACITY (METRES) (LITRES PER MIN)				PORT SIZE (BSP)
				140	170	210	280	
OTB450W	650	4	70	56	47	16	1/4" F	1/4" F
OTBP450	650	4	52	46	31	0	1" M	1/4" F



SWITCHES



HOMEMASTER CONTROLLERS

AUTOMATIC RAINWATER CONTROLLER

WATERSWITCH

Water is a valuable resource, and saving water is a priority for every Australian household. To make water saving easy Onga has developed WaterSwitch. WaterSwitch is a dual source valve that utilises water captured within a rainwater tank to supply water requirements around the home. Not all domestic water applications and appliances require water that has been treated for drinking by a local water authority. Uses for rainwater include, washing machines, toilets flushing, and garden watering. With WaterSwitch your customers will save water automatically.

HOW DOES WATERSWITCH WORK?

WaterSwitch is a fully automatic device that has the ability to detect the availability of water inside the tank (via a float sensor) so that it can ensure a seamless supply of water to the home without any interruption. When the tank contains water the float sensor relays this to the WaterSwitch and the WaterSwitch will automatically divert the demand to be supplied with the available rainwater. In the event that the rainwater falls below the set level of the float sensor the WaterSwitch seamlessly switches all demand on the system over to the mains water to ensure that supply of water is never interrupted and that your customer is maximising their use of rainwater and therefore maximising their savings.

WHY IS WATERSWITCH THE BEST SOLUTION FOR URBAN RAINWATER?

WaterSwitch is a unique system that was designed to avoid high losses in pressure, which means WaterSwitch can be used in a broader range of applications like garden irrigation including pop up sprinklers. The high flow design of the WaterSwitch enables Onga to provide the most effective pump package, providing optimum energy efficiency and lower running costs. On top of the sophisticated design of the unit Onga has also thought of a range of additional features that make WaterSwitch so much easier to use.



These extras include:

- Easy mount wall bracket for submersible pump packages.
- Complete union kits to make sure the systems fits together perfectly.
- Smart display allowing the user to see what source is being used and override the system if the need occurs.
- In-built backflow protection.
- Upon activation, solenoid valve prevents mixing of main and tank water so genuine water savings are achieved.

FEATURES	BENEFITS
Energy savings	The pump only operates when rain water is being used.
Low pressure drop design	More water, more pressure from either pump or mains supply.
Display panel	See which water source is being used at any given time.
Override control	Allows the homeowner to use tank water if mains shut off.
Backflow protection	A dual check valve provides backflow prevention to keep rain water and the mains supply separated.
Pump check valve	This prevents precious mains supply water from escaping through the rain water tank.
Solenoid valve operation	Does not mix water - allows either mains or tank water to be used. If power is unavailable, Waterswitch lets main water pass to appliances.

HOMEMASTER CONTROLLERS

ELECTRONICALLY CONTROLLED PRESSURE SWITCHES

The Presscontrol guarantees perfect control of household pressure pumps. Incorporating both hydraulic and electronic components, they are capable of simultaneously detecting both pressure and flow. Using this information it controls the pump and also protects the pump against abnormal running situations. It replaces the traditional expansion tank system, it is totally reliable, and easy to install.

FEATURES	BENEFITS
Replaces the traditional expansion tank system	Far more compact than a tank, with reduced maintenance.
Operates the pump in accordance with demand	Completely automatic operation.
Maintains even pressure during delivery	Keeps pressure and temperature even for great showers.
Stops the pump on loss-of-prime	Protects the pump, reducing service costs.
Attenuates the effects of water hammering	Protects household plumbing.
Pre-Wired Plug and Play	No need for Electrician to install.
24 Hr Automatic Reset	Hassle free operation

PRESSCONTROL

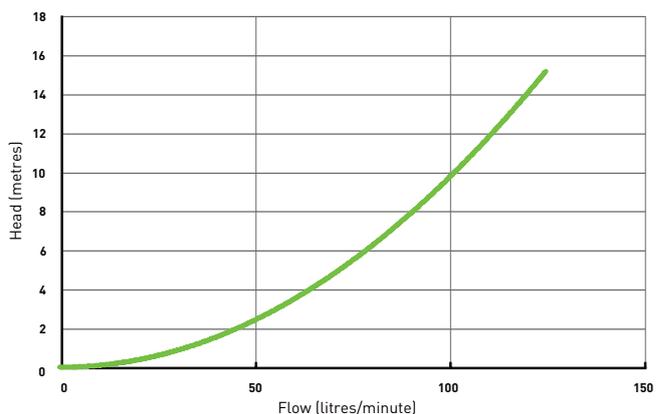
Presscontrol is the industry standard for automatic control for household pressure systems. No other controller has its track record of reliable operation. It is a versatile controller that can be matched with a wide range of pumps to suit virtually any household pressure situation.

Suitable for high discharge head applications.

MODEL	P/No.	Voltage \pm 10%	Frequency Hz	Max. Current	Max. Power kW	IP Rating	Max. Operating Temp.	Max. Operating Pressure	Controller Inlet	Controller Outlet	Cut-In Pressure
PC1500	880800	230	50	8	1.5	IP65	65°C	1000 kPa	1" BSP (male)	1" BSP (male)	150 kPa
PC2200	880801	230	50	8	1.5	IP65	65°C	1000 kPa	1" BSP (male)	1" BSP (male)	220 kPa



PRESSCONTROL PRESSURE LOSS



HOMEMASTER

WATERSWITCH SYSTEMS SELECTION GUIDE

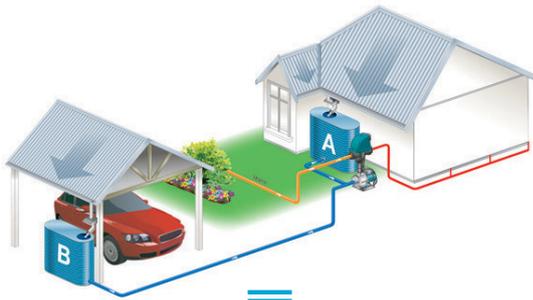
This quick selection guide can help you to find the most suitable WaterSwitch product for your customers and their needs. The products listed are recommended for optimal performance and should be used as a guide only.

• STEP 1

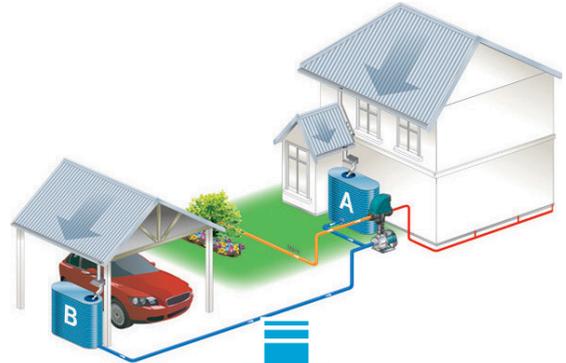
- SELECT SINGLE OR DOUBLE STOREY HOUSE

Typical set-up for in-ground and above-ground tanks.

SINGLE STOREY HOME



DOUBLE STOREY HOME



• STEP 2

- SELECT POSITION OF TANK

POSITION A

Next to home

POSITION B

Away from the home



POSITION A

Next to home

POSITION B

Away from the home

• STEP 3

- SELECT NUMBER OF APPLICATIONS YOU WISH TO RUN

PUMP MODEL BEST SUITED



SMHW350



OTBW450 (sub)
JSW110



JSW110



DW7535 (sub)
JSW110

SMHW350

OTBW450 (sub)
JSW110



JSW110

DW7535 (sub)
JSW110

SMHW450

OTBW450 (sub)
SMHW450



SMHW450

DW7535 (sub)
SMHW450

SMHW450

DW7535 (sub)
SMHW550



SMHW450

DW7535 (sub)
SMHW550

SMHW450

DW7535 (sub)
SMHW550



SMHW450

DW7556 (sub)
SMHW550

SMHW550

DQ7535 (sub)
SMHW550



SMHW550

DW7556 (sub)
SMHW550

SMHW750

DW11557D (sub)
SMHW750

Larger Applications

SMHW750

DW11557D (sub)
SMHW900

PERFORMANCE HOMEMASTER WATER SWITCH

AUTOMATIC RAINWATER CONTROLLER / PUMP DOMESTIC KITS

SMHW SERIES



JMW1100FL



DW SERIES



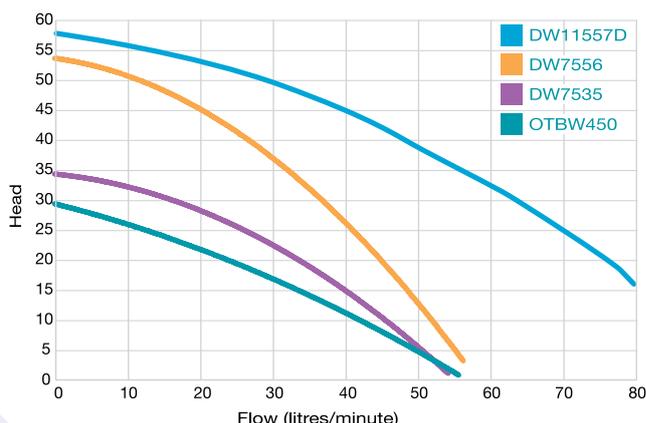
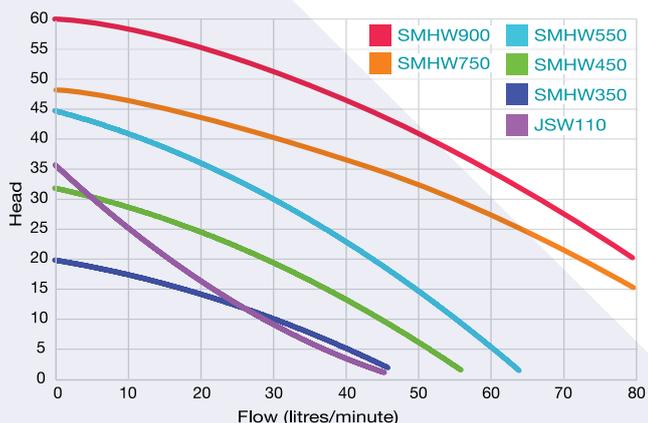
OTBW450



SMHW450PC KIT



JSW110PC KIT





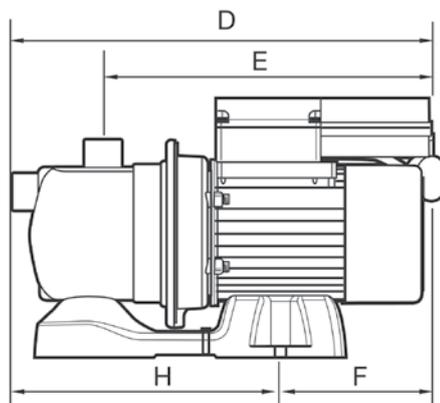
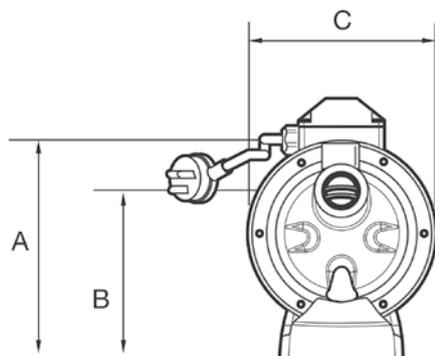
DIMENSIONS & TECHNICAL DATA

DIMENSIONS

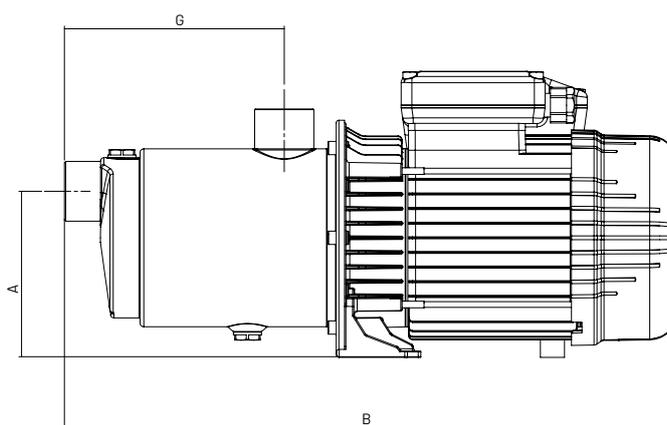
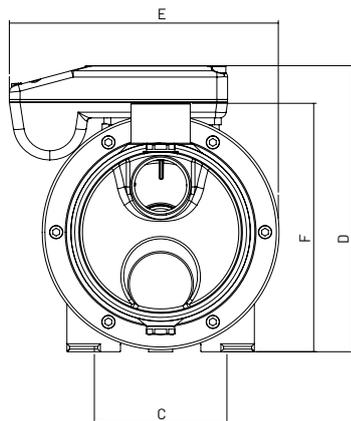
HOMEMASTER

WATER PRESSURE PUMPS

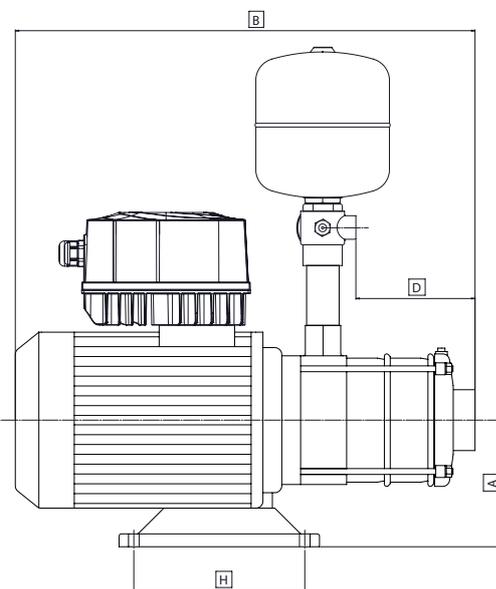
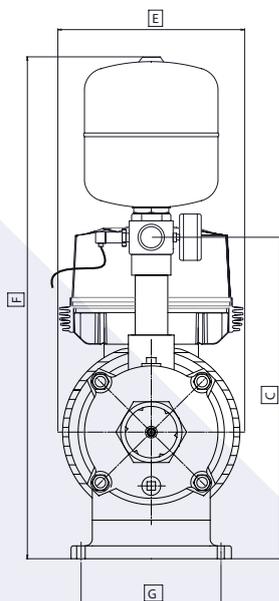
JM JET ASSISTED PUMPS



MULTI EVO MULTISTAGE PUMPS



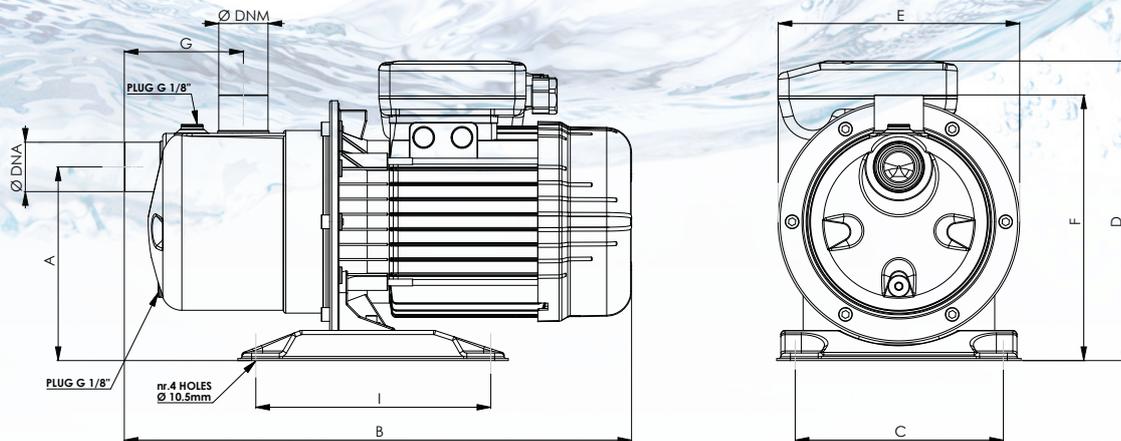
INTELLIMASTER



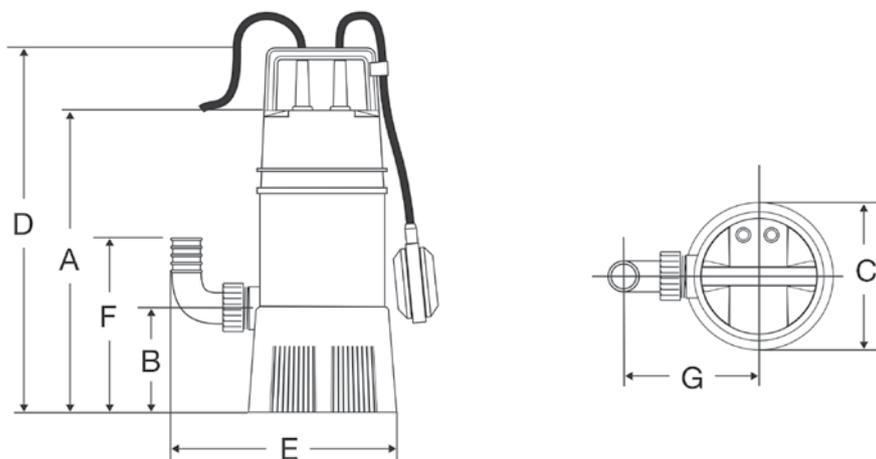
DIMENSIONS HOMEMASTER

WATER PRESSURE PUMPS

JS SERIES



TANKBUDDY

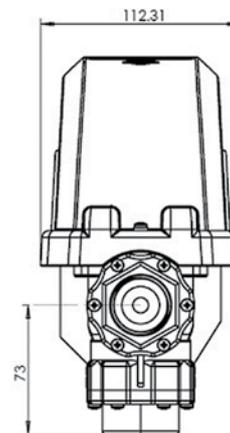
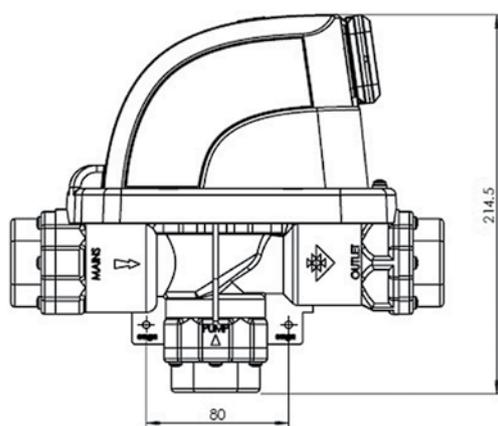


DOMINATOR

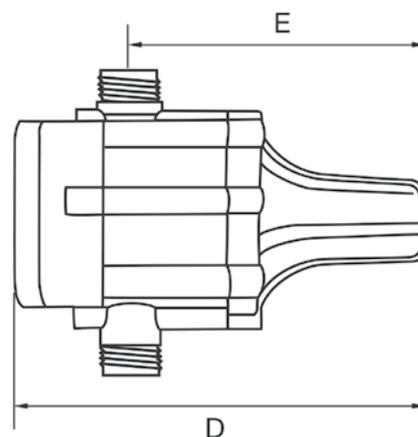
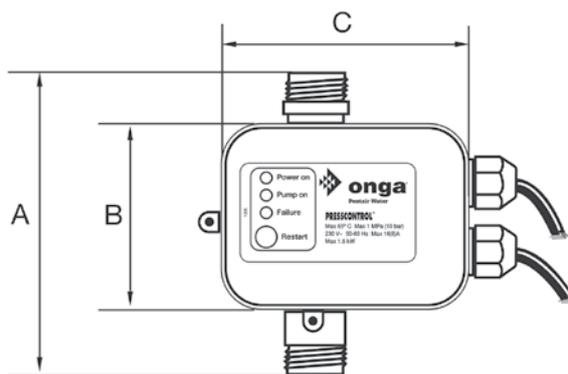


DIMENSIONS HOMEMASTER WATER PRESSURE PUMPS

WATERSWITCH AUTOMATIC RAINWATER CONTROLLER



PRESSCONTROL



DIMENSIONS TABLE

MODEL	A	B	C	D	E	D-E	F	G	H	SUCTION (BSP)	DISCHARGE (BSP)	NET WEIGHT (KG)
JM100	215	160	178	395	312	135	N/A	260	443	1" M	1" M	6.7
JS45	141	351	141	210	177	194	87	N/A	422	1" F	1" F	7.0
JS60	141	370	141	218	177	194	87	N/A	422	1" F	1" F	9.0
JS90	169	424	196	241	233	225	98	N/A	453	1/4" M	1" F	13.0
OME340	129	380	100	199	177	180	139	N/A	408	1" F	1" F	7.3
OME350	129	422	100	207	177	180	162	N/A	408	1" F	1" F	9.3
OME360	129	422	100	207	177	180	162	N/A	408	1" F	1" F	10.8
OME540	129	400	100	207	177	180	139	N/A	408	1" F	1" F	9.0
OME550	129	422	100	207	177	180	162	N/A	408	1" F	1" F	10.8
OME560	129	457	100	215	203	180	162	N/A	408	1" F	1" F	13.8
OME850	125	457	100	215	203	187	164	N/A	445	1/4" F	1/4" F	14.8
IMH750	110	422	280	110	200	575	108	138	N/A	1" F	1" F	19.0
IMH1100	108	482	285	168	180	582	108	138	N/A	1/4" F	1" F	19.0
IMH2200	118	520	270	155	198	564	108	138	N/A	1 1/2" F	1/4" F	28.0
D7535	98	49	N/A	560	N/A	N/A	N/A	N/A	N/A	N/A	1/4" F	8.1
D7556	98	49	N/A	643	N/A	N/A	N/A	N/A	N/A	N/A	1/4" F	9.6
OTB450A	282	86	148	327	222	157	133	N/A	N/A	N/A	1/4" M	6.0
WS1500200	240	127	80	347	160	N/A	N/A	1" F	N/A	1" F	1" F	3.3
880800	165	95	130	225	165	N/A	N/A	N/A	N/A	1" M	1" M	1.4
880801	165	95	130	225	165	N/A	N/A	N/A	N/A	1" M	1" M	1.4

TECHNICAL HOME MASTER

WATER PRESSURE PUMPS

MATERIALS OF CONSTRUCTION

COMPONENT	SURFACE PUMPS - MODEL		
	JM	JS	MULTI EVO
IMPELLER(S)	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER
DIFFUSER	NORYL	NORYL	TECHNOPOLYMER
DIFFUSER INSERT	SS 304	SS 304	SS 304
JET/VENTURI	NORYL	NORYL	N/A
PUMP CASING	POLYPROPYLENE	SS 304	SS 304
MOTOR CASE	ALUMINIUM CA313	ALUMINIUM CA313	ALUMINIUM CA313
ENDSHIELD	ALUMINIUM CA313	ALUMINIUM CA313	ALUMINIUM CA313
SUCTION FLANGE	N/A	N/A	N/A
MOTOR FLANGE	N/A	N/A	N/A
FAN COWL	POLYPROPYLENE	POLYPROPYLENE	POLYPROPYLENE
MECHANICAL SEAL	CARBON/CERAMIC	CARBON/CERAMIC	CARBON/CERAMIC
MOTOR SHAFT	SS 416	SS 416	SS 416
DISCHARGE	POLYPROPYLENE	SS 304	SS 304
TIE RODS	N/A	N/A	N/A
BASE	POLYPROPYLENE	POLYPROPYLENE	SS304
POWER CABLE	PVC	PVC	PVC

COMPONENT	SUBMERSIBLE PUMPS - MODEL	
	DOMINATOR	TANKBUDDY
IMPELLER(S)	ACETAL	TECHNOPOLYMER
DIFFUSER	POLYCARBONATE	TECHNOPOLYMER
DIFFUSER INSERT	SS 304	SS 304
PUMP CASING	SS 304	POWDER COATED ALLOY
MOTOR CASE	SS 304	SS 304
SUCTION FLANGE	NORYL	TECHNOPOLYMER
MECHANICAL SEAL	CARBON/CERAMIC	N/A
DISCHARGE	NORYL	POWDER COATED ALLOY
DISCHARGE INSERT	SS 304	N/A
OIL SEAL	N/A	NITRILE
POWER CABLE	H07RN-F	H07RN-F
FLOAT CABLE	N/A	H07RN-F

TECHNICAL HOME MASTER

WATER PRESSURE PUMPS

MODEL DATA

	MODEL
	WATERSWITCH
MAINS WATER SUPPLY INLET	1" BSP F
PUMP CONNECTION	1" BSP F
WATER OUTLET CONNECTION	1" BSP F
MAXIMUM PRESSURE	1000 kPa
MAXIMUM ELECTRICAL LEAD	10A (240V A.C.)
WATER TEMPERATURE RANGE	1°C to 40°C
MAXIMUM AMBIENT TEMPERATURE	1°C to 40°C

MODEL DATA

	MODEL
	WATERSWITCH
RATED SUPPLY VOLTAGE	230-240V A.C.
MAXIMUM ELECTRICAL LOAD	10A
POWER CONSUMPTION (MAINS)	1W
POWER CONSUMPTION (TANK)	18W
V-Ø-HZ	230-1-50
LEVER SENSOR JACK TYPE	LOCKABLE 6.3MM DC PLUG

ELECTRICAL / MOTOR DATA

MODEL	POWER (P1)		POWER (P2)		ELECTRIC SUPPLY			NOMINAL SPEED RPM	IP RATING	INSULATION CLASS	RATED FLA	STARTING	CAPACITOR MF	CORD CONNECTION	PLUG TYPE	PROTECTION
	HP	KW	HP	KW	V	PH	HZ									
JM100	0.60	0.45	0.40	0.30	230	1	50	2850	IP44	CLASS F	2.1	PSC	10.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
JS45	0.80	0.60	0.50	0.37	230	1	50	2850	IP44	CLASS F	3.0	PSC	8.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
JS60	1.10	0.80	0.75	0.55	230	1	50	2850	IP44	CLASS F	4.0	PSC	12.5	O-RING IEC	3 PIN AUS. PLUG	THERMAL
JS90	1.80	1.30	1.00	0.75	230	1	50	2850	IP44	CLASS F	6.5	PSC	20.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME340	1.10	0.80	0.68	0.51	230	1	50	2850	IP55	CLASS F	3.7	PSC	13.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME350	1.34	1.00	0.94	0.70	230	1	50	2850	IP55	CLASS F	4.4	PSC	16.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME360	1.68	1.25	1.20	0.90	230	1	50	2850	IP55	CLASS F	5.7	PSC	20.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME540	1.50	1.10	1.00	0.75	230	1	50	2850	IP55	CLASS F	4.7	PSC	16.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME550	1.80	1.35	1.27	0.95	230	1	50	2850	IP55	CLASS F	6.2	PSC	20.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME560	2.20	1.65	1.60	1.20	230	1	50	2850	IP55	CLASS F	7.5	PSC	31.5	O-RING IEC	3 PIN AUS. PLUG	THERMAL
OME850	2.70	2.00	1.90	1.40	230	1	50	2850	IP55	CLASS F	9.0	PSC	35.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL
IMH750	1.30	0.97	1.00	0.75	230	1	50	2890	IP55	CLASS F	3.1	PSC	N/A	N/A	3 PIN AUS. PLUG	THERMAL
IMH1100	1.85	1.38	1.48	1.10	230	1	50	2890	IP55	CLASS F	4.4	PSC	N/A	N/A	3 PIN AUS. PLUG	THERMAL
IMH2200	3.54	2.64	2.95	2.20	230	1	50	2890	IP55	CLASS F	8.2	PSC	N/A	N/A	3 PIN AUS. PLUG	THERMAL
D7535	0.8	0.6	0.5	0.35	230	1	50	2850	IP68	CLASS F	3.0	PSC	12.5	N/A	3 PIN AUS. PLUG	THERMAL
D7556	1	0.75	0.8	0.6	230	1	50	2850	IP68	CLASS F	3.3	PSC	16.0	N/A	3 PIN AUS. PLUG	THERMAL
D11557	1.5	1.1	1	0.8	230	1	50	2850	IP68	CLASS F	5.0	PSC	16.0	N/A	3 PIN AUS. PLUG	THERMAL
OTB450A	1.1	0.82	0.87	0.65	230	1	50	2850	IP68	CLASS F	4.0	PSC	8.0	N/A	3 PIN AUS. PLUG	THERMAL
OTB450W	1.1	0.82	0.87	0.65	230	1	50	2850	IP68	CLASS F	4.0	PSC	8.0	O-RING IEC	3 PIN AUS. PLUG	THERMAL

MODEL DATA - SURFACE PUMPS

MODEL	CARTON DIMENSIONS (MM)			PUMP WEIGHT (KG)	PACKAGED WEIGHT (KG)	SUCTION INLET	DISCHARGE OUTLET	MAX. OPERATING PRESSURE (KPA)	MIN. OPERATING PRESSURE (KPA)	MAX TEMP. OF PUMPED FLUID (°C)	AMBIENT TEMP (°C)	NO OF STAGES
	L	W	H									
JMP100	652	235	288	10.1	11.1	1" BSPF	1" BSPF	600	140	40	1-50	1
JSP45	652	235	288	9.2	10.2	1" BSPF	1" BSPF	600	140	50	1-40	1
JSP45	652	235	288	11.2	12.2	1" BSPF	1" BSPF	600	140	50	1-40	1
JSP45	730	275	320	15.2	16.2	1 1/4" BSPM	1" BSPF	600	140	50	1-40	1
OME340P	670	230	300	9.5	10.30	1" BSPF	1" BSPF	800	140	50	1-40	4
OME350P	670	230	300	11.5	12.30	1" BSPF	1" BSPF	800	210	50	1-40	5
OME360P	670	230	300	13.0	13.80	1" BSPF	1" BSPF	800	210	50	1-40	6
OME540P	670	230	300	11.2	12.00	1" BSPF	1" BSPF	800	140	50	1-40	4
OME550P	670	230	300	13.0	13.80	1" BSPF	1" BSPF	800	210	50	1-40	5
OME560P	730	275	265	16.0	16.80	1" BSPF	1" BSPF	800	210	50	1-40	6
OME850P	730	275	265	17.0	17.80	1 1/4" BSPF	1 1/4" BSPF	800	210	50	1-40	5
IMH750	520	320	400	19.0	20.50	1" BSPF	1" BSPF	1000	N/A	40	1-40	6
IMH1100	520	320	400	19.0	20.50	1 1/4" BSPF	1" BSPF	1000	N/A	40	1-40	6
IMH2200	520	320	400	28.0	30.00	1 1/2" BSPF	1 1/4" BSPF	1000	N/A	40	1-40	5

MODEL DATA - SUBMERSIBLE PUMPS

MODEL	CARTON DIMENSIONS (MM)			PUMP WEIGHT (KG)	PACKAGED WEIGHT (KG)	SUCTION INLET	MAX. OP. PRES. (KPA)	MIN. OP. PRE. (KPA)	MAX TEMP. OF PUMPED FLUID (°C)	ELECTRICAL CABLE LENGTH (M)	PUMP ON HEIGHT (MM)	PUMP OFF HEIGHT (MM)	MAXIMUM SUBMERSION (M)	MIN. PRIMING LEVEL (MM)	NO OF STAGES
	L	W	H												
D7535	620	240	125	8.1	9.1	1 1/4" BSPF	800	140	40	20	N/A	N/A	20	120	5
D7556	720	240	125	9.6	10.7	1 1/4" BSPF	800	140	40	20	N/A	N/A	20	120	8
D11557	720	240	125	9.9	11	1 1/4" BSPF	800	140	40	20	N/A	N/A	20	120	8
OTB450A	280	245	415	6	8	1 1/4" BSPM	360	N/A	40	10	400	150	7	80	3
OTB450W	280	245	415	6	8	1 1/4" BSPM	360	N/A	40	10	N/A	N/A	7	80	3

INSTALLATION TIPS HOME MASTER

WATER PRESSURE PUMPS

FLOAT SWITCH

Should the installer be unfamiliar with the correct installation or operation of this type of equipment you should contact the distributor/manufacturer for the correct advice before proceeding with the installation or operation of this product.

Onga highly recommend the use of this float switch with all WaterSwitch installations. In-ground tank installations not fitted with this float switch may void WaterSwitch warranty.

INSTALLATION

1. Determine a suitable position in the tank roof within reach of the man-hole, to drill a 16mm hole for switch cable penetration. (Note: Hole saw available from Onga dealer).
2. Install the supplied cable gland, with the Locknut positioned inside the tank.

3. Surface Tank Installations

Drape the level sensor up against the side of the tank, lifting the cable until the float is 70mm above the suction. At this point mark the position of the cable that is level with the roof of the tank using the marking tape (supplied).

IN-GROUND INSTALLATIONS

Lower the float into the tank. Position the float 70mm above the suction fitting or pump inlet. Use the marking tape (supplied) on the cable to indicate top of tank position.

4. Feed the D.C Connector plug, on the end of the float switch cable, through the cable gland from the inside of the tank.
5. Pull the cable through the gland until the tape marker appears and is level with the top of the tank.
6. Tighten the gland's external 'dome nut' to fix the cable position.
7. Once in position, route the cable to the Onga WaterSwitch and plug the connector to the matching receptor on the underside of the panel.
8. Using the cable ties, fix the cable to the pipework near the Onga WaterSwitch to avoid the cable accidentally being pulled free.

To suit installations where the Onga WaterSwitch is located away from the tank, use:

- Extension Lead Float Switch (10m) - Part No. 707171



TROUBLESHOOTING HOMEMASTER WATER PRESSURE PUMPS

WATER PRESSURE PUMPS

ALL MODELS

SYMPTOM	CAUSE	REMEDY
THE MOTOR IS NOT RUNNING, AND THE PUMP DOES NOT PUMP WATER.	No power to the motor	Check for correct voltage, and ensure that the pump is correctly connected.
	The motor protection has tripped	Wait for the pump to cool down. Check the circuit breaker and reset if necessary.
	Pump humming and won't start	Contact service agent (capacitor issue).
	The pump is clogged	Disconnect the pump from the power source. Unblock the pump. Remove cause of blockage.
	The DROP system has tripped	Fill the pump with cool water. Find and fix the cause of the trip.
THE MOTOR RUNS BUT NO WATER IS PUMPED	The pump is entraining air	1. Make sure that joints are air tight. 2. Check that the water level has not fallen below the suction inlet.
	The suction strainer is blocked	Clean the suction strainer. Remove the source of blockage (e.g. trees dropping leaves or sap over roof).
	Check valve is blocked or shut	Clean or replace the valve.
THE PUMP STOPS AFTER A SHORT RUN TIME - THERMAL OVERLOAD TRIP	The power supply is not correct for the motor	Check the power supply, and rectify.
	The impellers are blocked with foreign material	Disconnect the pump from the power source. Unblock the pump. Remove cause of blockage.
	The fluid being pumped is too dense or too viscous	Change pump type depending on the application.
PUMP PERFORMANCE IS LOWER THAN EXPECTED	High suction friction loss	Install new suction line as short and straight as possible. Ensure suction line pipe diameter is at least as large as inlet diameter.
	High discharge friction loss	Check discharge piping, minimise fittings and bends, while maximising pipe diameter.
	Pump incorrectly selected, or installation has changed since original design	Check all application data as installed, and reselect pump.
	Pump performance not recalculated for suction lift	Calculate pump performance with actual suction lift.

Before carrying out any kind of maintenance or work in the water or out of the water, disconnect the pump from the mains. If the connection plug or power outlet are wet, isolate that circuit at the meter board.

The pump must be protected by an earth leakage circuit breaker with a breaking current of 30milliamps ($I_{\Delta n} < 30\text{mA}$)

- Isolate pump electrically before performing and maintenance.
- Ensure power supply is locked out while you are working on that circuit.
- Check power is disconnected using a meter
- Check capacitors for stored charge
- Release system pressure before disconnecting fittings
- Use appropriate lifting equipment when moving these pumps.

PERFORMANCE HOMEMASTER CONTROLLERS

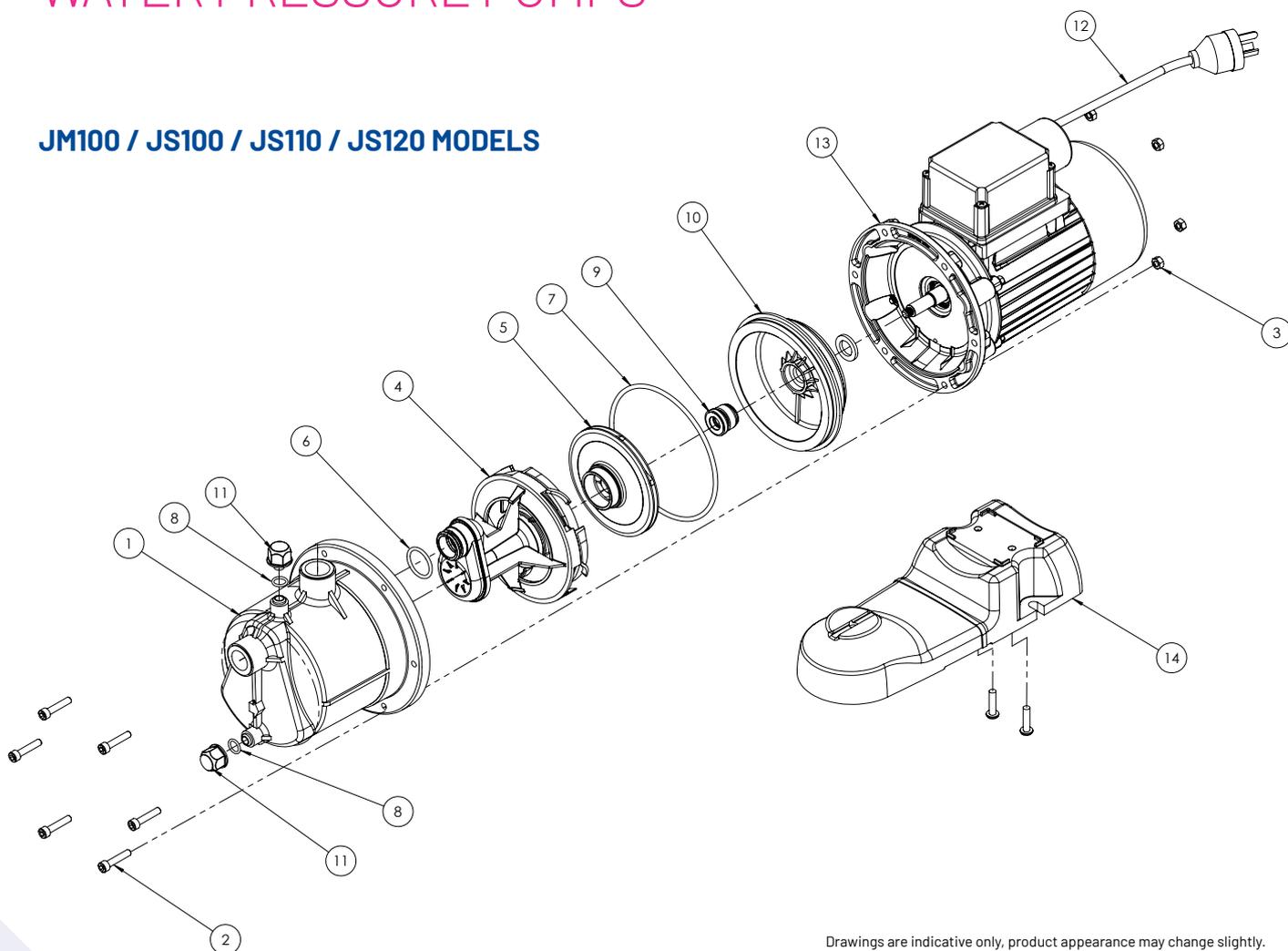
AUTOMATIC RAINWATER CONTROLLER

WATERSWITCH

SYMPTOM	CAUSE	REMEDY
NO WATER IS BEING DELIVERED FROM PUMP	Water tank is empty	Wait until the tank has some water in it.
	No power at outlet	Check power supply, circuit breakers and plug.
	Bad signal from level sensor	Check installation and operation of the level sensor
	Pump has overheated	Allow pump to cool.
	Pump is worn by abrasive or chemically aggressive materials	Have pump serviced by professional. Check rain water system for source of materials.
NO WATER IS BEING DELIVERED FROM PUMP: [WATERSWITCH HAS GONE INTO 'LOST PRIME' MODE (MAINS LED ON, TANK LED FLASHING)]	Gate valve at tank outlet is closed, or other tap is closed	Open gate valve. Check other taps (e.g. Toilet water cistern tap) to make sure they fully open.
	Pump is not primed	See Pump owner's manual for details on priming pump. Prime the pump before connecting WaterSwitch.
	Filter cartridge is at end of life	Replace filter cartridge.
NO WATER SUPPLY AT ALL	Valves are closed	Open all valves.
	Blockage in system	Clean tank interior, unblock all pipes.
	Incoming mains water pressure is greater than 500kPa	Fit a pressure reduction valve to reduce incoming mains pressure.
POOR WATER PRESSURE	Filter cartridge at end of life	Replace filter cartridge.
	Too much flow through WaterSwitch	Have a pump professional look at flow rate.
	Pump is too small for application	Have a pump professional recommend a larger pump.
PUMP CONTINUALLY RUNS	Mains water leaking through dual check valve	Install suitable strainer to mains water inlet or clean/replace dual check valve.
	Internal flow switch stuck open	Fit in-line strainer (200 microns) between pump and waterswitch and/or install pressure reducing valve (500 kPa) at mains water inlet to waterswitch.

SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

JM100 / JS100 / JS110 / JS120 MODELS



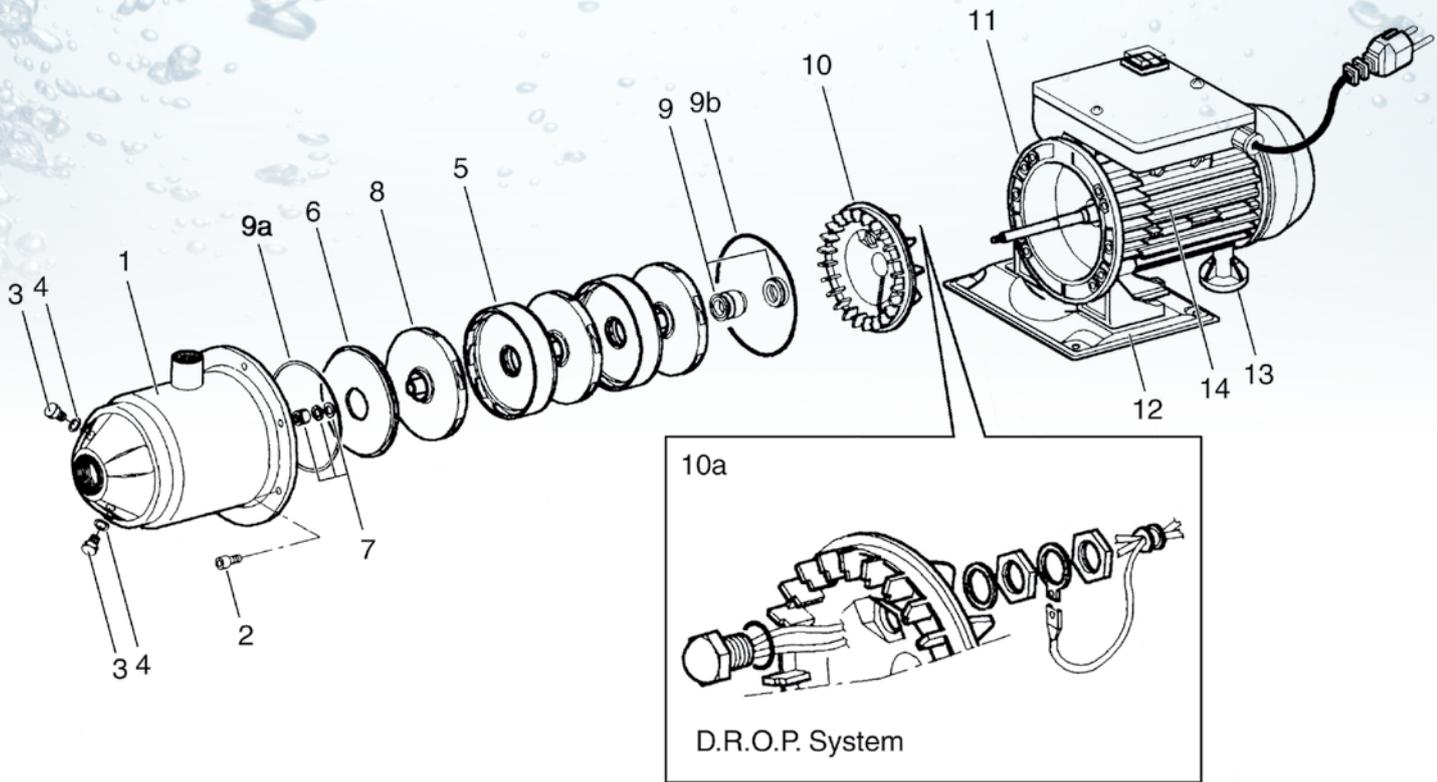
Drawings are indicative only, product appearance may change slightly.

REF NO.	COMPONENT DESCRIPTION	JM100 JM1000	
REF NO.	COMPONENT DESCRIPTION	PART NO.	
1	CASING	101P2740	1PC
2	SCREWS (CASING)	800906K	8PC
3			8PC
4	DIFFUSER	101P3430	1PC
5	IMPELLER	731S2220	1PC
6	MECHANICAL SEAL KIT		1PC
7		800877K	1PC
8			1PC
9			1PC
10	BAFFLE	101P1290	1PC
11	FILL & DRAIN KIT	102P1030	2PC
12	LEAD AND PLUG	608160	1PC
13	MOTOR	800647	1PC
14	BASE	304590	1PC

REF NO.	COMPONENT DESCRIPTION	JS100 JS1000 JS110 JS1100		JS120 JM1200	
REF NO.	COMPONENT DESCRIPTION	PART NO.		PART NO.	
1	CASING	723S0710-C	1PC	723S0010-C	1PC
2	SCREWS (CASING)	800907K	8PC	800907K	8PC
3			8PC		8PC
4	DIFFUSER & VENTURI	101P3430	1PC	101P2910	1PC
5	IMPELLER	731S2230	1PC	509310K	1PC
6	MECHANICAL SEAL KIT		1PC		1PC
7		800878K	1PC	800879K	1PC
8			1PC		1PC
9			1PC		1PC
10	BAFFLE	101P1290	1PC	784S0070	1PC
11	FILL/DRAIN PLUG	121P0690	2PC	121P0690	2PC
12	LEAD & IEC PLUG (10AMP)	608160	1PC	608160	1PC
13	MOTOR	800647	1PC	800648	1PC
14	BASE (MOULDED)	304590	1PC	304600	1PC

SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

SMH RANGE MODELS

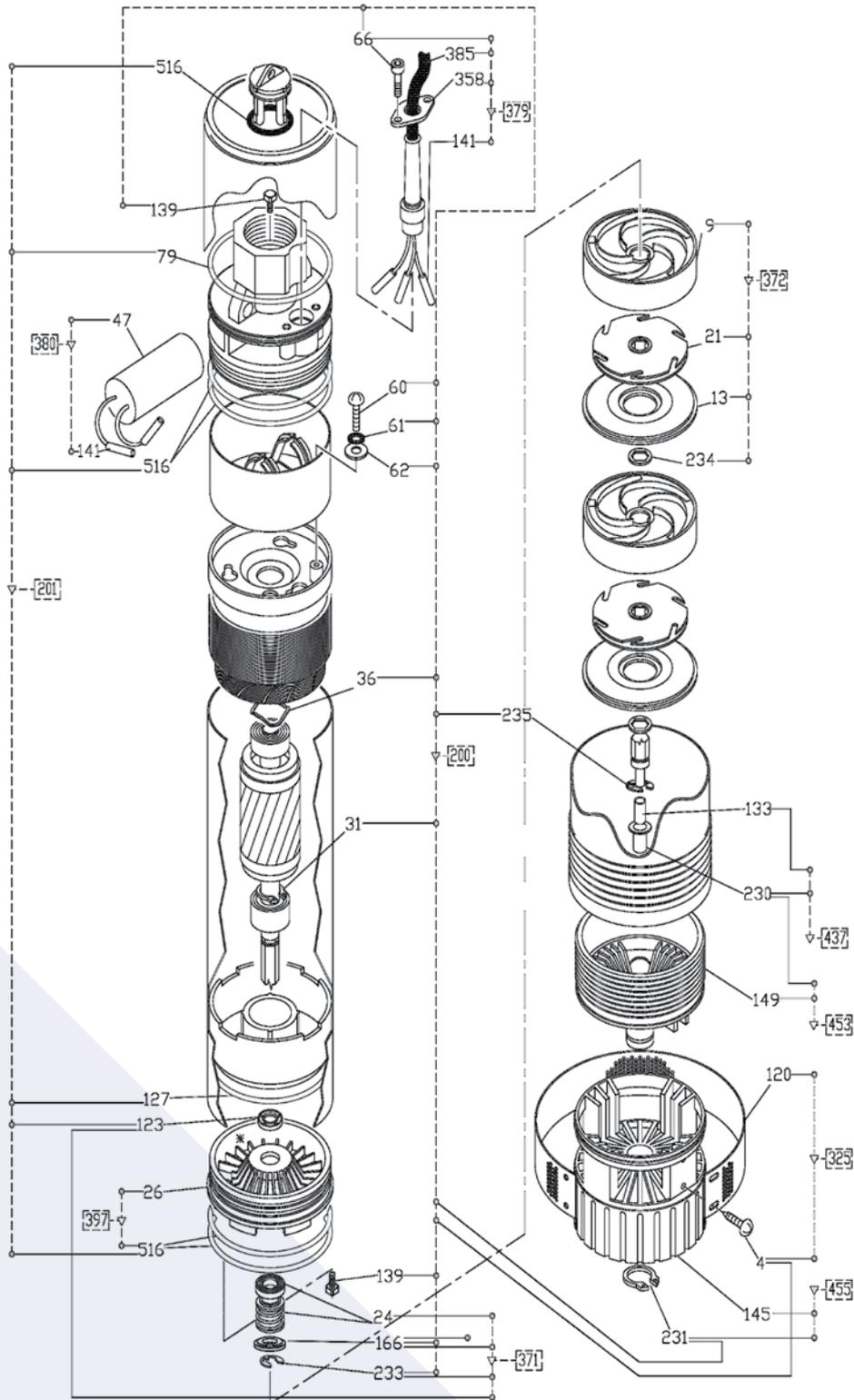


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REF NO.	COMPONENT DESCRIPTION	SMH35 SMH350		SMH45 SMH450		SMH55 SMH550		SMH75 SMH750		SMH900 SMH900	
		PART NO.		PART NO.		PART NO.		PART NO.		PART NO.	
1	PUMP CASING	723S0530	1PC	723S3200	1PC	723S3200	1PC	723S3200	1PC	723S3190	1PC
2	SCREWS (PK 8)	800907K	1PC	800907K	1PC	800907K	1PC	800907K	1PC	800907K	1PC
3	DRAIN PLUG	121P6090	2PC	121P6090	1PC	121P6090	1PC	121P6090	1PC	121P6090	1PC
4	DRAIN WASHER	121P0090	2PC								
5	DIFFUSER	101P4810	NO. STAGES	101P4810	NO. STAGES	101P4810	NO. STAGES	101P4810	NO. STAGES	101P4810	NO. STAGES
6	DIFFUSER KIT	801385K	1PC	801385K	1PC	801386K	1PC	801386K	1PC	801386K	1PC
7	LOCKNUT & WASHER KIT	800902K	1PC	800902K	1PC	800902K	1PC	800902K	1PC	800902K	1PC
8	IMPELLER	101P2040	NO. STAGES	101P2040	NO. STAGES	101P2040	NO. STAGES	101P2050	NO. STAGES	101P2050	NO. STAGES
9	SEAL KIT	800880K	1PC	800880K	1PC	800880K	1PC	800880K	1PC	800880K	1PC
10	BAFFLE ONLY	101P2980	1PC	-	1PC	-	1PC	-	1PC	-	1PC
10a	BAFFLE WITH DROP SYSTEM	-	1PC	751S2270	1PC	751S2270	1PC	751S2270	1PC	751S2270	1PC
11	BASE	ZB401770	1PC	ZB401770	1PC	ZB401770	1PC	ZB401770	1PC	ZB401770	1PC
12	LEAD & IEC PLUG (NS)	608160	1PC	608160	1PC	608160	1PC	608160	1PC	608160	1PC
13	MOTOR - COMPLETE 0.35kW 1PH	791S1330	1PC	-	1PC	-	1PC	-	1PC	-	1PC
	MOTOR - COMPLETE 0.45kW 1PH		1PC	ZBR04910	1PC	-	1PC	-	1PC	-	1PC
	MOTOR - COMPLETE 0.55kW 1PH		1PC	-	1PC	ZBR04920	1PC	-	1PC	-	1PC
	MOTOR - COMPLETE 0.75kW 1PH		1PC	-	1PC	-	1PC	ZBR04930	1PC	-	1PC
	MOTOR - COMPLETE 0.90kW 1PH		1PC	-	1PC	-	1PC	-	1PC	ZBR04940	1PC

SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

DOMINATOR MODELS



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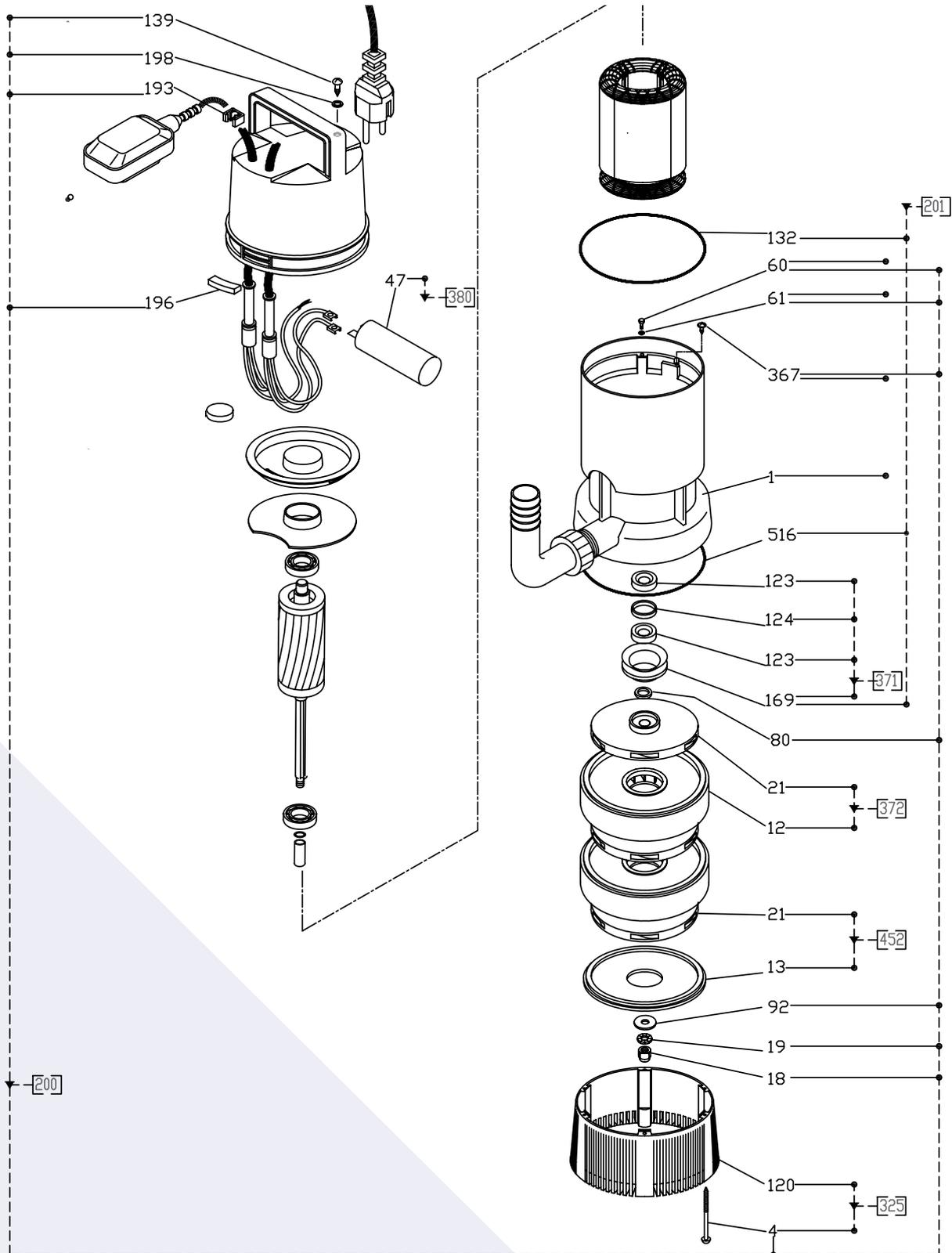
SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

DOMINATOR MODELS (CONT'D)

KIT NO.	KIT REFERENCE	REF NO.	COMPONENT DESCRIPTION	75/35 5 STAGE D7535		75/56 8 STAGE D7556		115/57 8 STAGE D11557	
				PART NO.		PART NO.		PART NO.	
200	BOLTS & SCREW KITS	233	SNAP RING (SEAL)	ZBR32910	1PC	ZBR32910	1PC	ZBR32910	1PC
		166	WASHER SEAL COMPRESSION		1PC		1PC		1PC
		139	O-RING COVER		2PC		2PC		2PC
		61	WASHER TOOTHED (MOTOR)		1PC		1PC		1PC
		60	SCREW (MOTOR)		1PC		1PC		1PC
		66	SCREW (CABLE)		2PC		2PC		2PC
		235	SNAP RING (START UP)		1PC		1PC		1PC
		4	SCREW (SUCTION)		2PC		2PC		2PC
		231	SNAP RING (SUCTION)		1PC		1PC		1PC
		62	WASHER WASHER PLAIN (MOTOR)		1PC		1PC		1PC
		31	SNAP RING (MOTOR)		1PC		1PC		1PC
		36	RING ELASTIC (MOTOR)		1PC		1PC		1PC
201	GASKET KIT	259	O-RING	ZBR32920	1PC	ZBR32920	1PC	ZBR32920	1PC
		79	GASKET (MOTOR BODY)		1PC		1PC		1PC
		516	O-RING (MOTOR)		4PC		4PC		4PC
		127	O-RING (LOWER BEARING - MOTOR)		1PC		1PC		1PC
		123	RING SEAL		1PC		1PC		1PC
325	FILTER (COMPLETE)	120	FILTER	ZBR33100	1PC	ZBR33100	1PC	ZBR33100	1PC
		4	SCREW		2PC		2PC		2PC
371	MECHANICAL SEAL KIT	24	MECHANICAL SEAL	ZBR32960	1PC	ZBR32960	1PC	ZBR32960	1PC
		123	RING SEAL		1PC		1PC		1PC
		166	WASHER SEAL COMPRESSION		1PC		1PC		1PC
		233	SNAP RING (SEAL)		1PC		1PC		1PC
372	HYDRAULIC KIT	9	DIFFUSER	ZBR28890	1PC	ZBR28890	1PC	ZBR28900	1PC
		21	IMPELLER		1PC		1PC		1PC
		13	CAP (DIFFUSER)		1PC		1PC		1PC
		234	THRUST PAD		1PC		1PC		1PC
	CABLE DOMINATOR	385	POWER CABLE	751S5860	1PC	751S5860	1PC	751S5860	1PC
380	CAPACITOR KIT	47	CAPACITOR	ZBR25550	1PC	ZBR25950	1PC	ZBR25950	1PC
		141	CONNECTOR 2.5 SQMM		1PC		1PC		1PC
437	RING GUIDE KIT	133	BUSHING (CERAMIC)	ZBR33110	1PC	ZBR33110	1PC	ZBR33110	1PC
		230	BEARING (BRONZE)		1PC		1PC		1PC
453	SUPPORT FLANGE KIT	149	FLANGE (SUCTION)	ZBR33050	1PC	ZBR33050	1PC	ZBR33050	1PC
		230	BEARING (BRONZE)		1PC		1PC		1PC
455	BASE KIT	231	SNAP RING	ZBR33030	1PC	ZBR33030	1PC	ZBR33030	1PC
		145	BASE (FILTER)		1PC		1PC		1PC

SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

OTB450 MODELS



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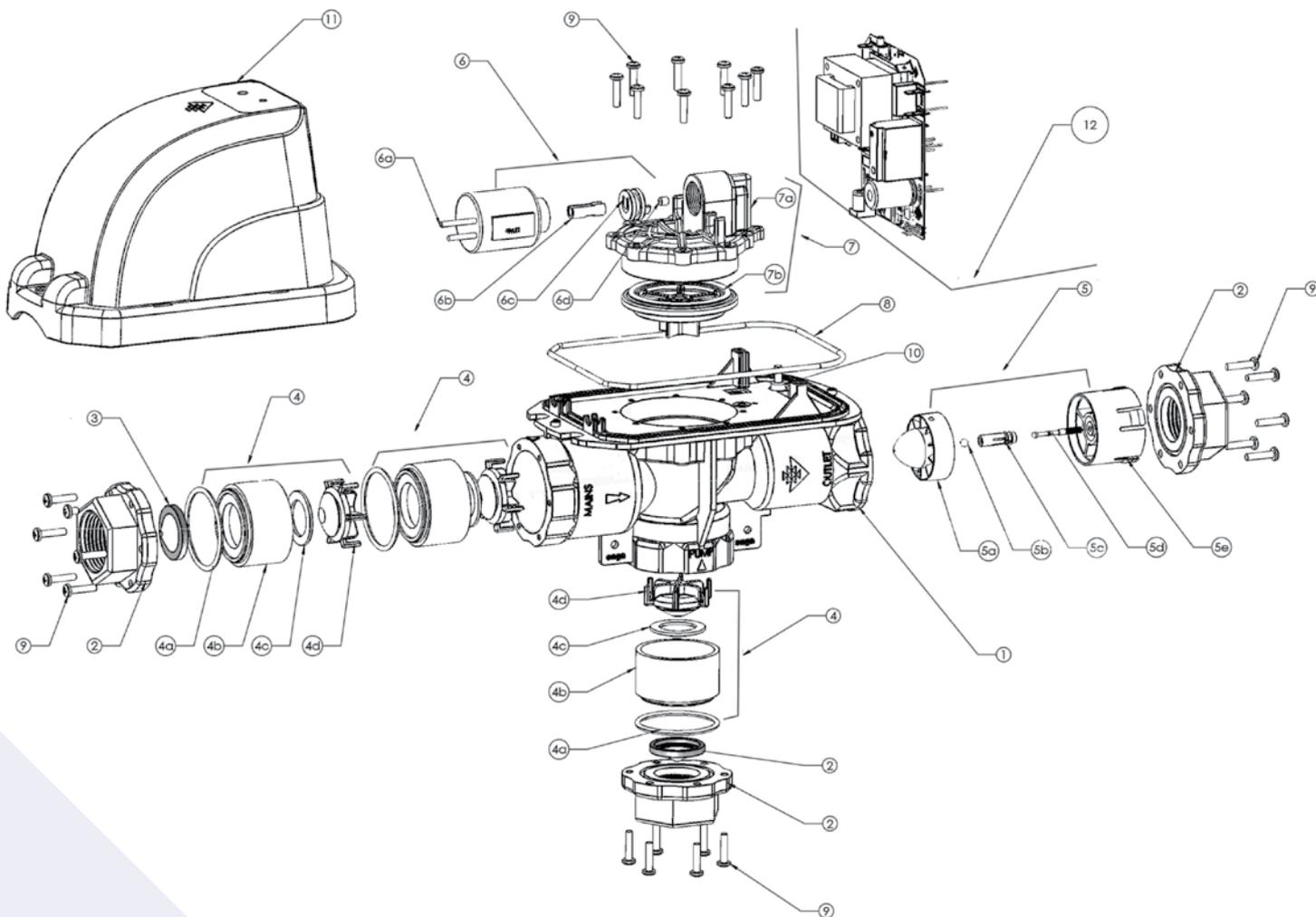
SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

OTB450 MODELS (CONT'D)

				TANKBUDDY OTB450	
KIT NO.	KIT REFERENCE	REF NO.	COMPONENT DESCRIPTION	PART NO.	
200	BOLTS & SCREW KIT	139	SCREW (INSPECTION)	ZBR37780	1PC
		198	ORING (INSPECTION)		1PC
		193	CLIP (FLOAT SWITCH)		1PC
		4	SCREW		6PC
		18	NUT (SELF-LOCKING)		1PC
		19	WASHER IMPELLER (TOOTHED)		1PC
		80	SPACER (IMPELLER)		1PC
		92	WASHER		1PC
		196	KEY		1PC
		367	SCREW		4PC
		61	WASHER (GROUND SCREW TOOTHED)		1PC
		60	SCREW (GROUND)		1PC
201	GASKET KIT	132	ORING (MOTOR BODY)	ZBR37790	1PC
		169	SAND PROTECTION		1PC
		516	ORING		1PC
325	FILTER COMPLETE	120	FILTER	ZBR37800	1PC
		4	SCREW		6PC
341	BEARING KIT	135	FLANGE	ZBR37910	1PC
		29	UPPER BEARING		1PC
371	MECHANICAL SEAL KIT	123	RING	ZBR37810	2PC
		124	SPACER (SEAL RING)		1PC
		169	SAND PROTECTION		1PC
372	HYDRAULIC KIT	12	DIFFUSER (WELDED)	ZBR36630	1PC
		21	IMPELLER		1PC
380	CAPACITOR KIT	47	CAPACITOR	ZBR36440	1PC
452	HYDRAULIC KIT FIRST STAGE	13	CAP (DIFFUSER)	ZBR37860	1PC
		21	IMPELLER		1PC

SPARE PARTS HOMEMASTER WATER PRESSURE PUMPS

WATERSWITCH



WATERSWITCH WS1500120			
REF NO.	COMPONENT DESCRIPTION	PART NO.	
2	HYDRAULIC ASSEMBLY END CAPS	707506K	3PC
	CHECK VALVE ASSEMBLY INC.		3PC
4	OUTER ORING	707506K	3PC
	CHECK VALVE SHUT OFF VALVE		3PC
	SEAL WASHER		3PC
	CHECK VALVE SHUT OFF VALVE		3PC
12	HYDRAULIC ASSEMBLY	707500	1PC
13	PCB ASSEMBLY WS2000	707522K	1PC
NS	ADAPTOR KIT WS1500	801489K	1PC
NS	BRIDGING JACK (FLOATLESS)	707546K	1PC

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