

Specification, Installation and Operation Manual

Bain Marie



Models:

W.BMA22 / W.BMA23 / W.BMA24 / W.BMA25
W,BMA26 / W.BMS11 / W.BML21

A guide on the use, care and maintenance
of your quality Woodson product

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1.1 Your New Woodson Product

Thank you for choosing this quality Woodson product.

All Woodson products are designed and manufactured to meet the needs of food service professionals. By caring for and maintaining this new Woodson product in accordance with these instructions, will provide many years of reliable service.

Stoddart is a wholly Australian owned company, which manufactures and/or distributes a comprehensive range of food service equipment for kitchens, food preparation and presentation. Stoddart products are manufactured and engineered to provide excellent results whilst offering value-for-money, ease-of-use and reliability.

Carefully read this instruction booklet, as it contains important advice for safe installation, operation and maintenance. Keep this booklet on hand in a safe place for future reference by other operators or users.

Disclaimer

The manufacturer/distributor cannot be held responsible or liable for any injuries or damages of any kind that occur to persons, units or others, due to abuse and misuse of this unit in regards to installation, removal, operation, servicing or maintenance, or lack of conformity with the instructions indicated in this documentation.

All units made by the manufacturer/distributor are delivered assembled, where possible, and ready to install. Any installation, removal, servicing, maintenance and access or removal of any parts, panels or safety barriers that is not permitted, does not comply in accordance to this documentation, or not performed by a **TRAINED AND AUTHORISED SPECIALIST** will result in the **IMMEDIATE LOSS OF THE WARRANTY.**

The manufacturer/distributor cannot be held responsible or liable for any unauthorised modifications or repairs. All modifications or repairs must be approved by the manufacturer/distributor in writing before initiating. All modifications or repairs performed to this unit must be performed at all times by a **TRAINED AND AUTHORISED SPECIALIST.**

**Stoddart design, manufacture & distribute Food Service Equipment (appliances) exclusively for the commercial market.
This appliance is not designed nor intended for household or domestic use and must not be used for this purpose.**

This product is intended for commercial use, and in line with Australian electrical safety standards the following warnings are provided:

- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard



Warranty & Registration

1.2 Australia and New Zealand Warranty

1.2.1 Warranty Period

Stoddart 12 month on-site parts and labour warranty (terms and conditions apply), from the time of purchase.

To view or download the warranty terms and conditions visit: <http://www.stoddart.com.au/warranty-information>

1.2.2 Warranty Registration

To register your new product, go to the Stoddart warranty page: <http://www.stoddart.com.au/warranty-registration>




1.3 General Precautions

When using any electrical unit, safety precautions must always be observed.

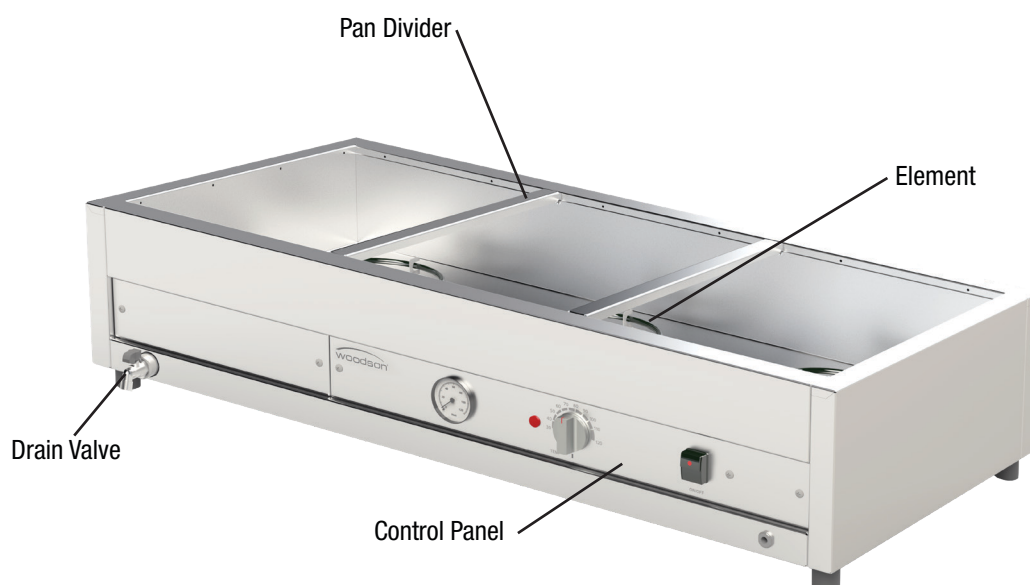
Our units have been designed for high performance. Therefore, the unit must be used exclusively for the purpose for which it has been designed.

- All units **MUST** be installed according to the procedures stated in the installation section of this manual
- In the case of new personnel, training is to be provided before operating the equipment
- **DO NOT** use this unit for any other purpose than its intended use
- **DO NOT** store explosive substances such as aerosol cans with a flammable propellant in or near this unit
- Keep fingers out of “pinch point” areas
- Unit is not waterproof **DO NOT** use jet sprays, hoses or pour water over/on the exterior of the unit
- Only use this unit with voltage specified on the rating label
- **Do NOT** remove any cover panels that may be on the unit
- **DO NOT** use sharp objects to activate controls
- If any fault is detected, refer to troubleshooting
- The manufacturer declines any liability for damages to persons and/or things due to an improper/wrong and/or unreasonable use of the machine
- Only specifically trained/qualified Technicians (Stoddart, one of our service agents, or a similarly qualified persons) should carry out any and all repairs, maintenance and services

2.1 Product Overview


	<p style="text-align: center;">WARNING</p> <p>The water in the unit and the surfaces of this unit are HOT when operating. Take caution and do NOT place any part of the body in the water.</p>
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Large Bain Marie - W.BMA23



Woodson bain maries are for wet use only.

2.2 Setting Up

	<p style="text-align: center;">WARNING</p> <p>Improper installation, adjustments, alterations, service or maintenance can cause property damage, injury or death.</p>
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2.2.1 Handling

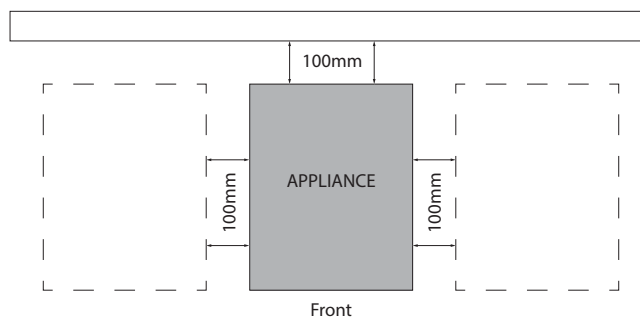
- Use suitable means to move the unit;
 - For smaller items use two people
 - For large items a fork lift, pallet trolley or similar (the forks should reach completely beneath the pallet)

2.2.2 Unpacking

- Check the unit for damage before and after unpacking. If unit is damaged, contact the distributor and manufacturer
- Should any item have physical damage, report the details to the freight company and to the agent responsible for the dispatch within seven (7) days of receipt. No claims will be accepted or processed after this period
- The unit is supplied fully assembled
- Remove all protective plastic film, tapes, ties and packers before installing and operating
- Clean off any remaining residue from the interior/exterior of the unit using a clean cloth dampened with warm soapy water

2.2.3 Positioning

- Choose an area that is well ventilated and provides access for future maintenance
- Place the unit on a level stable work surface capable of supporting its weight
- Do not position the unit in:
 - Wet areas
 - Near heat and/or steam sources
 - Near flammable substances
- Allow an air gap between the unit and other objects or surfaces. A minimum gap of 100mm from all sides is recommend for normal operational use (if the unit is near any heat sensitive material we suggest you allow additional space)




- Please consult national and local standards to ensure that your unit is positioned in accordance with any existing requirement

2.2.4 Disposal

- At the end of the appliance's working life, make sure it is scrapped & components recycled properly
- Current environmental protection laws in the state/country of use must be observed
- Doors must be removed before disposal (if applicable)
- Power supply cable must be removed before disposal
- For further information on the recycling of this product, contact the local dealer/agent or the local body responsible for waste disposal

2.3 Electrical Connection

	WARNING
	<p style="text-align: center;">This unit must be installed in accordance with AS/NZS 60335.1</p> <p>Some procedures in this manual require the power to the equipment to be turned off and isolated. Turn the power OFF at the power point and unplug the power supply lead by the plug body. If the power point is not readily accessible turn the equipment off at the isolation switch or the circuit breaker in the switchboard. Attach a yellow “CAUTION-DO NOT OPERATE” tag. This must be performed where relevant unless the procedures specify otherwise.</p> <p style="text-align: center;">FAILURE TO DO SO MAY RESULT IN ELECTRIC SHOCK.</p>



Single Phase Units:

- Supplied and fitted with an appropriately rated plug and lead, indicated as:
- 10A plug & lead fitted

Notes:

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Please contact Stoddart for parts and we will advise how to do this in order to avoid any electrical hazard
- The power cable should be dry and/or isolated from moisture or water

2.4 Plumbing Connections

	IMPORTANT
	<p style="text-align: center;">This unit must be installed in accordance with AS/NZ 3500.1</p>
	IMPORTANT
	<p style="text-align: center;">This unit must be operated on potable water. If the water has a high mineral content, pretreatment may be necessary or your warranty could be voided.</p>

- Bain Marie must be drained DAILY to a bucket or to a tundish via the drain valve

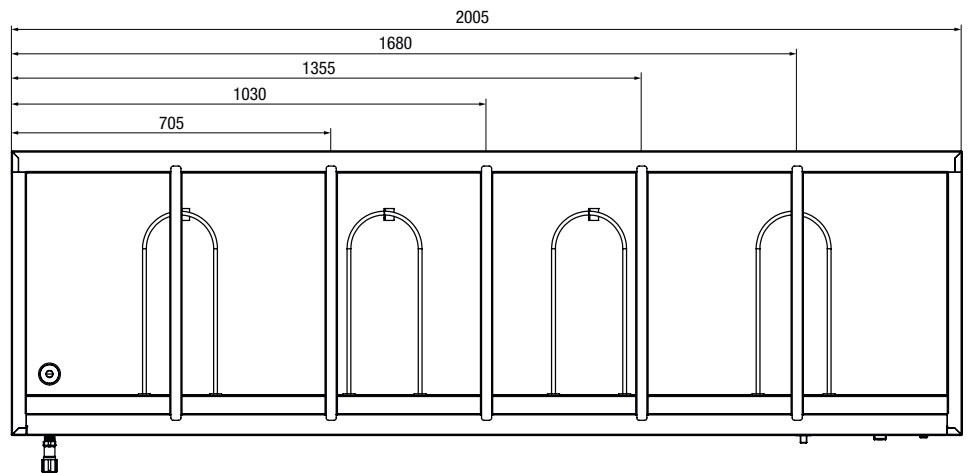
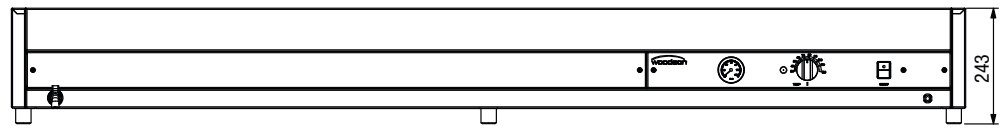
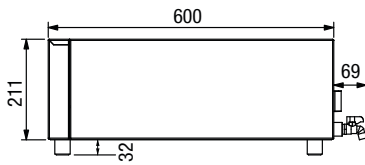
3.1 Technical Specifications

3.1.1 W.BMA2x

Specifications

Model	W.BMA22	W.BMA23	W.BMA24	W.BMA25	W.BMA26
Height	245mm	245mm	245mm	245mm	245mm
Width	705mm	1030mm	1355mm	1680mm	2005mm
Depth	600mm*	600mm*	600mm*	600mm*	600mm*
Bain Marie Capacity	4 x 1/2 GN Pans	6 x 1/2 GN Pans	8 x 1/2 GN Pans	10 x 1/2 GN Pans	12 x 1/2 GN Pans
Power	1.2kW (10A plug & lead fitted)	1.8kW (10A plug & lead fitted)	2.4kW (10A plug & lead fitted)	2.4kW (10A plug & lead fitted)	2.4kW (10A plug & lead fitted)

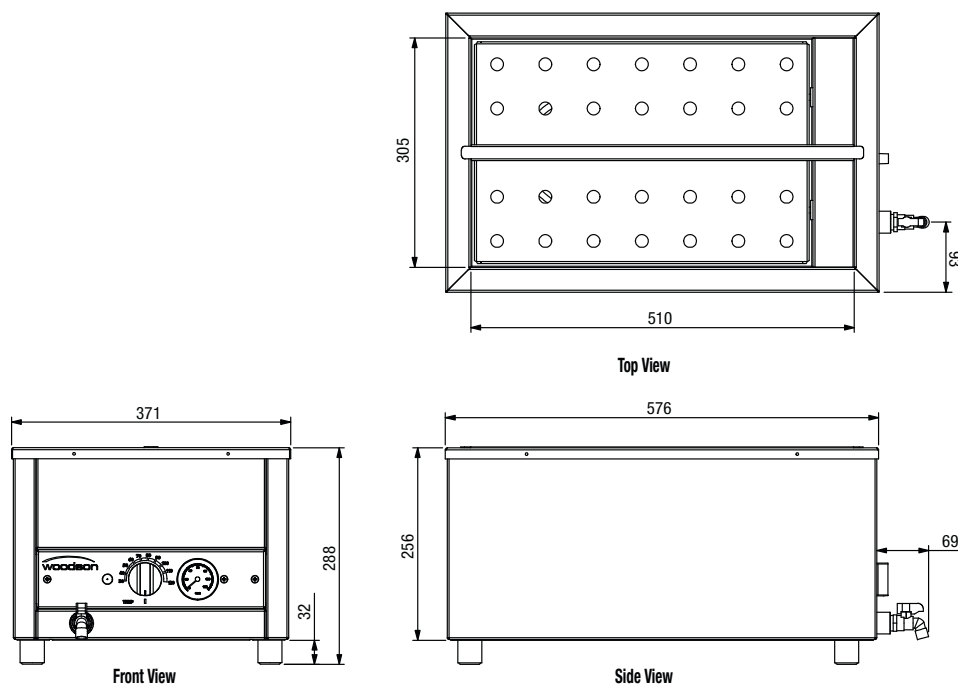
*Dimension does not include tap



3.1.2 W.BMS11

Specifications

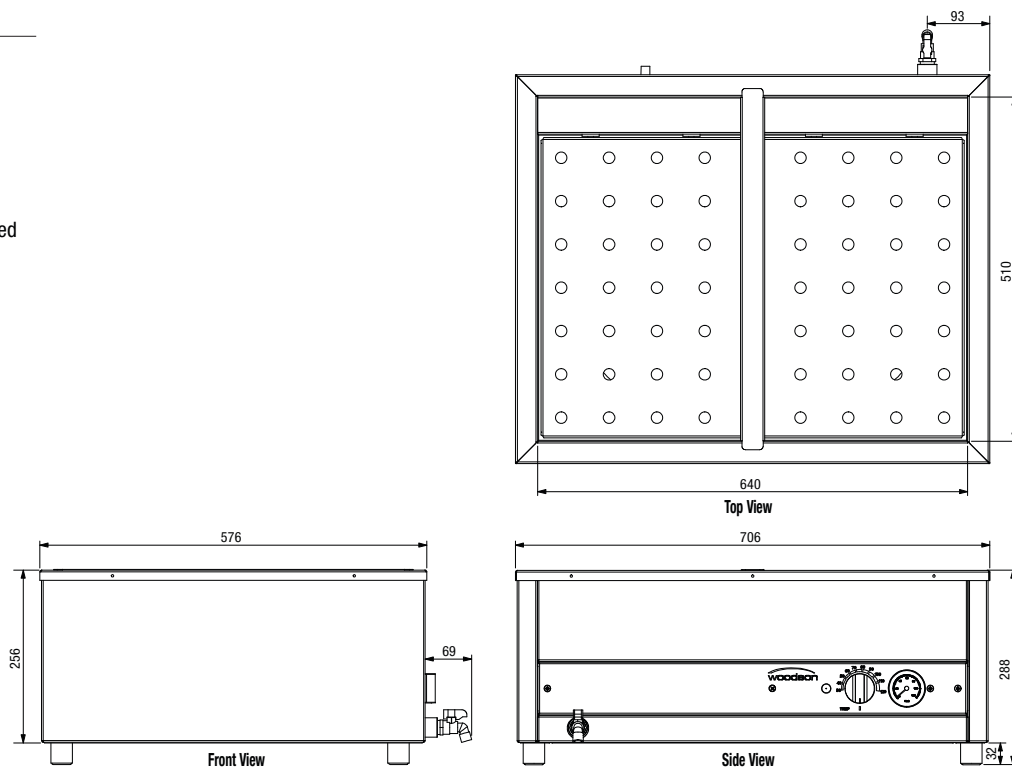
Model	W.BMS11
Height	290mm
Width	370mm
Depth	600mm*
Bain Marie Capacity	3 x 1/3 GN Pans
Power	0.75kW 10A plug & lead fitted







3.1.3 W.BML21

Specifications

Model	W.BML21
Height	290mm
Width	705mm
Depth	600mm*
Bain Marie Capacity	4 x 1/2 GN Pans
Power	1.5kW 10A plug & lead fitted



	<p>IMPORTANT</p> <p>This unit is not designed to cook products, it only maintains them above the regulated 65°C serving temperature.</p>
	<p>WARNING</p> <p>The water in the unit and the surfaces of this unit are HOT when operating. Take caution and do NOT place any part of the body in the water.</p>
	<p>IMPORTANT</p> <p>Water with a low chloride levels must be used! Water with high chloride levels will cause corrosion to the unit. For areas with a high chloride content (ie. SA, WA or country areas) demineralised water should be used in all cases.</p>
	<p>IMPORTANT</p> <p>This unit MUST be completely emptied/drained and re-filled with fresh water daily. Water MUST not be recycled. After being in the unit, all water MUST be treated as waste water. Do NOT drink and/or serve to persons</p>

4.1 Food Safety

4.1.1 Food Temperature

- All food **MUST** be pre-heated/cooked before placing in the unit. Attempting to cook food with this unit can lead to food poisoning
- Ensure the unit is maintaining the food temperature over 65°C
- The temperature reached on the temperature gauge is the water/air temperature, **NOT** the food temperature
- It is important to regularly monitor the food temperature in the Bain Marie

4.1.2 Food Storage

- All storage of food should comply with local health standards and regulations
- All pans should be cleaned and placed in night storage. No pans should be left in the unit
- This unit is **NOT** designed to store product after hours. The unit **MUST** be switched OFF
- If the unit is moved for night storage, ensure the castors are locked (mobile units only)

4.1.3 Bain Marie

- Drain the unit Daily, no water should remain in the unit
- Ensure the benches around the unit are cleaned continuously to prevent contaminants entering the pans
- When operating, the surfaces may be hot
- Signage should be displayed for personal and customers to ensure no one will burn themselves

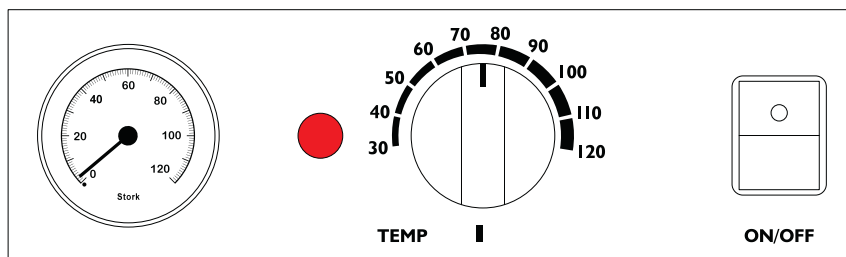
4.2 GN Pans

4.2.1 Gastronorm Pans

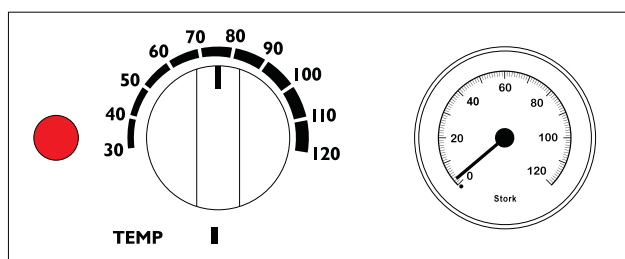
- All Gastronorm pans and extra dividers are sold separately
- Each module can hold one 1/1 pan, two 1/2 pans, three 1/3 pans, four 1/4 pans, six 1/6 pans and nine 1/9 pans. Pan depths are 25mm, 65mm, 100mm and 150mm. Contact your distributor about the best possible depth for the product you intend to display
- For 1/6 and 1/9 Gastronorm pans, extra dividers are required

4.3 Initial Start-up & Operation

4.3.1 Control Panel - W.BMA2x



4.3.2 Control Panel - W.BMS11 / W.BML22



4.3.3 Initial Start-up

- Before switching ON the unit - The element covers, dividers and shelves need to be placed in the unit
- Fill unit with water. Ensure the elements are submerged in water (minimum of 10mm)
- Turn the thermostat Dial to the required setting. Ensure the unit is heating to operating temperature
- Leave the unit to operate with water in the unit for 3 - 4 hours, checking water levels hourly
- Allow the unit to cool, drain the unit using the valve. Once this is complete, clean the whole unit, including the Gastronorm pans

4.3.4 Operation

Do not use Grids/Racks in bottom of pans as this causes a loss of heat transfer between the bottom of the pan (heat source) and the product in the pan. Poor performance will occur with the use of Grids/Racks and the manufacturer will not cover warranty costs if this is found to be the source of heating problems with the units.

- Fill unit with water. Ensure the elements are submerged in water (minimum of 10mm). Hot or cold water can be used. Hot water will save on heating time and power consumption
- A lemon slice or a few drops of lemon juice should be added to the water daily to reduce the build-up of scale in the unit
- **W.BMA2x:** Turn the unit on and turn the thermostat dial to 70°C-80°C after the indicator light turns off (approximately 15 minutes)
- **W.BMS11 / W.BML22:** Turn the unit on with thermostat dial to 70°C-80°C after the indicator light turns off (approximately 15 minutes)
- Once the unit has reached temperature place food items in the unit. All food placed in the unit **MUST** be pre-heated/cooked
- Only GN pans are to be placed in the unit. All food products must sit below top edge of the GN pan in order for the food to stay hot
- After 20 minutes check the food temperature, adjust the thermostat dial if required. Food temperature must be above 65°C
- Check water levels while the unit is in use, top up the water level as required ensuring elements remain submerged
- This unit **MUST** be completely emptied/drained and re-filled with fresh water daily
- Water **MUST** not be recycled. After being in the unit, all water **MUST** be treated as waste water. **DO NOT** drink and/or serve to persons

Note: The thermometer is meant as guide only. It indicates the temperature of the water under the food pans. It does not indicate the temperature of the food. Use a temperature probe on the food items to ensure the well is maintaining the food temperature above 65°C.

5.1 Cleaning

5.1.1 Cleaning Schedule

- Daily cleaning is required for the unit. This will help to maintain and prolong the efficiency of your oven
- The unit should be cleaned at the end of each service period

5.1.2 Materials Required

- Stainless Cleaner
- Non Abrasive Cleaning pad
- Clean Sanitised Cloth
- Paper Towel
- Container of warm water
- Nylon Brush
- Appropriate PPE (Personal Protective Equipment)

5.1.3 General Information





- Cleaning is recommended for health and safety purposes and to prolong the life of the unit
- **DO NOT** use abrasive pads or cleaners on the stainless steel or any other metal parts of the unit
- **DO NOT** use industrial chemical cleaners, flammable cleaners, caustic based cleaners or bleaches and bleaching agents, as many will damage the metals and plastics used on this unit
- **DO NOT** remove any screws and/or panels for cleaning (unless directed)
- This unit is **NOT** waterproof, **DO NOT** hose, **DO NOT** pour water directly onto the unit, **DO NOT** immerse in water


5.1.4 Corrosion Protection

- Stainless steel exhibits good resistance to corrosion however, if not properly maintained stainless steel can rust and/or corrode
- Any sign of mild rust and/or corrosion should be thoroughly cleaned with warm soapy water and dried as soon as possible
- NEVER use abrasive pads or cleaners for cleaning
- All metal surfaces should be checked while cleaning for damage, scuffs or scrapes as these can lead to rust and further damage to the product
- Mild rust and/or corrosion can be treated with a commercial cleaning agent that contains citric/oxalic/nitric/phosphoric acid. **DO NOT** use cleaning agents with chlorides or other harsh chemicals as this can cause corrosion. After treatment, wash with warm (not hot) soapy water and dry thoroughly
- Thoroughly wipe the surfaces dry after cleaning. **DO NOT** let water pool on the unit. Check crevices and folds for pooling and dry thoroughly
- When using, ensure all liquids and moisture is cleaned up straight away. Food liquids such as juices from vegetables and fruits should not be left on preparation surfaces
- **DO NOT** leave items on the stainless steel such as cutting boards, rubber mats and bottles

5.1.5 Surface Finish

- To protect the polished surface of the stainless steel, it should be dried using a clean dry soft cloth. A light oil can be applied to enhance the stainless steel surface, using a clean cloth apply the oil in the same direction as grained polished finish
- Some commercial stainless steel cleaners can leave residue or film on the metal; this may trap fine particles of food on the surface, thus deeming the surfaces not food safe

	<p>IMPORTANT</p> <p>Threaded fasteners can loosen in service. Regular inspection and adjustment should be carried out as required</p>		<p>WARNING</p> <p>This unit is NOT waterproof, do NOT hose. DO NOT pour water directly onto the unit. DO NOT immerse in water</p>
	<p>IMPORTANT</p> <p>Some commercial stainless steel cleaners leave residue or film on the metal that may entrap fine particles of food, deeming the surface not FOOD SAFE</p>		<p>WARNING</p> <p>Wait until the unit has cooled to a safe temperature before undertaking any cleaning or maintenance. Contact with hot surfaces can cause burns and serious injury</p>

	IMPORTANT
	<p style="text-align: center;">Corrosion Prevention:</p> <p style="text-align: center;">This unit MUST be completely drained, cleaned and emptied DAILY. Leaving water in the unit for an extended period while continually topping up with water, will cause the chloride levels to increase. As the water evaporates the chlorides and other impurities are left behind becoming concentrated.</p> <p style="text-align: center;">Without daily cleaning the concentrated build up of chlorides and impurities in the water will corrode the stainless steel of the unit.</p> <p style="text-align: center;">Failure to completely drain, clean and empty the unit daily will void the warranty!</p>

5.1.6 Bain Marie (Daily)

1. Isolate from the power supply
2. The unit **MUST** be drained before cleaning. Ensure the waste connection is left OPENED to allow sufficient drainage while cleaning
3. Remove all Dividers, Element Covers & Gastronorm Pans
4. Dividers, Element Covers & Gastronorm Pans can be cleaned in a kitchen sink with warm soapy water. Thoroughly wipe dry with a soft cloth after cleaning, do NOT allow to air dry
5. Clean the unit and elements with warm (not hot) soapy water and a sponge. After cleaning, flush the unit with water
6. Ensure all due care is taken when cleaning the elements, as they can become damaged
7. Thoroughly wipe the unit and elements dry with a soft cloth. Do NOT let water pool in the unit, check crevices and folds

5.1.7 Descaling the Unit (Monthly)

1. Descaling is recommended for health and safety purposes and to prolong the life of the unit
2. The unit **MUST** be descaled monthly to remove any scaling and build-up in the unit and on the elements. Element covers should be descaled at the same time as the unit
3. To descale, a descaling solution needs to be purchased. The descaling solution should be used as per directions on the packaging
4. Remove all food and pans from the unit before descaling
5. Ensure the unit is rinsed and thoroughly cleaned after descaling

5.1.8 Element Protection (Daily)

1. Every day, the empty unit should be filled with clean water. A lemon slice or a few drops of lemon juice should be added daily to the water
2. As required, adding a commercial cleaning agent that contains citric/oxalic/nitric/phosphoric and boiling for 45 minutes will help to prolong the life of the Bain Marie. Do NOT use cleaning agents with chlorides or other harsh chemicals as this can cause corrosion
3. Do NOT fill the unit with cold water if the elements are hot
4. Water with high mineral content needs be filtered
5. When cleaning, clean the elements properly and allow to dry before switching the unit back ON

5.2 Troubleshooting

- If any faults/issues occur with the unit, follow the below troubleshooting procedures
- If the troubleshooting procedures do not correct the problem, contact the Stoddart Service Department

	WARNING
	<p>Technician tasks are only to be completed by qualified service people. Check faults before calling service technician.</p>

Problem	Possible Causes	Solution
Unit does not operate / start	The mains isolating switch on the wall, circuit breaker or fuses are OFF at the power board	Turn isolating switch, circuit breaker or fuses ON
	The power switch of the unit is OFF	Turn the power switch ON
	Electrical wiring damaged	Contact Stoddart service department
Unit does not reach temperature	Temperature not set to the right setting	Check setting and adjust the temperature
	Exhaust fan above the unit	Move unit / exhaust fan
	Cold items in units	Remove items and heat properly
	Cold water in the unit	Close the water valve / Wait 30 minutes
	Temperature gauge broken	Contact Stoddart service department
	Thermostat or Temperature probe broken	Contact Stoddart service department
	Mineral deposits on element	Contact Stoddart service department
Food not at desired temperature	Element blown	Contact Stoddart service department
	Thermostat set incorrectly	Adjust thermostat
Water pooling around the unit	Unit is not reaching required temperature	Contact Stoddart service department
	Drain not in the tundish / Bucket overflowing	Place drain in the tundish / Clear and replace bucket
	Unit not level	Place unit on a level surface
Corrosion	Connection seals / drain valve broken	Contact Stoddart service department
	Poor water quality	Contact Stoddart service department
Scale build up	Not being drained, cleaned and emptied daily	Follow cleaning schedule of user manual
	Scale build up on elements and unit	Descale unit

Australia

Service / Spare Parts

Tel: 1300 307 289

Email: service@stoddart.com.au

Email: spares@stoddart.com.au



Service Request

www.stoddart.com.au

Australian Business Number: 16009690251

Sales

Tel: 1300 79 1954

Email: sales@stoddart.com.au

New Zealand

Service / Spare Parts

Tel: 0800 935 714

Email: service@stoddart.co.nz

Email: spares@stoddart.co.nz



Service Request

www.stoddart.co.nz

New Zealand Business Number: 6837694

Sales

Tel: 0800 79 1954

Email: sales@stoddart.co.nz

International

Service / Spare Parts

Tel: +617 3440 7600

Email: service@stoddart.com.au

Email: spares@stoddart.com.au



Service Request

www.stoddart.com.au

Sales

Tel: +617 3440 7600

Email: sales@stoddart.com.au