



# Barista Pro Range

MODELS: WB-2 & WB-2/6KW

Auto-Fill Catering Steam & Water Boiler

## INSTALLATION AND USER INSTRUCTIONS

INSTANTA LIMITED

Canning Road - Southport – Merseyside - PR9 7SN

Tel: (01704) 501114 - Fax: (01704) 501115

## CONTENTS

CONTENTS & INTRODUCTION .....	1
SAFETY & ENVIRONMENTAL INFORMATION & DELIVERY CHECK-LIST .....	2
TECHNICAL SPECIFICATION .....	3
INSTALLATION .....	3
OPERATION .....	4
DAILY USE .....	4
FILTER & FILTER REPLACEMENT .....	4
ADJUSTING FILTER-MONITOR (optional) .....	6
CLEANING .....	6
MAINTENANCE, SPARES & SERVICE INFORMATION.....	7
SERVICE WARNINGS & FAULT DIAGNOSTICS .....	8
GUARANTEE .....	9

## INTRODUCTION

Dear Customer,

Thank you for purchasing this Instanta product.

Your new water boiler is designed to give you years of trouble-free service provided that the instructions contained in this manual are followed.

All new series Instanta products are energy efficient, simple to operate and easy to service. Find out more about Instanta products at [www.instanta.com](http://www.instanta.com)

## SAFETY INFORMATION

Please read the following carefully before starting work on this equipment.

A competent person should install this appliance in accordance with the installation instructions for this appliance and all relevant local and national standards including the following:

- Health & Safety at Work Act
- IEE Regulations
- Local & national Building Regulations
- BS Codes of practice
- Water Supply Regulations
- Pressure Equipment Directive

All personnel should be provided with sufficient training in the safe use of this appliance. A warning notice displayed next to the machine is often helpful in notifying users that the appliance contains and dispenses near boiling water.

- Inform users that certain surfaces will become hot (especially the draw-off tap). Care should be taken to avoid potential injury from burns and scalding whilst operating this appliance.
- In line with Health and Safety requirements we recommend a risk assessment be carried out after the boiler has been installed.
- This appliance 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 use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance
- Always disconnect the unit from the power supply before servicing.
- The unit must be earthed.
- Keep these instructions in a safe place near the unit for future reference
- **PLEASE NOTE:** These units should be insured and inspected annually by a 'competent person', in-line with the Pressure Equipment Directive. *For further information, please contact Instanta Technical Dept.*

## ENVIRONMENTAL (Information on Disposal for Users of Waste Electrical & Electronic Equipment)

The "crossed out wheelee bin" symbol on this product means that discarded electrical and electronic products should not be mixed with general waste. Disposing of the product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For proper treatment, recovery and recycling of end-of-life products, please contact your dealer or supplier for further information, or local authority for details of your nearest designated collection point.

## DELIVERY CHECKLIST

Before starting installation, check that you have the following parts;

1. Catering Water Boiler
2. Drip-tray
3. White water inlet hose (3/4" BSP connection)
4. User instructions

## TECHNICAL SPECIFICATION

Model		WB-2	WB-2/6KW
Width	mm	345	345
Depth	mm	600	600
Height	mm	585	585
Power Rating	KW	3.0	6.0
Weight (Empty)	KG	23	23.8
Weight (Full)	KG	28.3	29.2
Water Inlet Pressure:	Bar	2 to 7	2 to 7

## INSTALLATION

### IMPORTANT

To ensure that the unit works to its full potential, you will require water pressure of at least 30psi (2 Bar). If this is not possible, a pump should be fitted.

Having ensured that the incoming water pressure is adequate, follow these simple instructions:

1. Provide a suitable stop-cock to isolate the machine for maintenance when needed
2. Connect the water between the stop-cock and the boiler using the food quality hose provided. (do not use red or blue washing machine hoses as these will contaminate the water)

### ELECTRICAL SUPPLY

3. The 3kW model is fitted with a 13amp plug and should be plugged into a suitable socket. The 6kW model should be wired into a 30amp switched supply with an ELCB. (Only a suitable electrician should undertake this work)

### COMMISSIONING

4. Open the steam tap on the left hand side of the unit
5. Switch on using the switch on the front panel. The power light will illuminate and water will start to enter the boiler. Once the bottom level sensor is reached. the unit will then start to heat. When the water boils, steam will start to come from the steam nozzle. The steam tap can then be closed.
6. The pressure in the boiler will start to rise and the needle in the gauge will respond. When the needle reaches the pre-set pressure, the ready light will illuminate and the boiler will start to fill and heat until it reached the high level sensor. The boiler is then ready to use.

7. If the red service light flashes four times, then pauses and repeats, the incoming water pressure to the unit is too high. This can be adjusted using the internal pressure reduction valve. Ring Instanta's technical help line for advice – 01704 502911
8. If the red service light flashes five times, pauses and repeats, the incoming water pressure is too low. This can be adjusted using the internal pressure reduction valve or an external pump may have to be fitted. Ring Instanta's technical help line for advice – 01704 502911

## DAILY USE

Follow instruction 4 to 6 above. Venting the boiler using the steam tap should be done every time the unit is switched on from cold.

## CLEANING

Clean the external surfaces of the boiler regularly to maintain good hygiene

Empty the front drip-tray regularly

Wipe external surfaces of the boiler with a damp cloth. Do not use abrasive materials on the outer surfaces.

Wipe the draw-off tap each day to keep clean and also prevent lime-scale deposits from building up around the tap-outlet.

## SERVICE WARNINGS AND FAULT DIAGNOSIS

Your boiler is fitted with an intelligent fault diagnosing system and is able to detect various fault conditions. Some of these are less serious and the machine will continue to operate as normal, while others are more serious and will disable the unit.

Before calling for service, switch the machine off at the mains supply. Open the steam tap to let the pressure out of the boiler and switch back on after 10 minutes. If the fault does not clear, call technical support for advice.

NUMBER OF FLASHES BETWEEN PAUSES	MEANING
1	Water level sensor has scaled up at normal level and machine has filled to higher level
2	Operating level sensor has been detected but other sensor has not
3	Overfill level sensor has been detected but other sensor has not

4	The incoming water pressure is too high for the machine to operate
5	The incoming water pressure is too low for the machine to operate. The water supply is turned off.
6	The boiler has failed to fill in the allotted time. Possible causes:- 1. The water supply is turned off 2. The inlet valve has failed 3. the water inlet hose is kinked, blocked or detached
7	The element(s) have been on for too long with lower sensor exposed. Possible leak, lime scale or broken probe wire
8	Pressure switch wire has shorted (wire A)
9	Pressure switch wire has shorted (wire B)
10	The element(s) have been trying to heat the water but have failed to do so. The element(s) or control system have failed
11	Water supply is turned off and the low probe has become exposed. Probable lime-scale build up or water supply problem

## **SERVICE/TECHNICAL SUPPORT:**

Tel: 01704 502911

To ensure your service enquiry is handled as efficiently as possible, please have the following information available;

- Brief description of problem
- Product Type (model)
- Serial Number (label on right-hand side of machine). This is essential

## **GUARANTEE**

Your boiler is guaranteed for two years from date of installation.

Our guarantee includes on site labour and parts for problems caused by fault of manufacture and component failure **with the following exclusions:**

- 1 Problems caused by hard water and lime scale. We regret that we cannot be held responsible for problems caused by hard water
- 2 Dripping Taps. These components are subject to wear and tear but in the event of a tap failing within twelve months of installation, we will be pleased to replace the tap assembly by post. Fitting is very simple and requires no tools. An engineer call-out is not necessary.
- 3 Accidental damage, misuse or use not in accordance with these instructions and damage caused by incorrect installation.

The manufacturer disclaims any liability for incidental, or consequential damages.