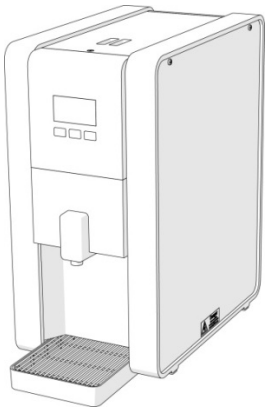
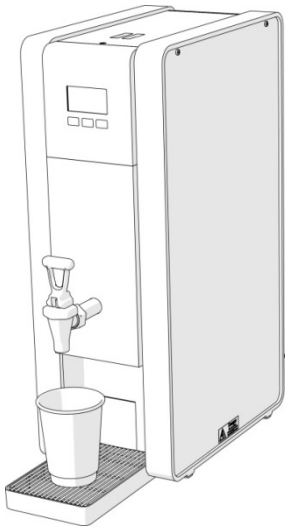
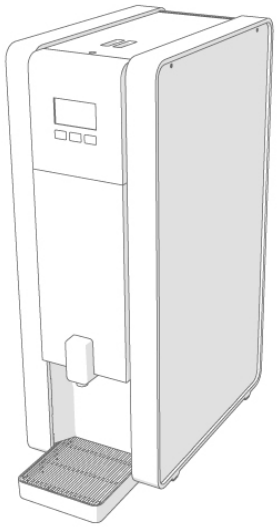
# MIX Boiler & Font Range – Service Manual



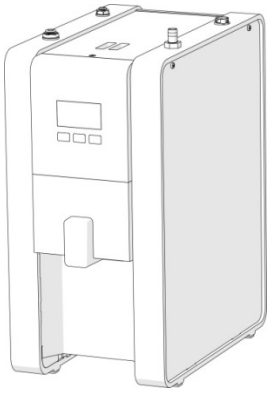
**1000870#**



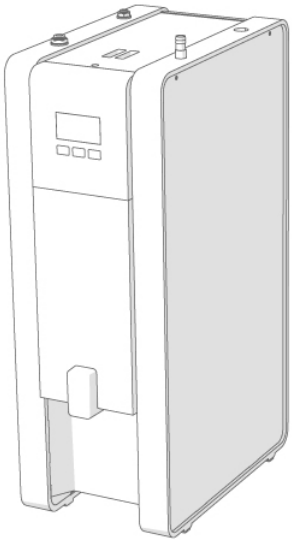
**1000871#**



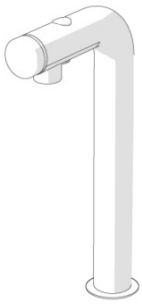
**1000875#**



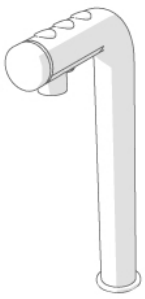
**1000880#**



**1000887#**



**1000878**



**1000879**

**2300268**

## CONTENTS:

## 1. INTRODUCTION

The information provided in this manual is intended to assist in the installation and maintenance of the Marco Mix Boiler range. Please read the instructions carefully to prevent accidents and ensure an efficient installation.

This manual is not a substitute for any safety instructions or technical data affixed to the machine or its packaging. All information in this manual is current at the time of publication and is subject to change without notice.

Only technicians or service providers authorised by Marco should carry out installation and maintenance of these machines.

Marco accepts no responsibility for any damage or injury caused by incorrect or unreasonable installation and operation.

## 2. SAFETY INSTRUCTIONS

**When using electrical appliances, basic safety precautions should always be followed to prevent the risk of fire, electric shock, burns, or other injuries or damages.**

- **Read all operating and safety instructions carefully.**
- **This appliance must be placed/installed on a horizontal flat stable surface.**
- **The ambient temperatures this appliance should operate within are 5 °C - 35 °C.**
- **This appliance may be placed in self-service areas if attended to by trained personnel.**
- **Risk of flooding, the hose supplied with the boiler is non-toxic food quality tested to 190psi. However, a hose is not a permanent connection. It is, therefore, advisable to switch off boiler and close the stopcock valve when boiler is not in use, e.g. overnight etc.**
- **The utmost care has been taken in the manufacture and testing of this machine. Failure to install, maintain and / or operate this machine according to the manufacturer's instructions may result in conditions that can cause injury or damage to property. If in any doubt about the serviceability of the machine always contact the manufacturer or your own supplier for advice.**
- **This machine 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 machine by a person responsible for their safety.**
- **Children should be supervised to ensure that they do not play with the machine.**
- **In the event any wires are damaged, such wires can only be replaced by experts or professional after service staff from the manufacturer after service department or similar function departments.**
- **CAUTION - Risk of fire and electric shock. Only to be used with manufacturer's specified power cord set. Marco p/n 1501487 (USA), 1501488 (EU), 1501489 (UK/Ire).**
- **This appliance should not be installed in an area where a water jet could be used to clean it.**
- **Access to the service area of the appliance is restricted to persons having knowledge and practical experience of the appliance and the relevant safety and hygiene requirements.**

## 3. SPECIFICATIONS

***BOILERS:***

| | | MIX PB3 - 1000870 | MIX T8 – 1000871 | MIX PB8 – 1000875 | MIX UC3 - 1000880 | MIX UC8 – 1000887 |
|---|---|---|---|---|---|---|
| **Performance** | **Immediate Draw Off (L)** | 3L | 8L | 8L | 3L | 8L |
| | **Total Hourly output (L/hr)** | 28 | 28 | 28 | 28 | 28 |
| **Electrical** | **Mains Connection** | Earthed Mains Plug to IEC 230vac<br>(UK – 3-Pin Plug, BS1363)<br>(EU – CEE7 Schuko)<br>(US/Canada - NEMA L6-20P) | | | | |
| | **Rating** | @230V<br>2.8kW<br>12.15A | | | | |
| **Plumbing** | **Fittings** | 0.75” BSP (or 3/8” NPT for US versions) food grade inlet hose supplied. | | | | |
| | **Required Pressure** | 5-50 psi (35-345 kPa) | | | | |
| **Dimensions** | **Height (mm)**<br>**Width (mm)**<br>**Depth (mm)** | 420<br>210<br>440 | 590<br>210<br>505 | 590<br>210<br>440 | 440<br>210<br>385 | 610<br>210<br>385 |

***FONTS:***

| | | MIX Single Button Font - 1000870 | MIX Three Button Font - 1000870 | Drip Tray |
|---|---|---|---|---|
| **Dimensions** | **Height (mm)**<br>**Width (mm)**<br>**Depth (mm)** | 242<br>38<br>132 | 242<br>38<br>132 | 35<br>125<br>170 |

# 4. INSTALLATION

## 4.1 Mix Boiler Installation

### Electrical Installation:

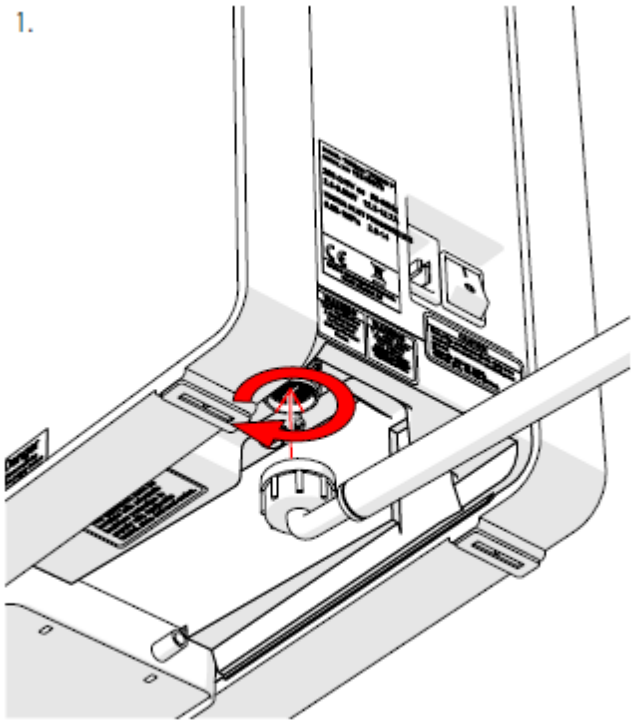
- Electrical specification: 2.8kW-230VAC-50/60Hz
- A moulded 13A IEC power cord is provided. This should be plugged into the IEC connection on the rear of the boiler and plugged into a suitable 13A power outlet.
- When installing the machine, always observe the local regulations and standards.

### Plumbing Installation:

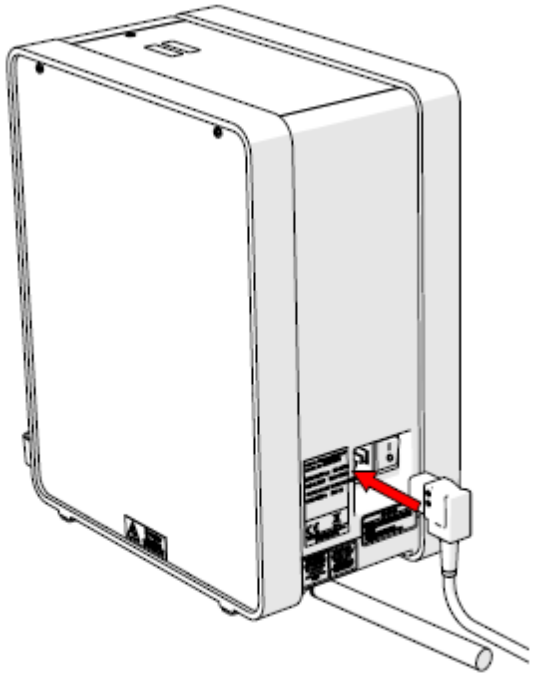
- Mains water pressure required (limits): 5-50psi (35-345kPa) 0.5 – 5.0 bar
- Fit a stop Valve on a cold water line and attach a 3/4" BSP male fitting, (e.g. 3/4" x 1/2" 311 or washing machine type stop valve).
- For US versions use 3/8” NPT male fitting.
- Connect straight tailpiece of the hose to the stop valve fitting. Make sure that the pre-attached sealing washer is fitted.
- Turn on the water to flush any impurities, dust etc. from the inlet hose and water pipe. Allow several litres through.
- Connect right-angled tailpiece of the hose to the inlet valve of the boiler (3/4" BSP). Make sure the sealing washer is fitted here also.
- Turn on water and check for leaks.

## 4.1 Mix Boiler Installation (cont.)

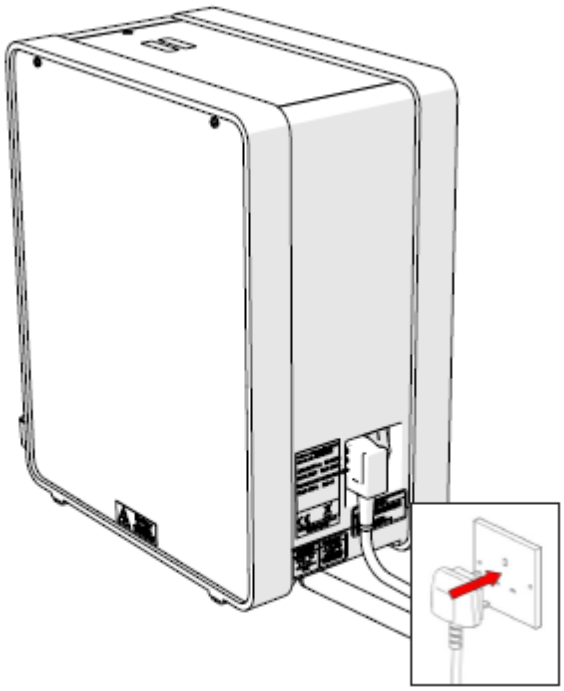
1.



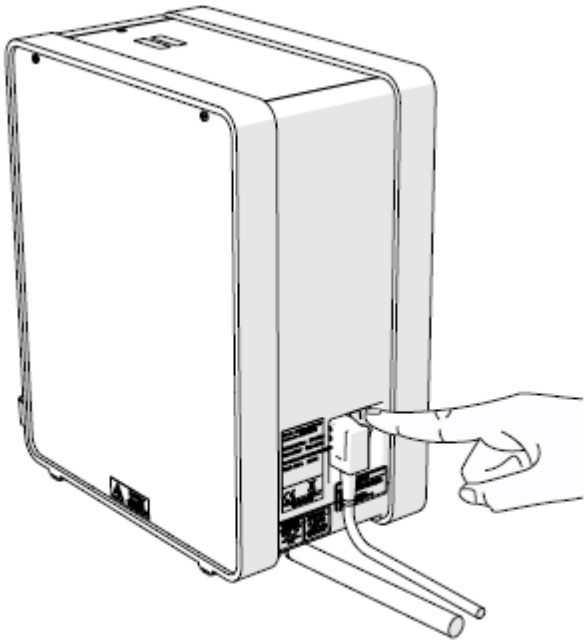
2.



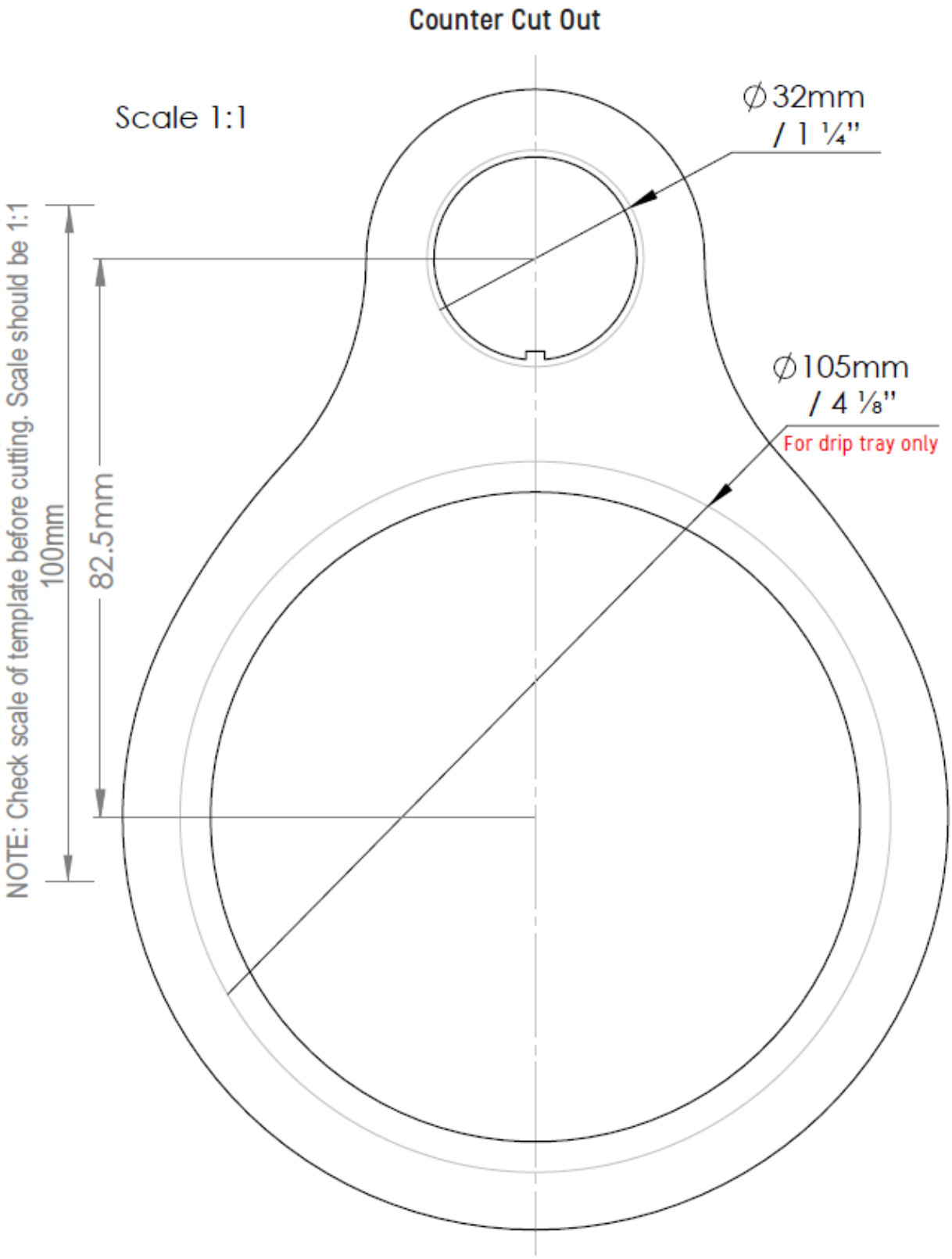
3.



4.

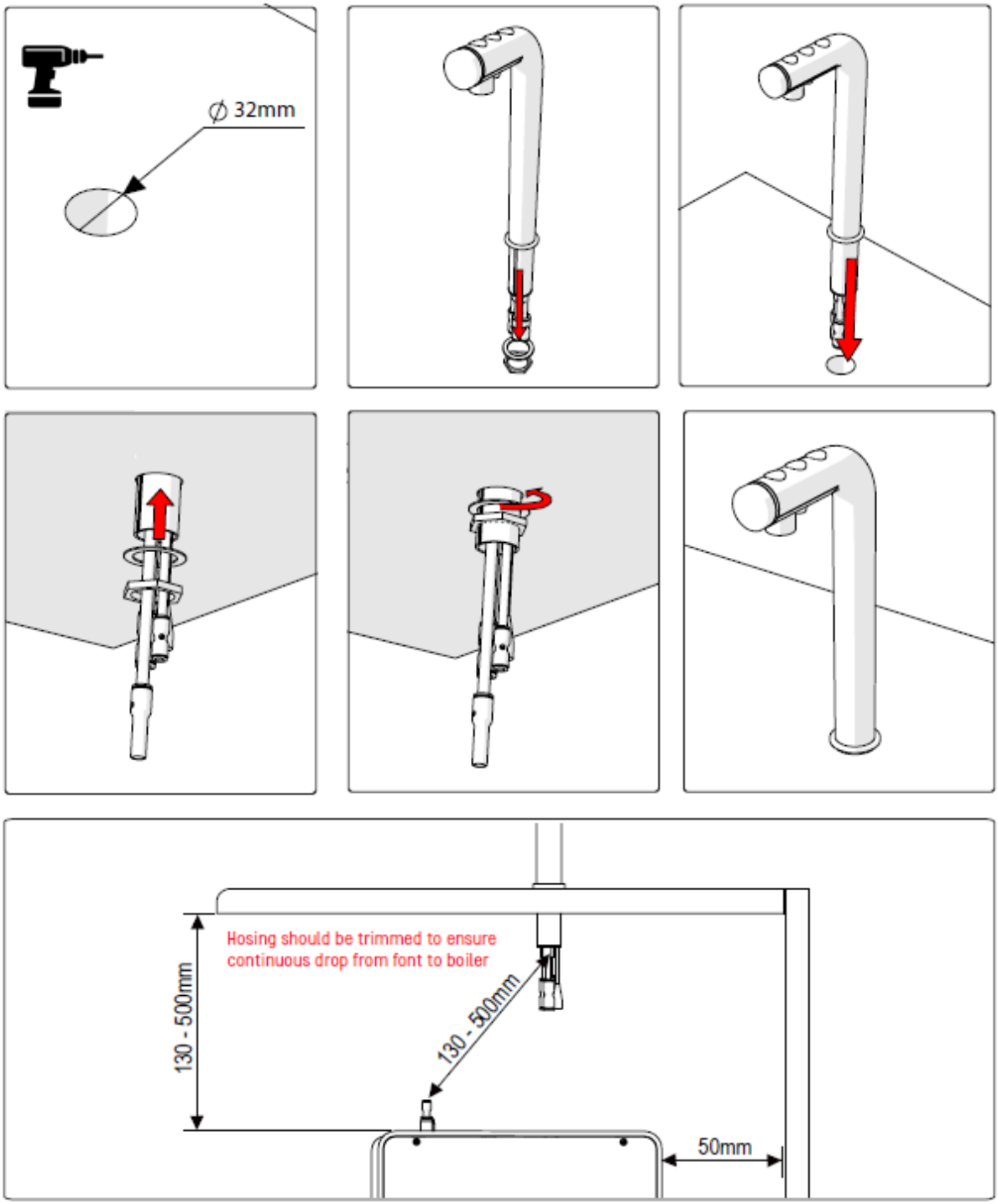


## 4.2 Mix Font Installation



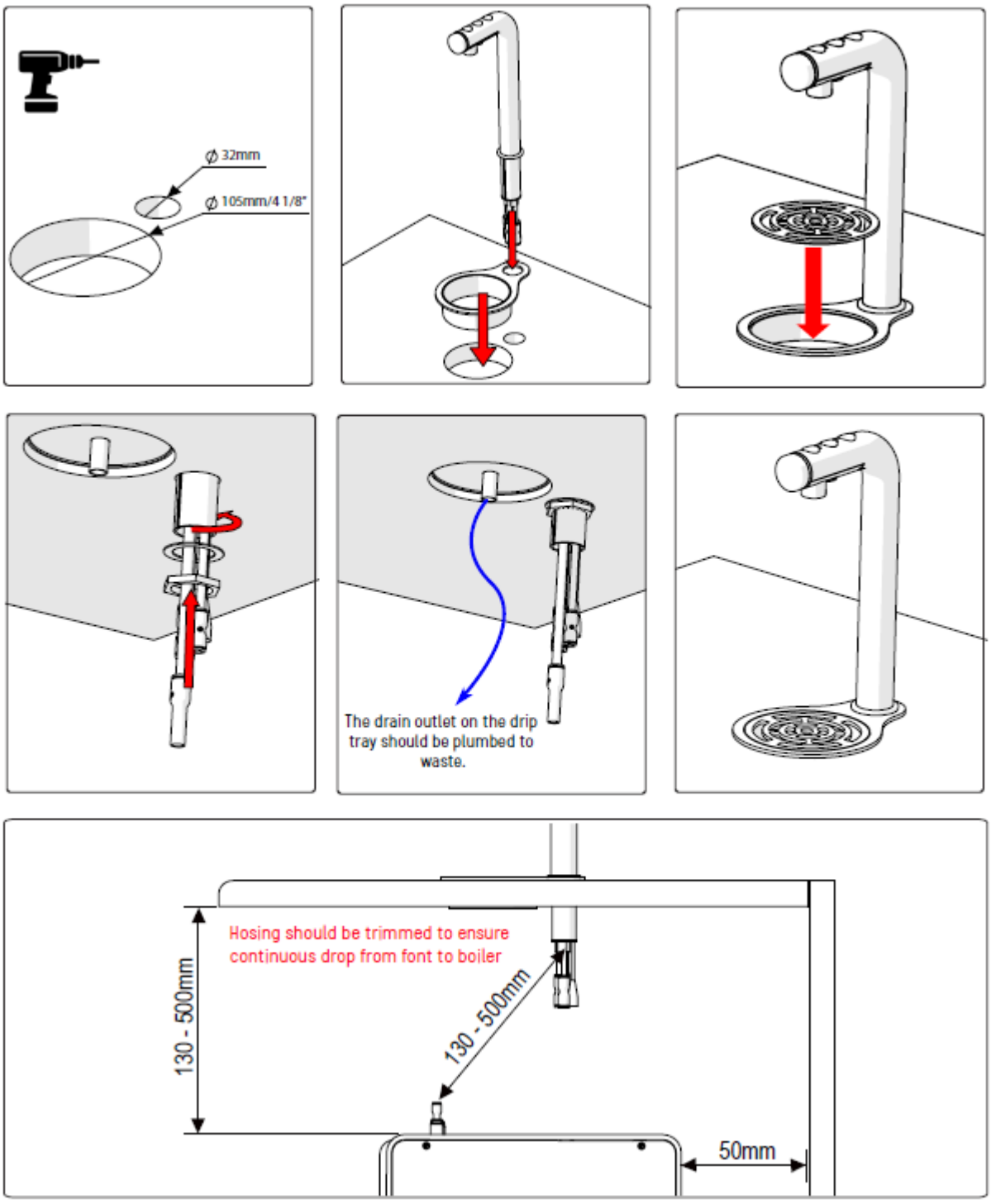
## 4.2 Mix Font Installation (cont.)

1. No Drip Tray

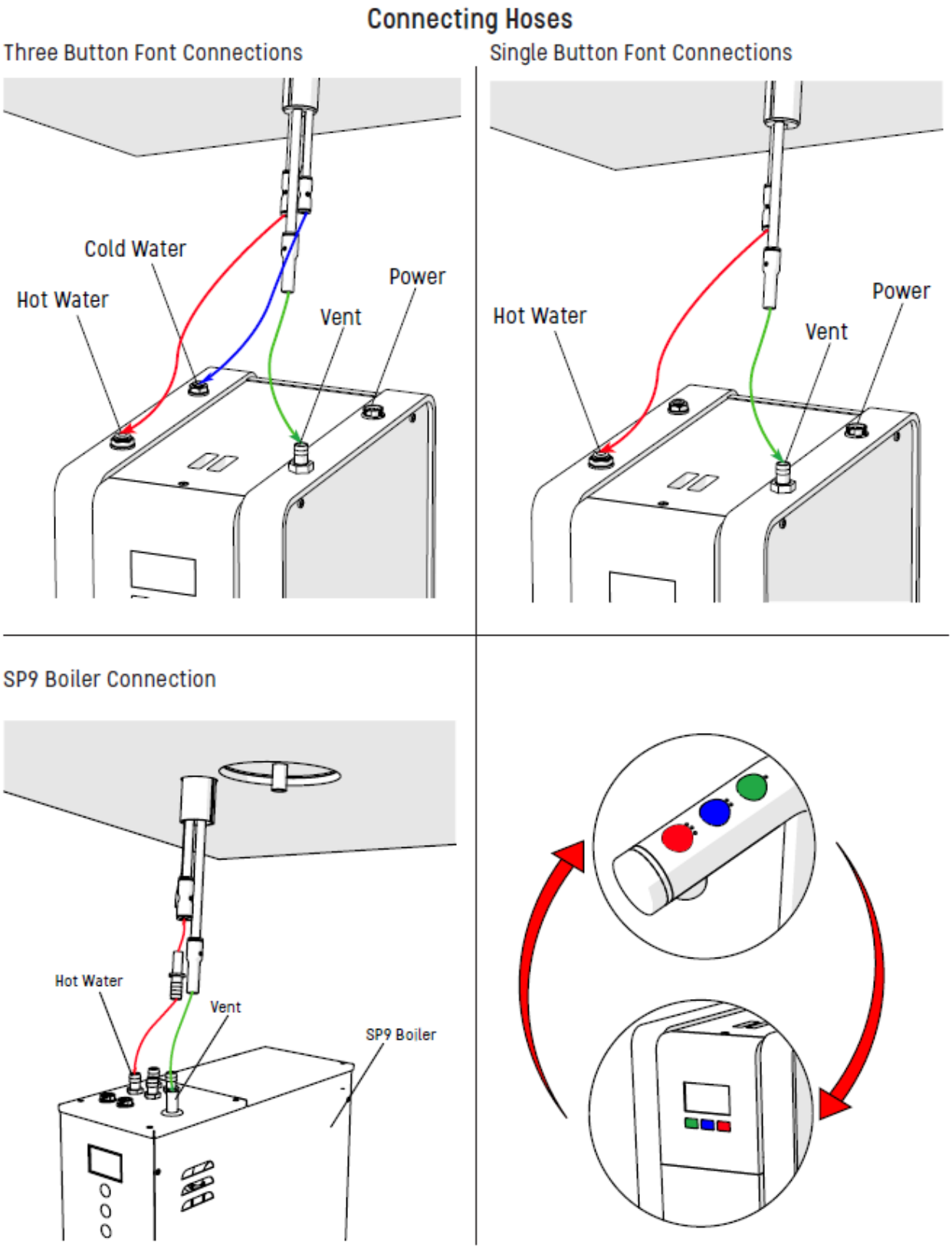


## 4.2 Mix Font Installation (cont.)

2. Drip Tray (sold seperately p/n. 2300268)



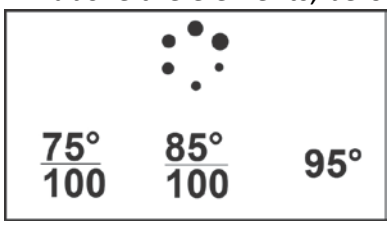
## 4.2 Mix Font Installation (cont.)



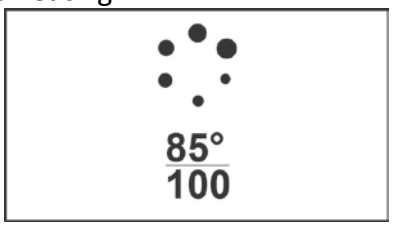
## 5. BOILER SETUP

### 5.1 Operating Boiler for the First Time

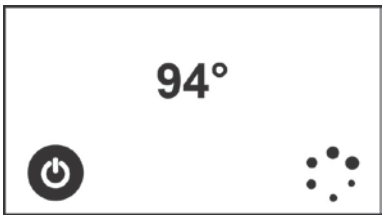
- Check that all installation procedures have been carried out.
- Ensure water valve is on.
- Plug boiler into suitable socket.
- Turn on the power switch.
- The “wait” progress circle will be visible on the screen and the machine will fill to a safe level, above the elements, before heating.



Multi Temp versions

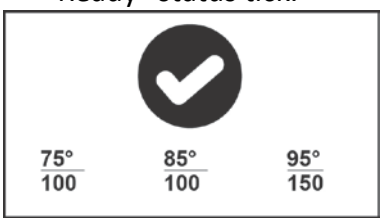


Single Temp versions

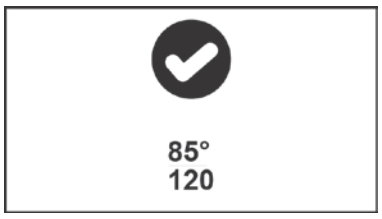


Tap Versions

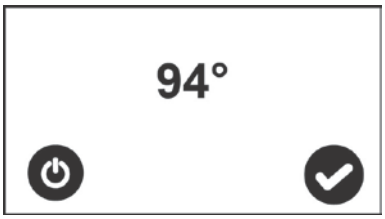
- The “Ready” tick with come up on screen when the machine is full and up to normal operating temperature – typically 6 mins for 3L and 16 mins for 8L versions respectively.
- The boiler is now ready for use – the display will show the Water Temperature and the “Ready” status tick.



Multi Temp versions



Single Temp versions



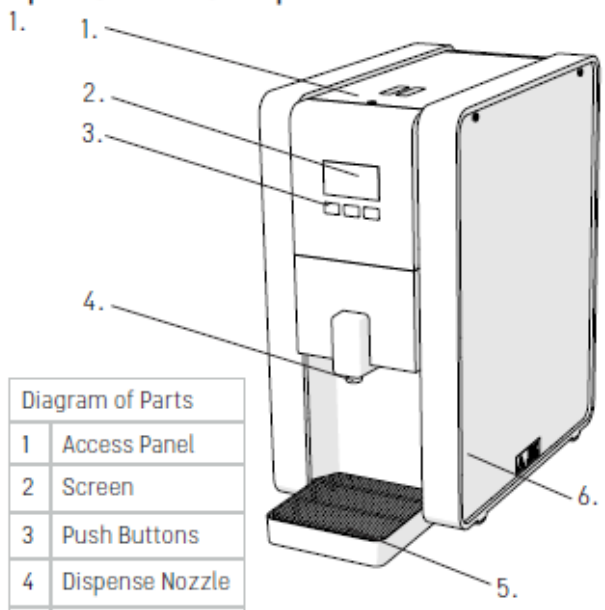
Tap Versions

- The Boiler may now be used to dispense hot water to the pre-set factory settings.
- NOTE: Because the boiler is electronically controlled no priming is necessary.
- The element cannot switch on until a safe level of water is reached.

## 6.1 PB Boiler – Multi-temp Operation

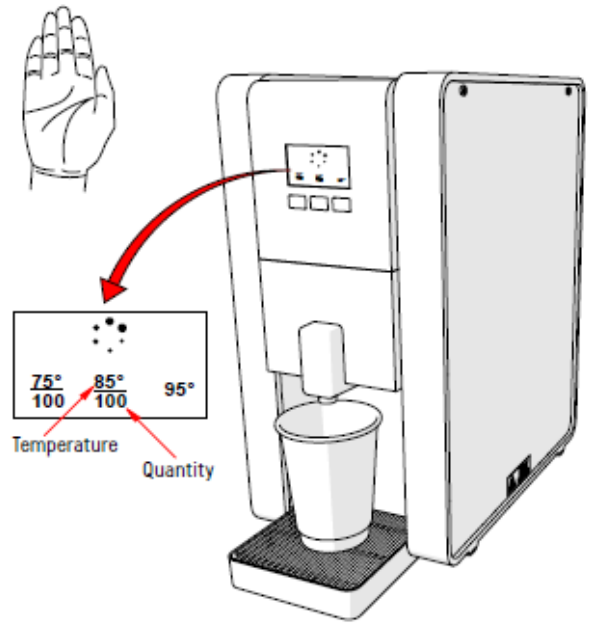
### Operation: Multi Temp

1.

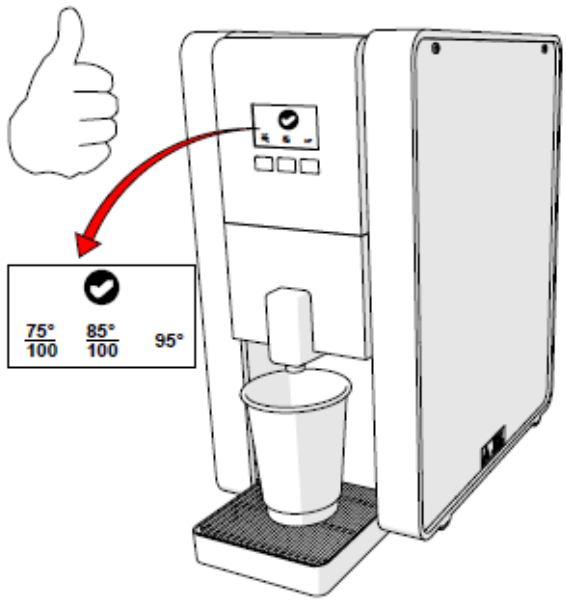



| Diagram of Parts | |
|---|---|
| 1 | Access Panel |
| 2 | Screen |
| 3 | Push Buttons |
| 4 | Dispense Nozzle |
| 5 | Drip Tray |
| 6 | Service Panel |

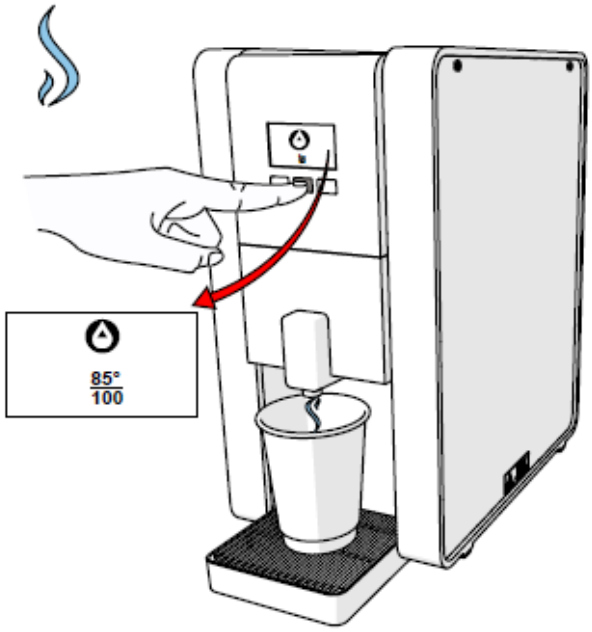
2.




3.

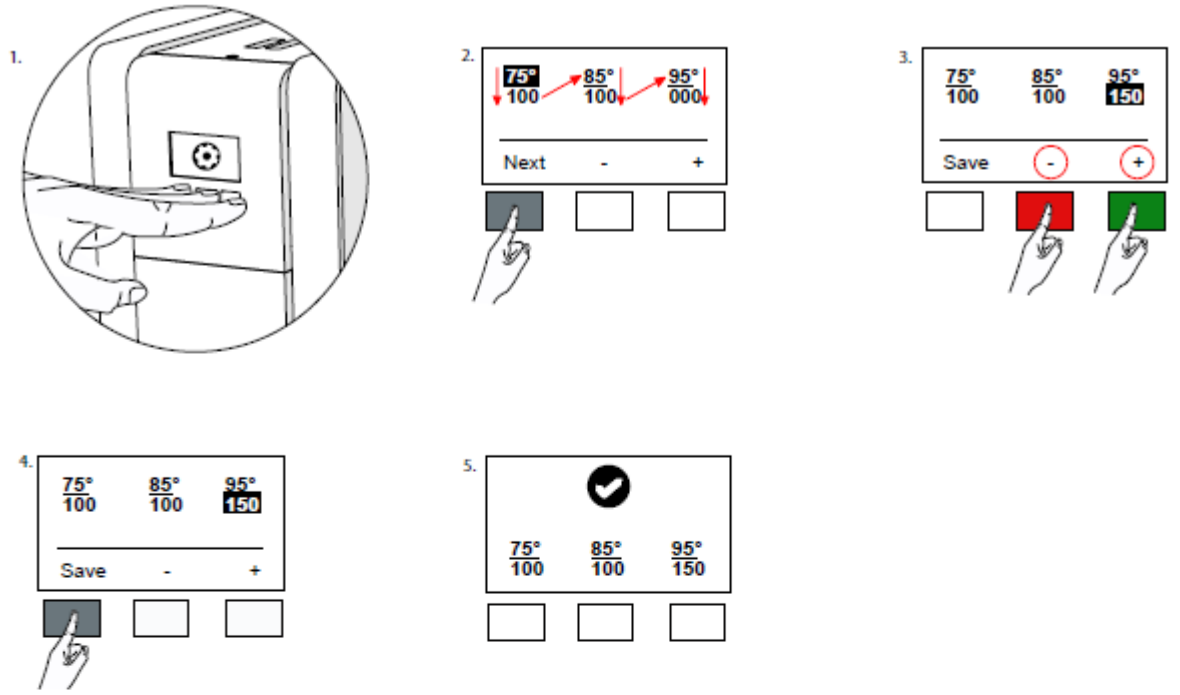



4.

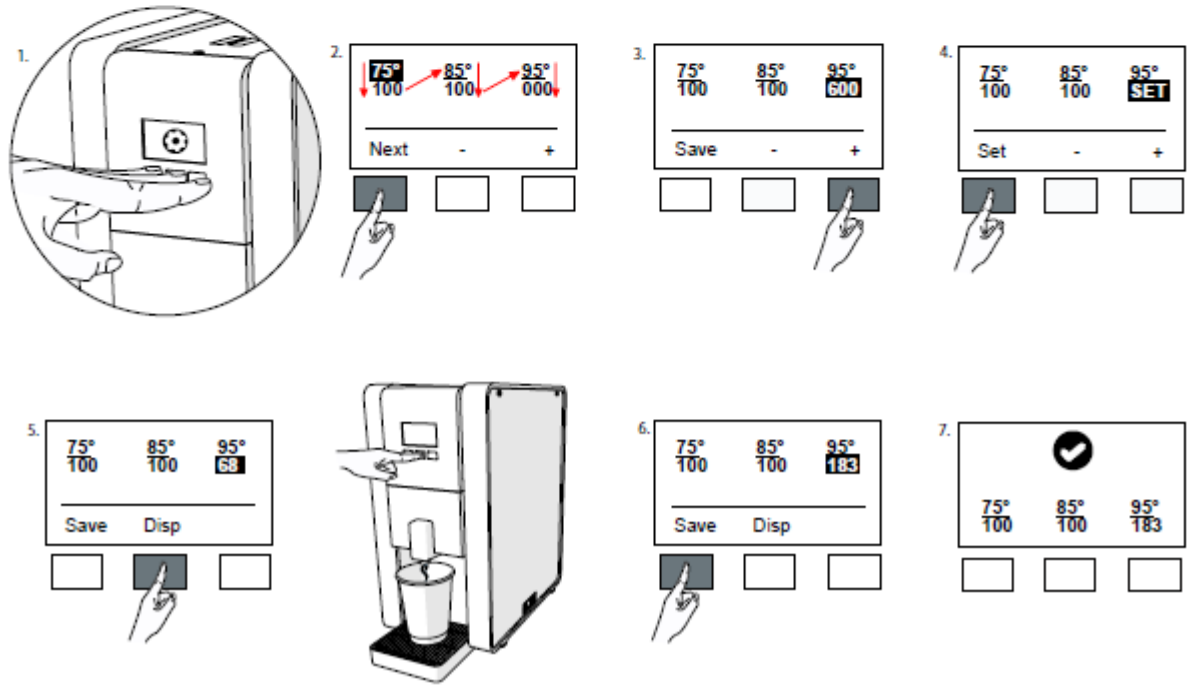


## 6.1 PB Boiler – Multi-temp Operation (cont.)

Programming: Multi Temp – Method 1



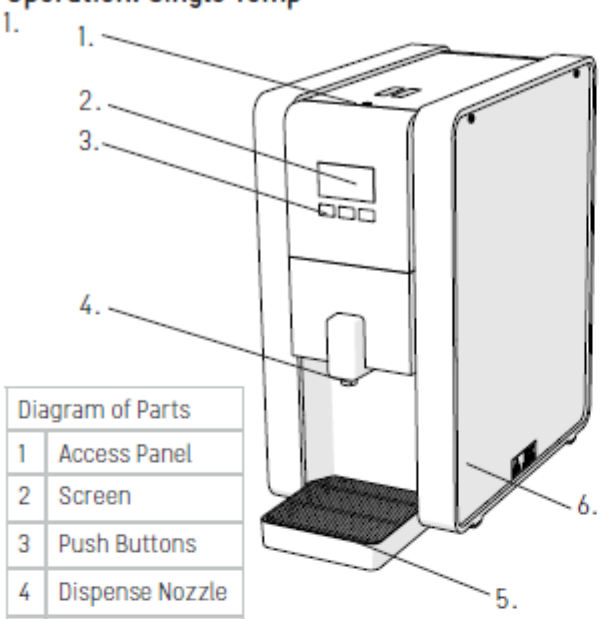

Programming: Multi Temp – Method 2



## 6.2 PB Boiler – Single Temp Operation

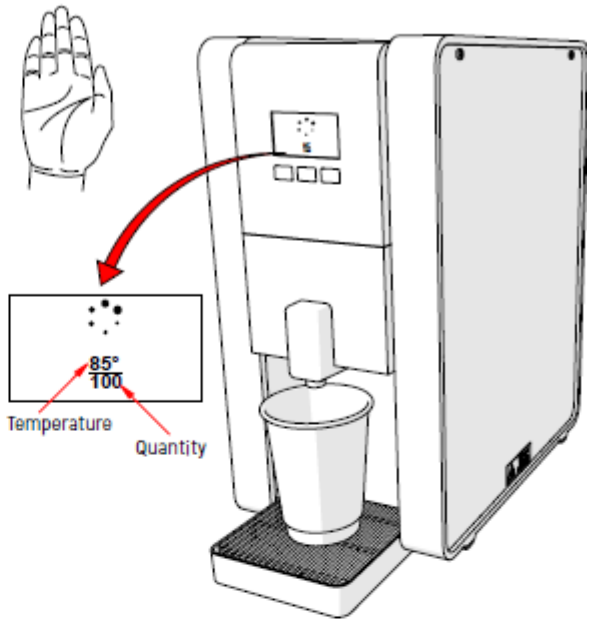
### Operation: Single Temp

1.

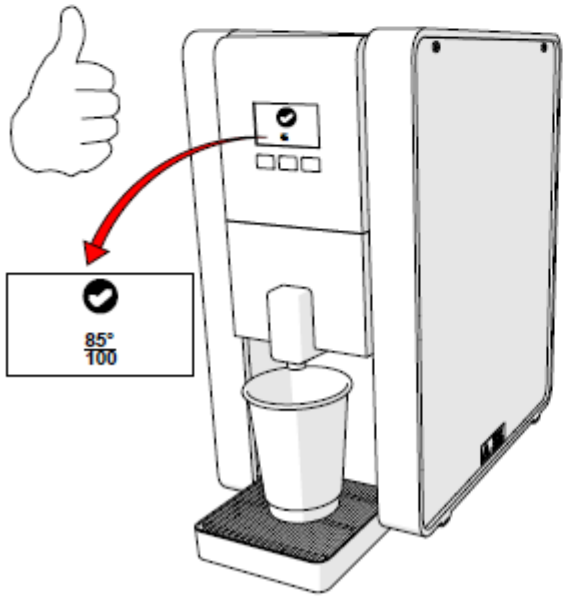



| Diagram of Parts | |
|---|---|
| 1 | Access Panel |
| 2 | Screen |
| 3 | Push Buttons |
| 4 | Dispense Nozzle |
| 5 | Drip Tray |
| 6 | Service Panel |

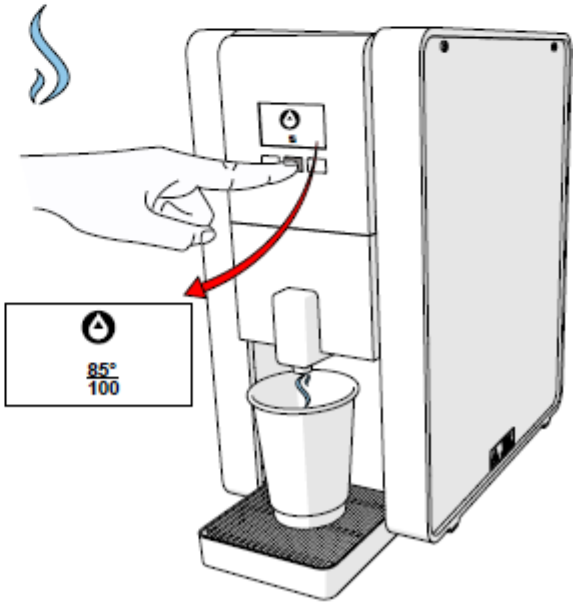
2.




3.

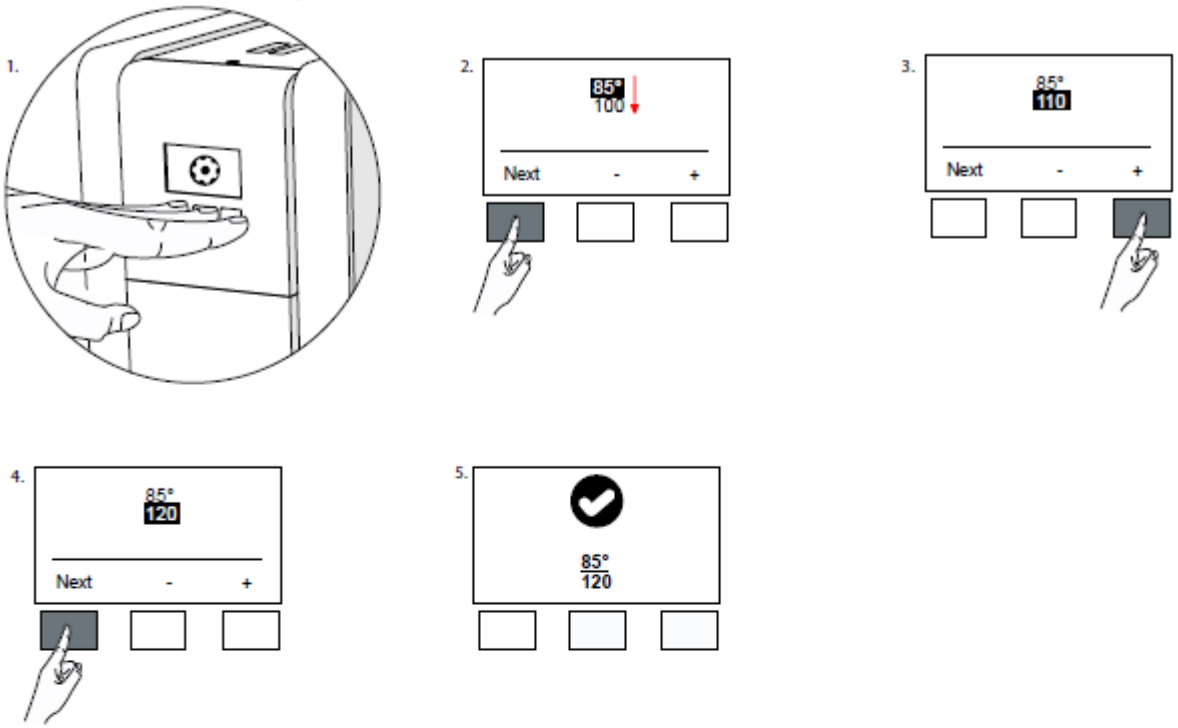



4.

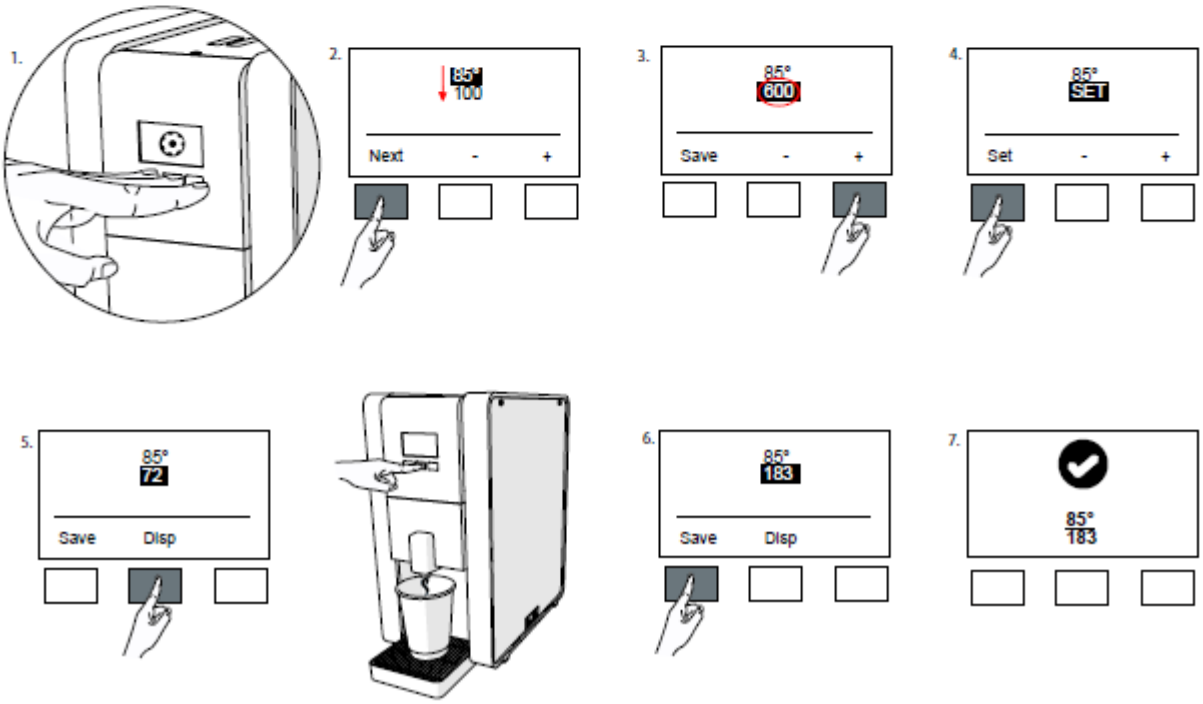


## 6.2 PB Boiler – Single Temp Operation (cont.)

Programming: Single Temp – Method 1



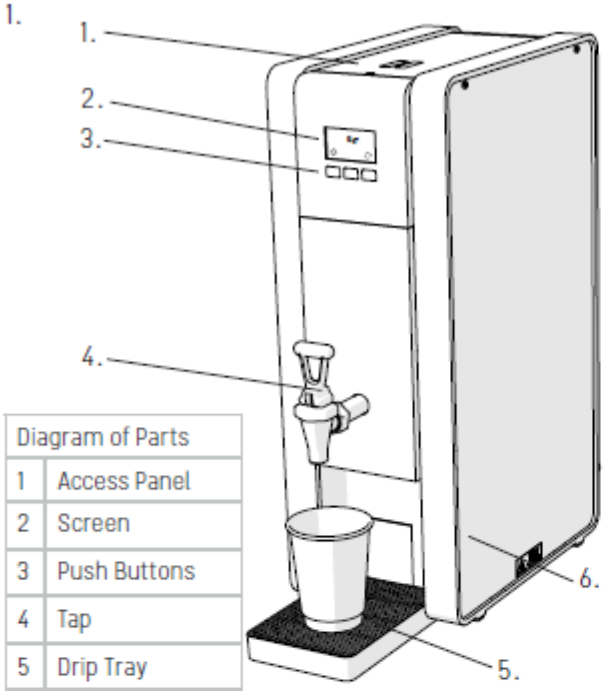

Programming: Single Temp – Method 2



## 6.2 Tap Boiler – Operation

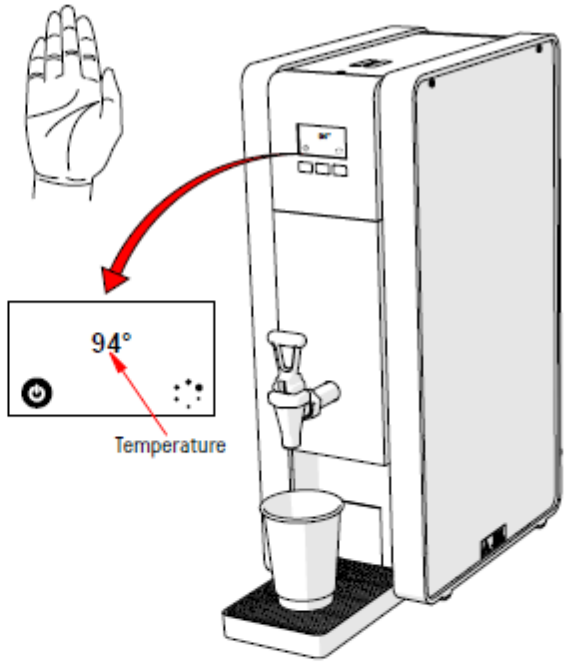
Operation: Tap

1.

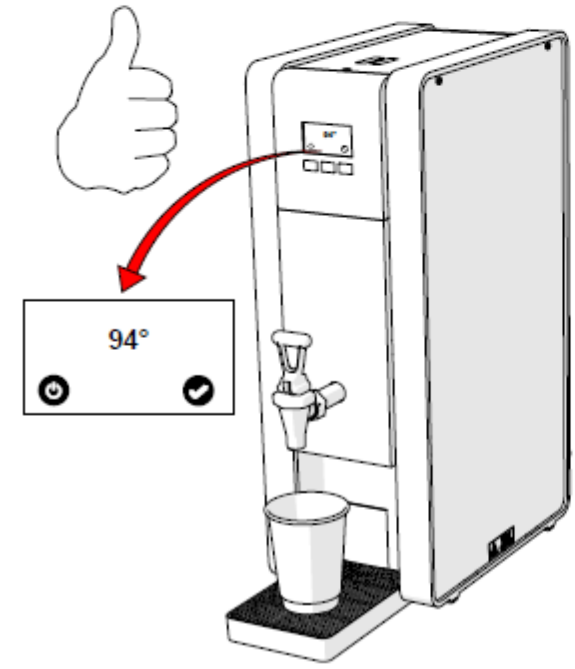



| Diagram of Parts | |
|---|---|
| 1 | Access Panel |
| 2 | Screen |
| 3 | Push Buttons |
| 4 | Tap |
| 5 | Drip Tray |
| 6 | Service Panel |

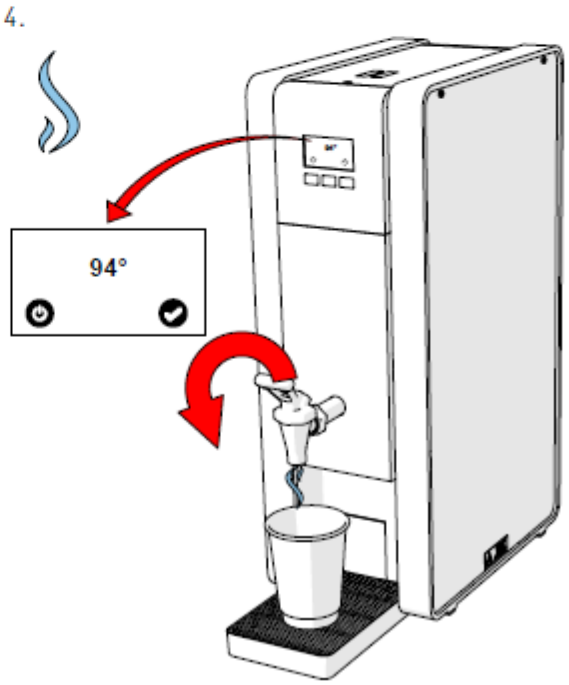
2.




3.



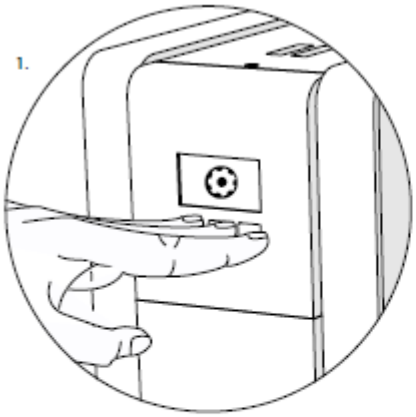

4.



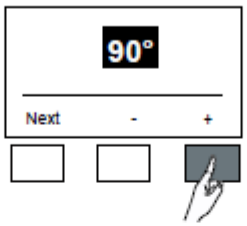
## 6.2 Tap Boiler – Operation (cont.)

Programming: Tap

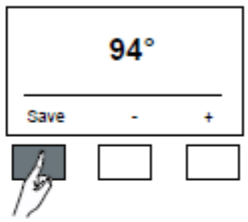
1.



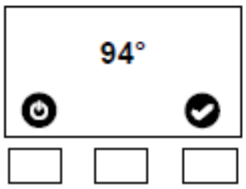
2.



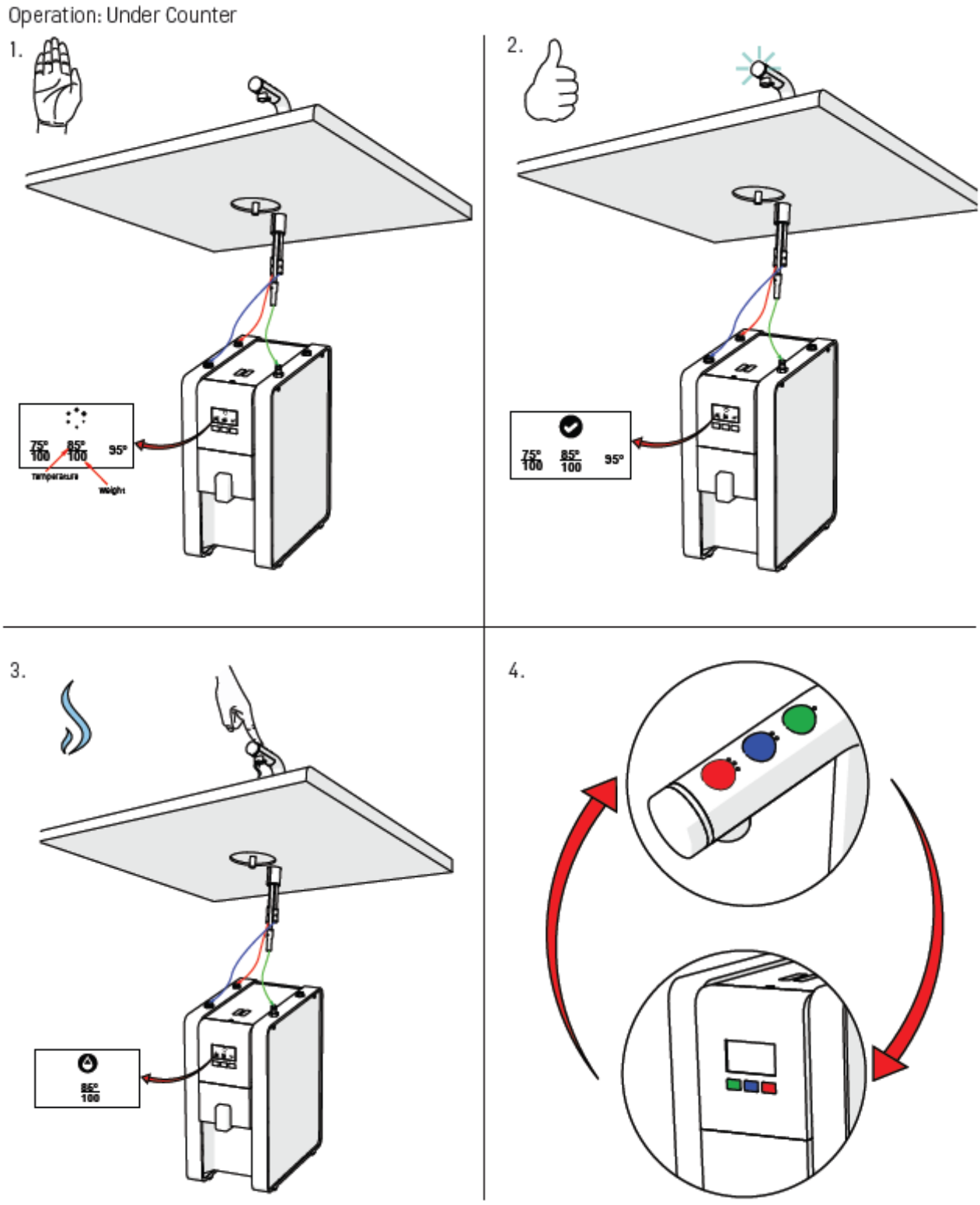

3.




4.

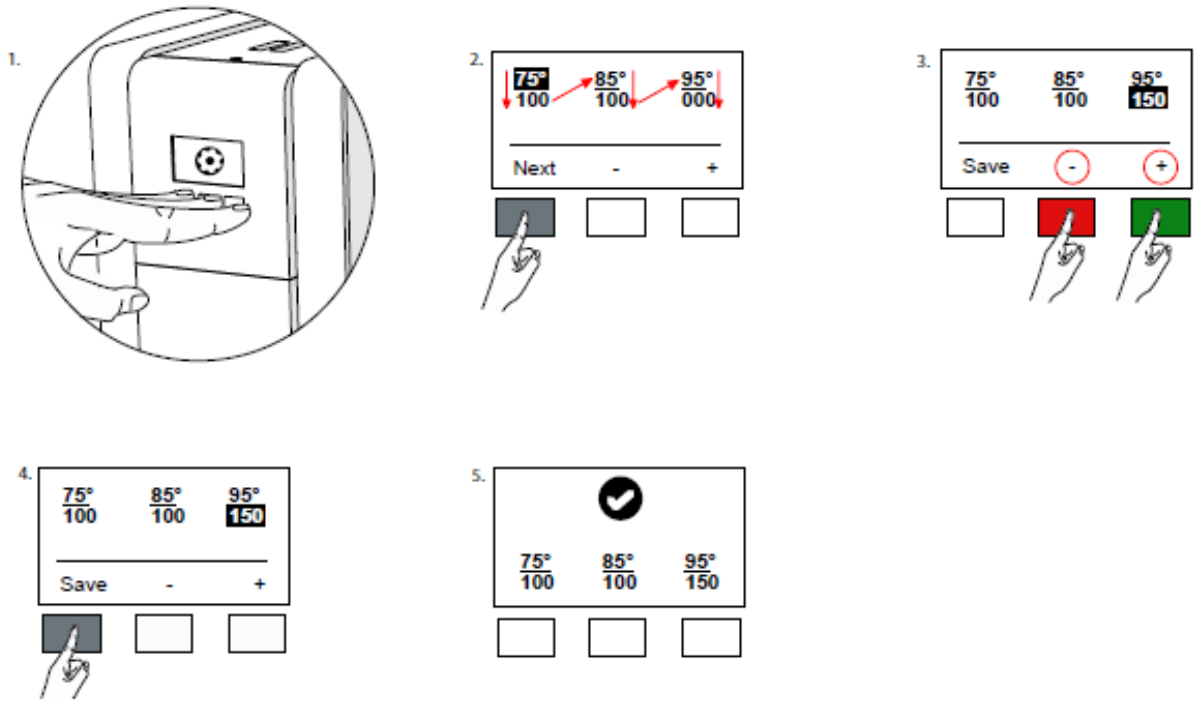


## 6.3 UC Boiler – Operation

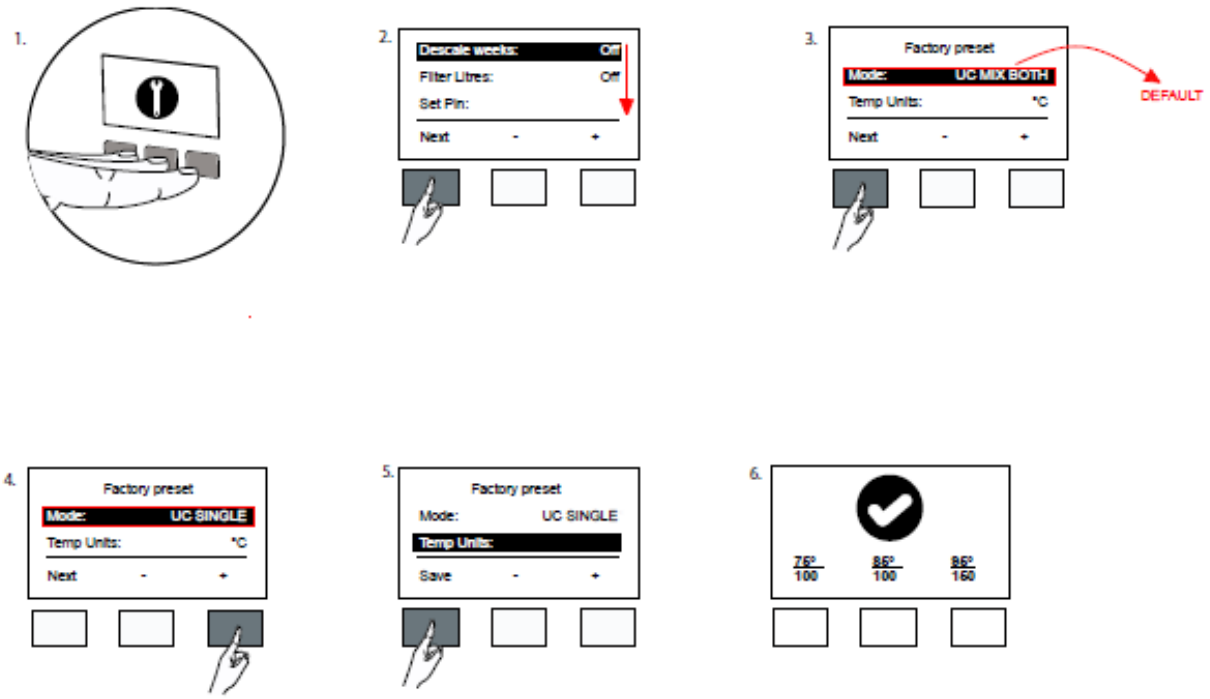


## 6.3 UC Boiler – Operation (cont.)

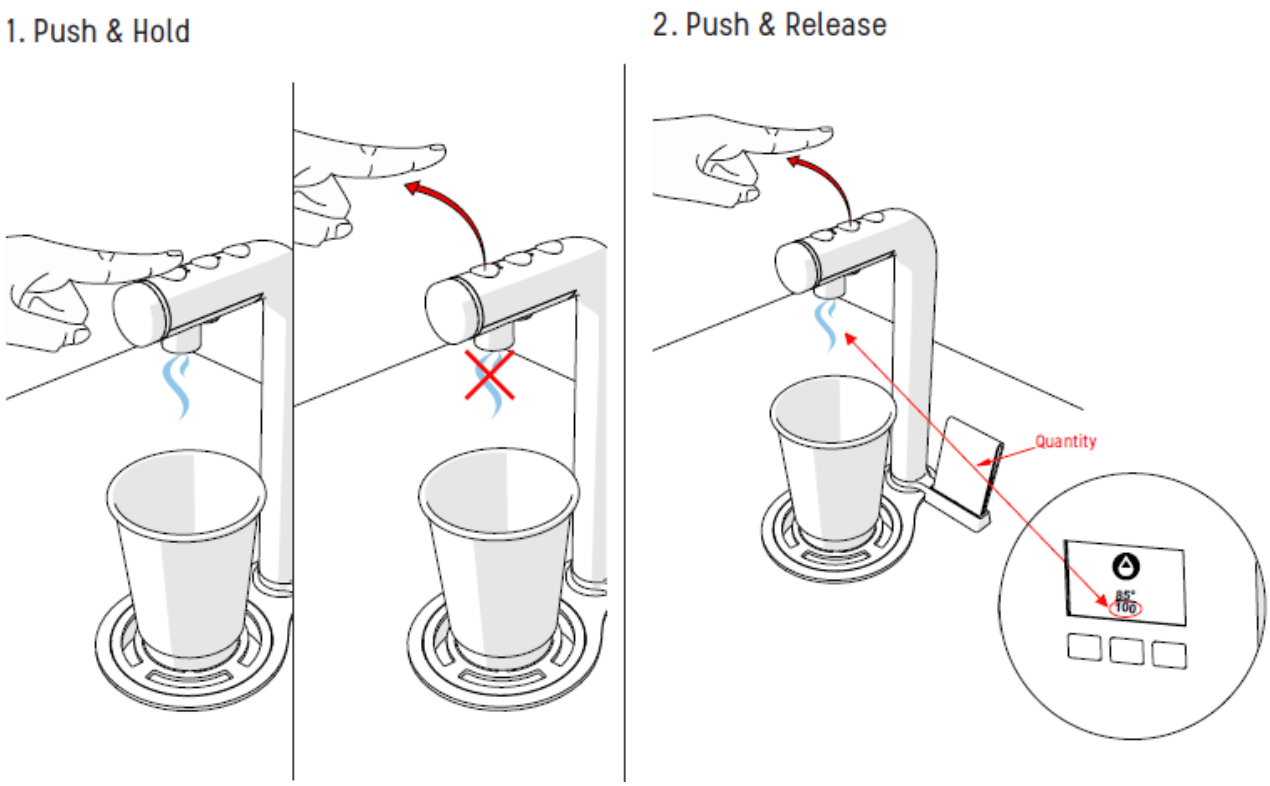
Programming: Under Counter




Set Up Single Button Font (default is 3 button font)



## 6.4 Mix Font – Operation



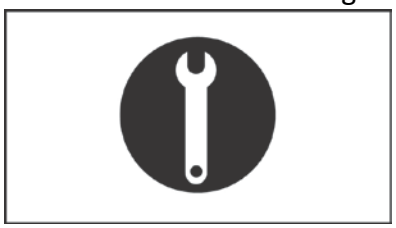
## 7. MENU NAVIGATION

There are 3 menu 'levels' to the Mix Boiler settings.

**Level 1** – User Settings

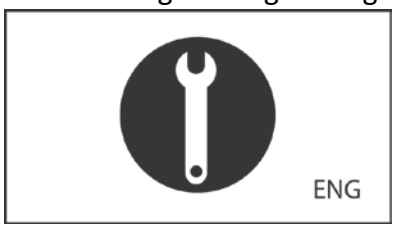
Enter by pressing all 3 buttons simultaneously

**Level 2** – Advanced Settings



Enter by pressing all 3 buttons simultaneously for > 3 <6 seconds

**Level 3** – Engineering Settings

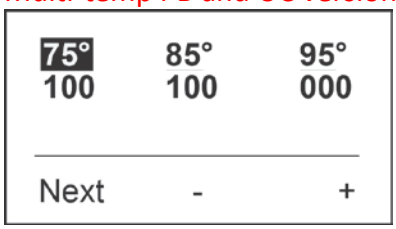


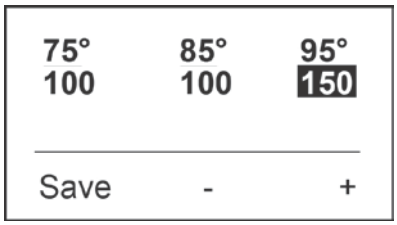

Enter by pressing all 3 buttons simultaneously for > 6 seconds

### 7.1 User Settings

The screens displayed to the User depend on which machine type the software has been set to.

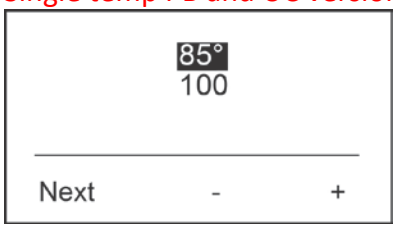
Multi-temp PB and UC versions:



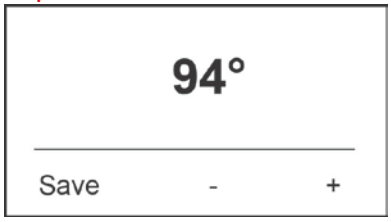

The Top row sets the desired dispense temperature of the corresponding button on the Boiler (or the Mix dispense font in the case of a UC version).
The second row shows the desired dispense volume – a volume of '000' sets the dispense button to 'Push & Hold' mode.
Press **'NEXT'** to cycle through each value shown on the screen.
Press **+ or –** to adjust a value.
Press **SAVE** to store values and return to normal operation.

Single temp PB and UC versions:

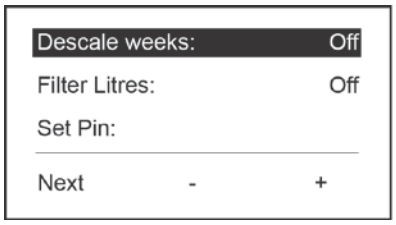



(**NOTE**: in single temp mode ONLY the middle dispense button is enabled – the buttons to either side as dis-abled.)

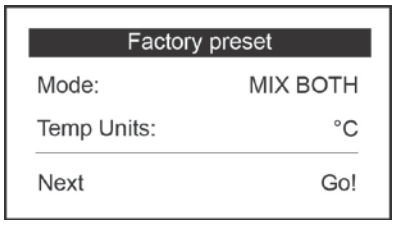
Tap versions ONLY:



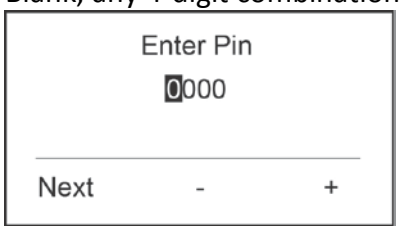
### 7.2 Advanced Settings (Hold all 3 buttons simultaneously for >3 <6 seconds)




Screen 1

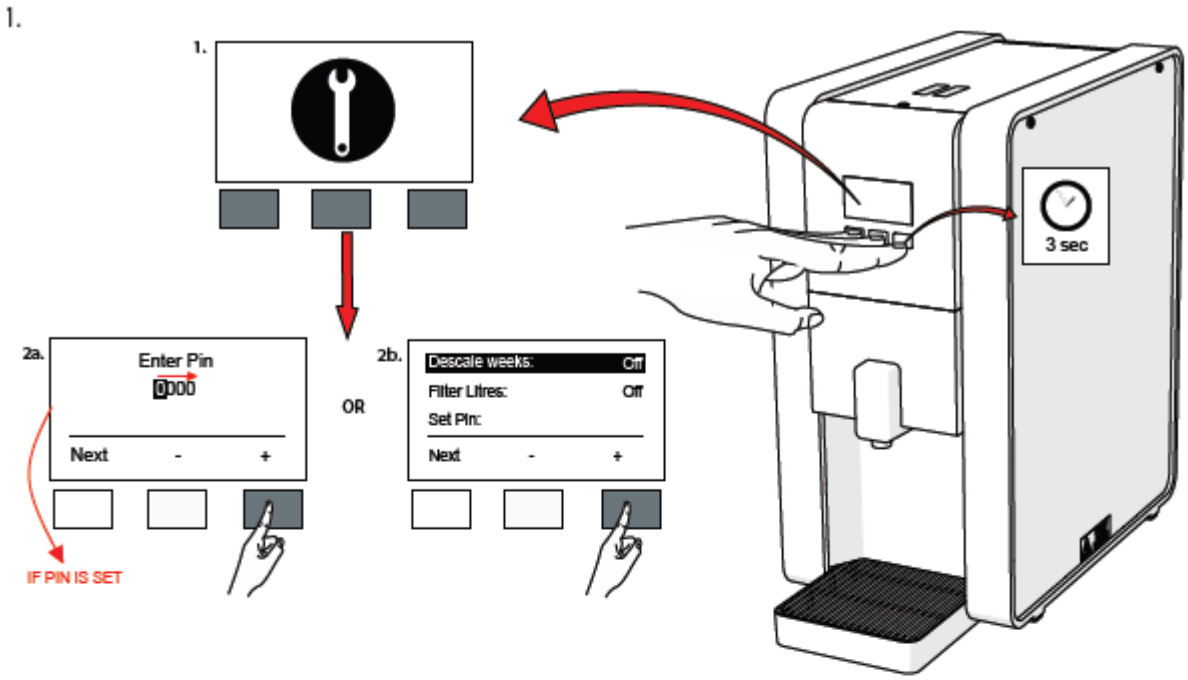



Screen 2

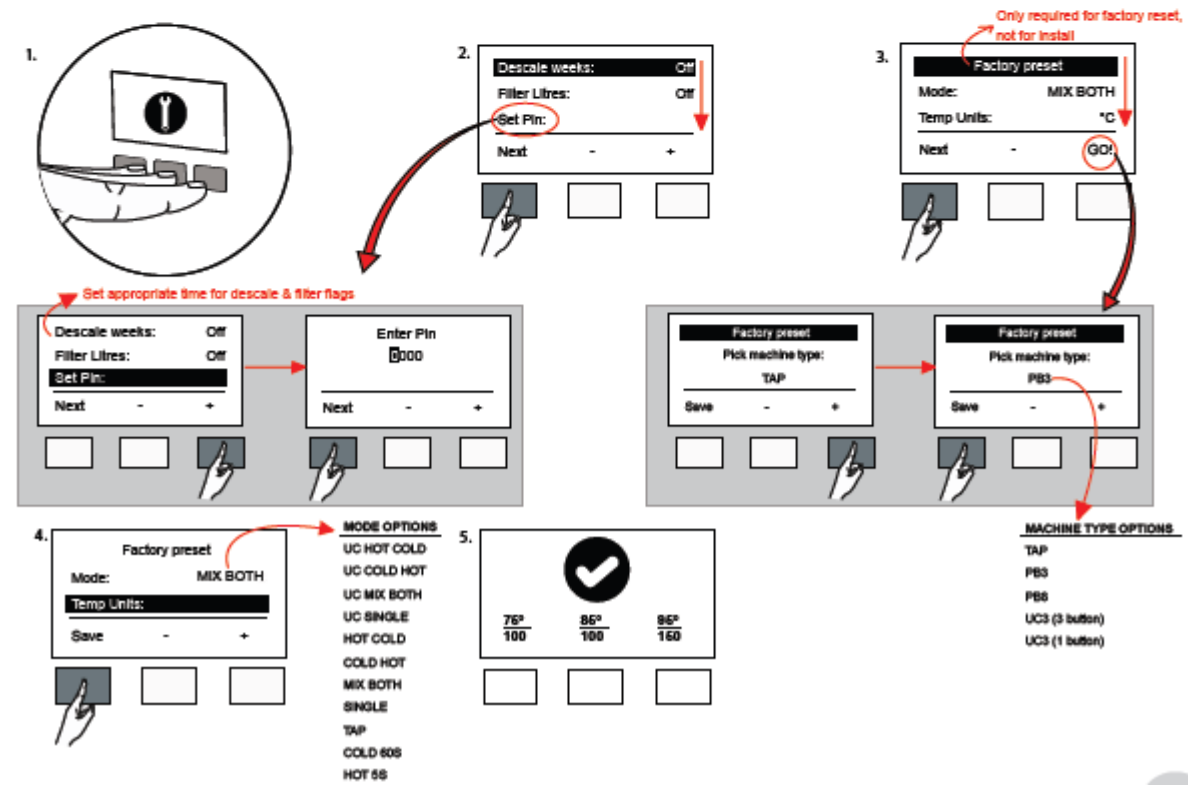
| Setting | Options |
|---|---|
| **Descale Weeks** | OFF, 1-60 weeks – When set to a week period, a message will appear on screen to descale after that time period has elapsed. |
| **Filter Litres** | OFF, 500 – 15000L – When set to a Litre amount, a message will appear on screen to replace the filter after that amount of water has been used. |
| **Set Pin** | Setting the PIN to any number other than '0000' will restrict access to the Advanced and Engineering Level settings.<br><br>Blank, any 4-digit combination.<br>  <br>(Back door PIN in the event of forgotten PIN is: 1793) |
| **Factory Preset** | Resets a number of Engineering Level settings specific to a machine type.<br>Allows selection of machine type from:<br>TAP<br>PB3<br>PB8<br>UC (3 button)<br>UC (1 button) |
| **Mode** | Allows selection of mode types from:<br><br>**Mode Type** / **T be used for:**<br>UC COLD HOT, UC HOT COLD, UC MIX BOTH – UC version connected to 3 button font<br>UC SINGLE – UC version connected to a single button font<br>COLD HOT, HOT COLD, MIX BOTH – PB version in Multi-temp operation<br>SINGLE – PB version in single-temp operation<br>TAP – Tap versions<br>COLD 60S – for calibration and diagnostic purposes only<br>HOT 5S – for calibration and diagnostic purposes only |
| **Temp Units** | $^{o}$C or $^{o}$F |

## 7.2 Advanced Settings (cont.)

1.



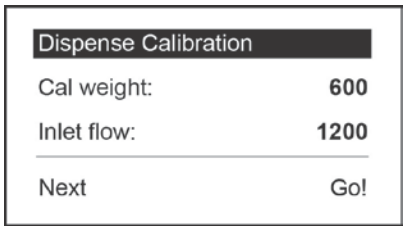

2.



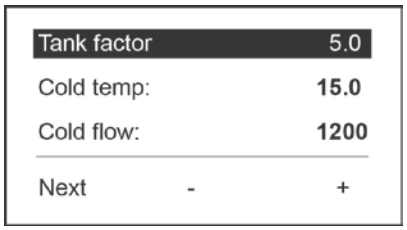
### 7.3 Engineering Settings (Hold all 3 buttons simultaneously for >6 seconds)

The options available in the Engineering settings are usually only required during factory assembly and are mainly related to the functionality of the multi-temp software control.

In the instance where some install locations differ wildly from normal (eg extremely hot or cold incoming mains water), or if a component such as a PCB or inlet solenoid has been changed, this set of options will allow for corrections to be made so that the control software functions properly.



Screen 1

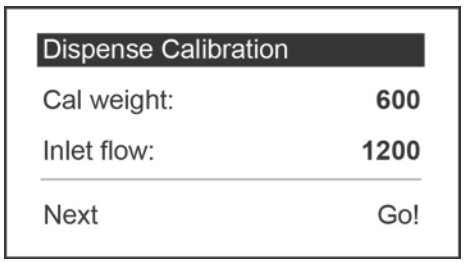


Screen 2

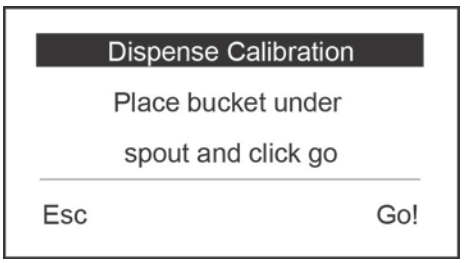
| Setting | Option |
|---|---|
| Dispense Calibration | Pressing '**Go!**' – Initiates the calibration procedure for PB or UC versions. |
| Cal weight | User measured amount of water dispensed during calibration process.<br><br>Default values (depend on machine type):<br>PB3 = 600<br>PB8 = 1050<br>UC (3 button) = 600<br>UC (1 button) = 600 |
| Inlet Flow | The software calculated amount of water through the inlet solenoid into the boiler tank during the calibration process. NOTE: should not be edited once calibration process completed.<br><br>Default value = 1200 |
| Tank Factor | Is a constant used in the software calculations related to the size of the tank and whether the water is pumped or fed by gravity – default settings are:<br><br>Default values (depend on machine type):<br>PB3 = 5.0<br>PB8 = 8.8<br>UC (3 button) = 1.5<br>UC (1 button) = 1.5 |
| Cold Temp | The temperature of the incoming mains water supply as seen at the boiler.<br><br>Default Value = 15.0 |
| Cold Flow | The measured amount of water dispensed through the inlet solenoid fed to the cold water dispense nozzle in 60 seconds for PB or UC versions.<br><br>Default value = 1200. |

### 7.4 Dispense Calibration Procedure (in Engineering Settings)

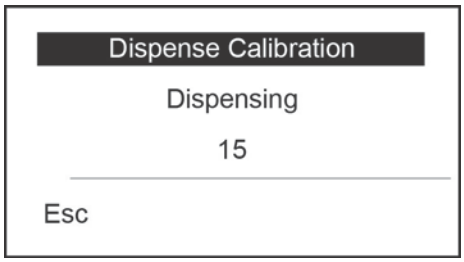
The Dispense Calibration procedure should only be run if the machine has had major component change, such as PCB or inlet solenoid that requires calibration settings to be re-done.




1. Default settings for a PB3. Press **Go!**

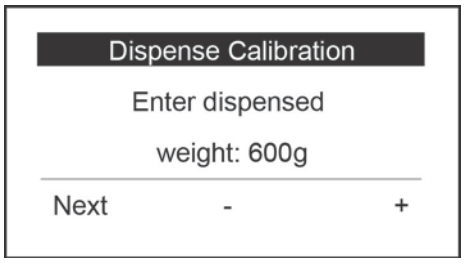



2. Place bucket. Press **Go!**

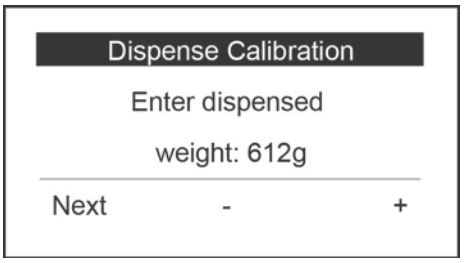



3. Machine will dispense for 15 seconds

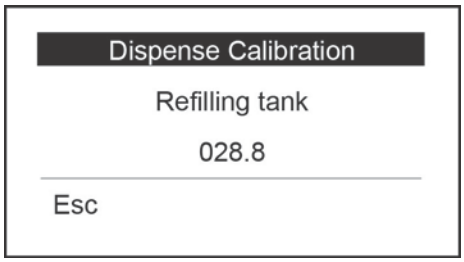
4. Weigh output



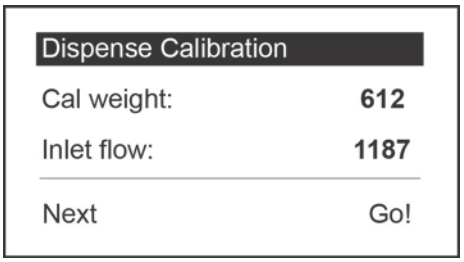

5. Screen will show the above



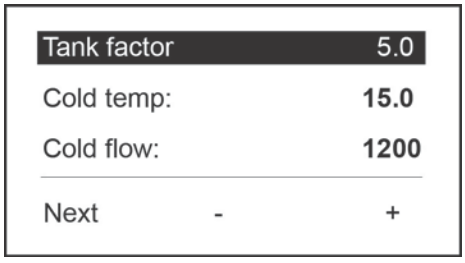

6. Enter Weight using +/-. Press **Next**



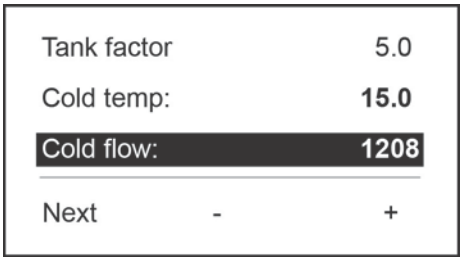

7. Machine will refill to the high level
Time to refill is displayed on screen.




8. Screen will show entered CAL WEIGHT and software calculated INLET FLOW. Press **Next**




9. The second Engineering settings screen will show the above.



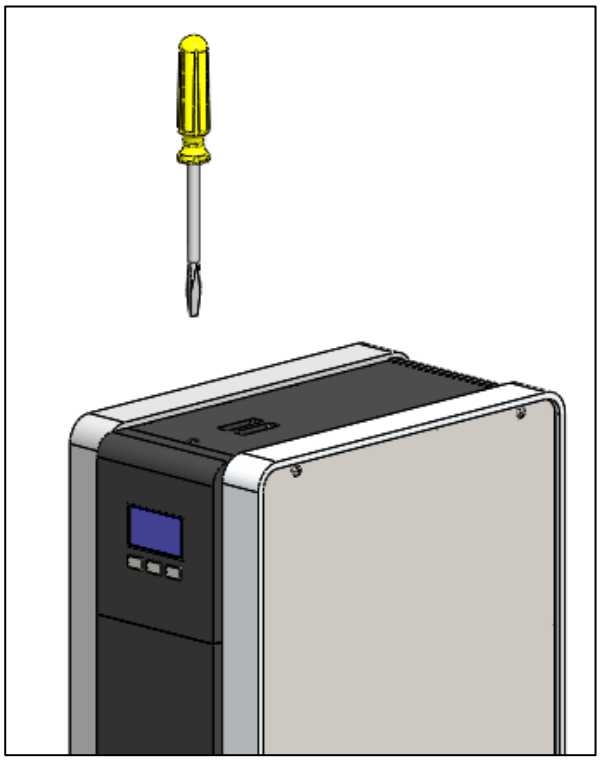

10. If the COLD 60S mode test has been performed, This value can be entered here in COLD FLOW.

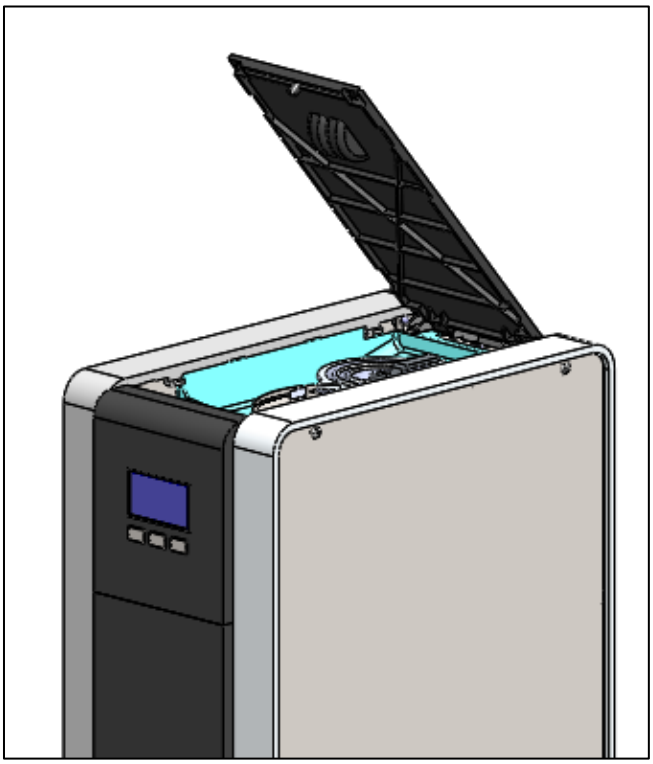
## 8. ROUTINE MAINTAINENCE/INTERNAL ACCESS

Maintenance should be carried out by Marco approved technicians only.

### 8.1 Top Lid Removal:

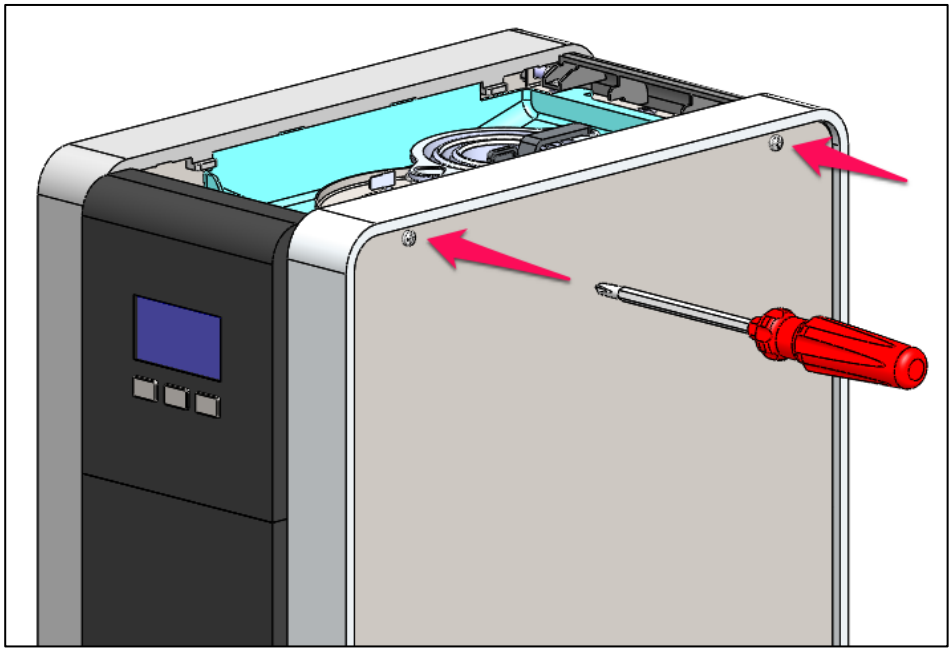
1. Remove the screw in the top lid with a suitable slotted screwdriver.
2. Rotate lid from the front edge upwards and remove.





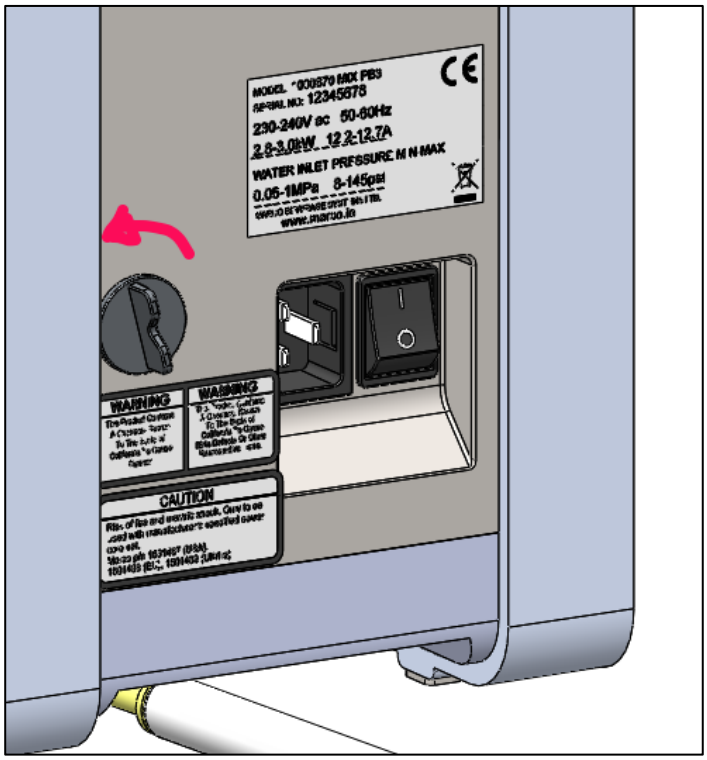
### 8.2 Side Panel Removal:

For maintenance requiring deeper internal access, both side panels can be removed by using a suitable cross headed (phillips) screwdriver.

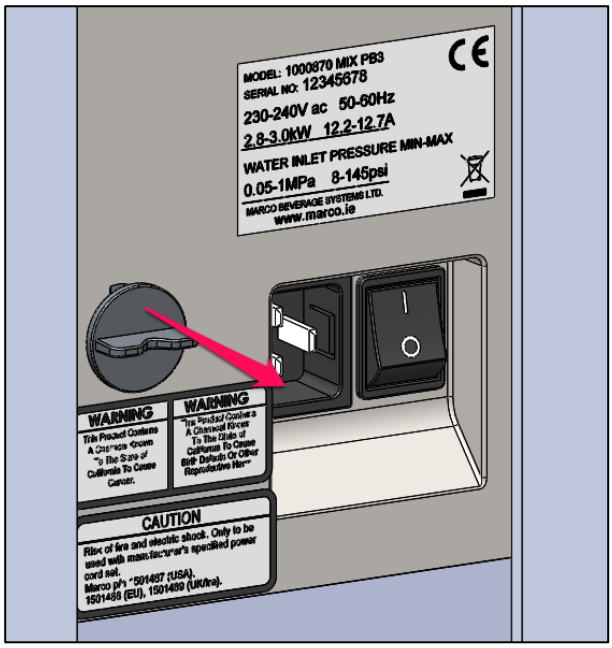


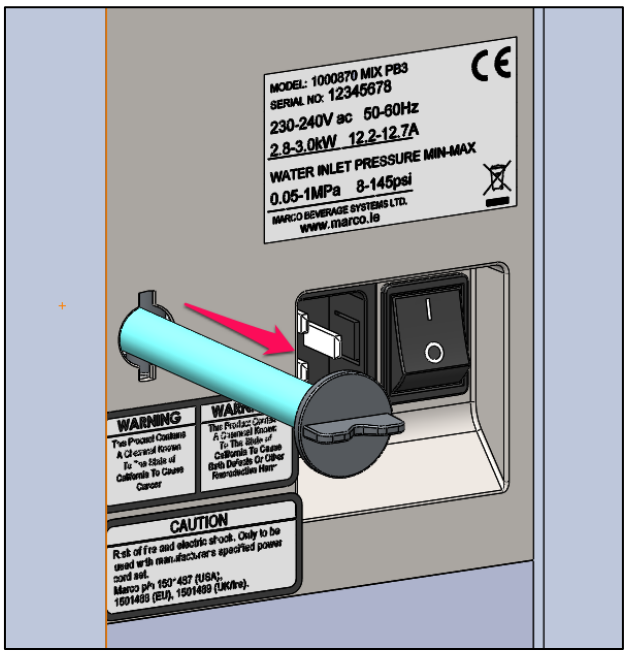
**8.3 Draining the tank:**

1. Turn off machine and disconnect from mains power.
2. Allow to cool sufficiently to avoid burn risk.
3. Place machine so that the rear of the machine is located next to a sink or a bucket large enough to hold the full contents of the tank.
4. Unclip drain hose plug from rear panel by rotating anti-clockwise 90°.




5. Gently pull silicone hose from the inside of the machine.

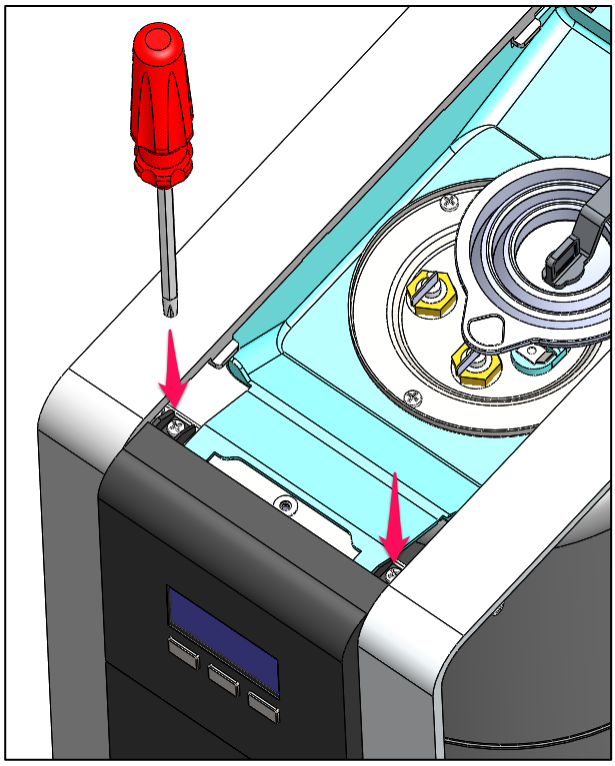


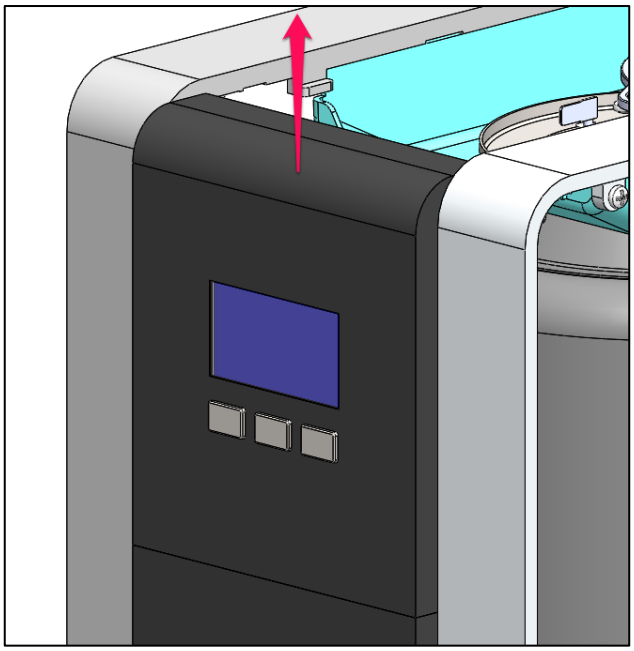



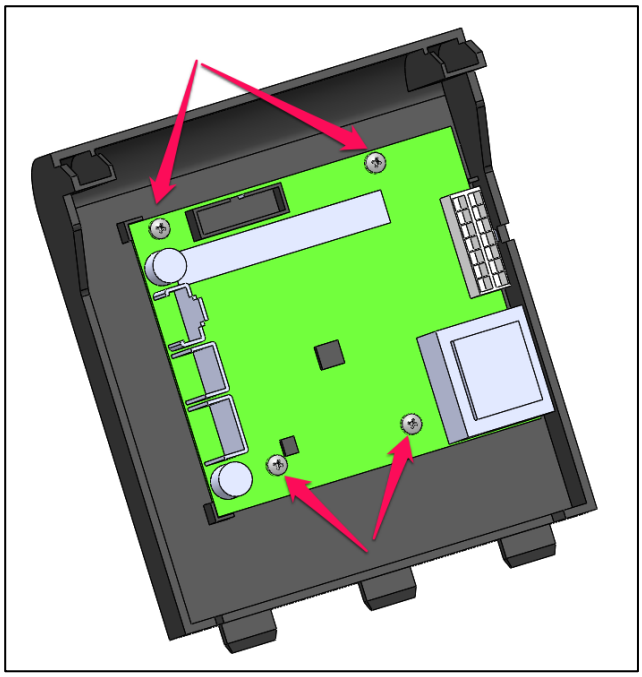

6. Remove drain plug from the end of the silicone hose and empty into sink or bucket.
7. Replace drain plug fully into silicone hose and push silicone hose gently back into the machine.
8. Re-clip the drain plug to the rear plastic enclosure panel by rotating 90° clockwise.

**8.4 PCB replacement:**

1. Remove Top Lid & Side panels as per sections 8.1 and 8.2.
2. Disconnect all wiring connected to the PCB.
3. Remove two cross headed screws with a suitable screwdriver shown in the picture below.
4. Pull Upper front Fascia Panel upwards to remove from the machine.
5. Remove 4 screws to release PCB from Front Fascia panel.

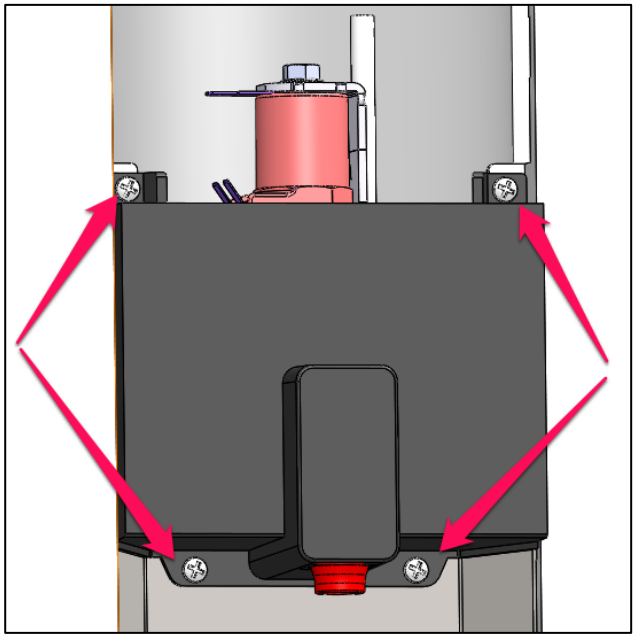






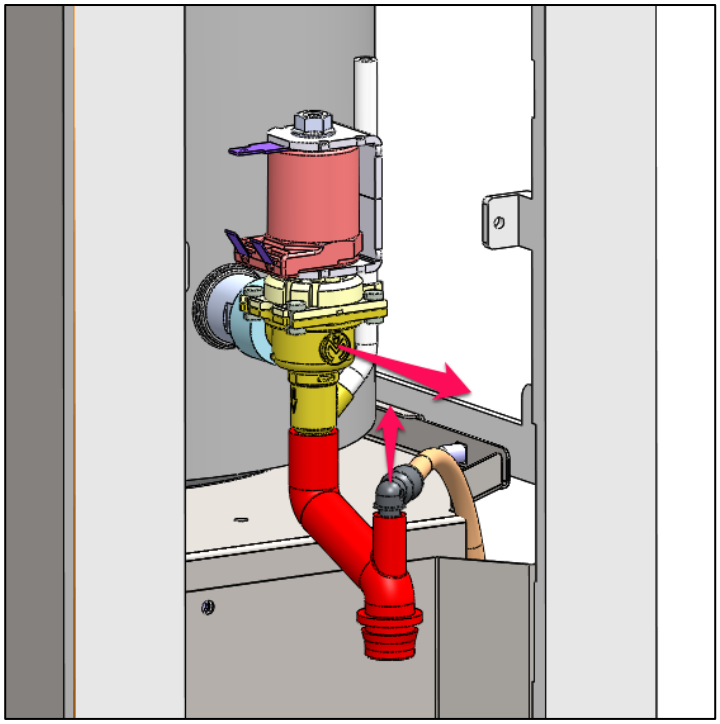
**8.5 Dispense Solenoid or Pump replacement:**

1. Remove Upper Fascia Panel as per section 8.4.
2. Undo 4 retaining screws as shown in picture below.
3. Then pull the plastic panel directly outwards from the machine. (For PB versions, push the silicone dispense nozzle through the hole – the nozzle will need to be squeezed slightly).



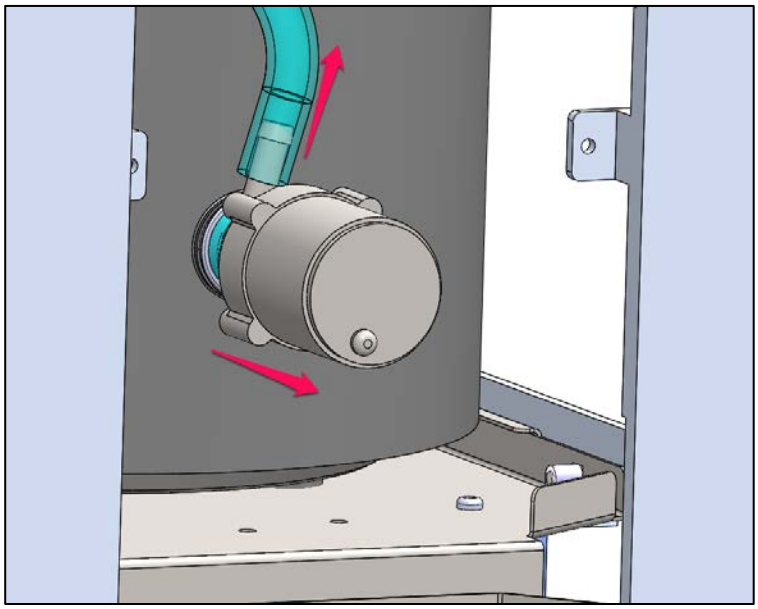
To remove the dispense solenoid in a PB version: **(CAUTION - make sure tank is drained fully first as per section 8.3!)**

1. Disconnect all wires connected to solenoid.
2. Disconnect cold water feed in to the Silicone dispense nozzle by pulling upwards.
2. Pull dispense solenoid out of the silicone mounting grommet. If the grommet is damaged it may need to be replaced.



To disconnect a pump in a UC version: **(CAUTION - make sure tank is drained fully first as per section 8.3!)**

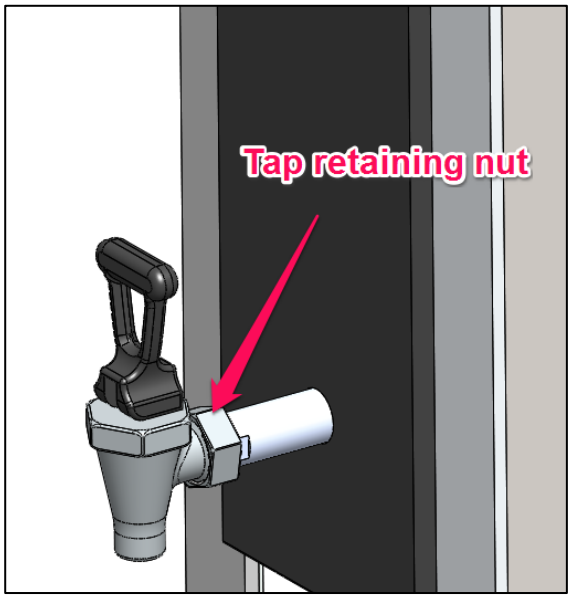
1. Disconnect all wires connected to the pump
2. Pull the silicone hose off the outlet side of the pump.
3. Pull the pump out of the silicone mounting grommet.

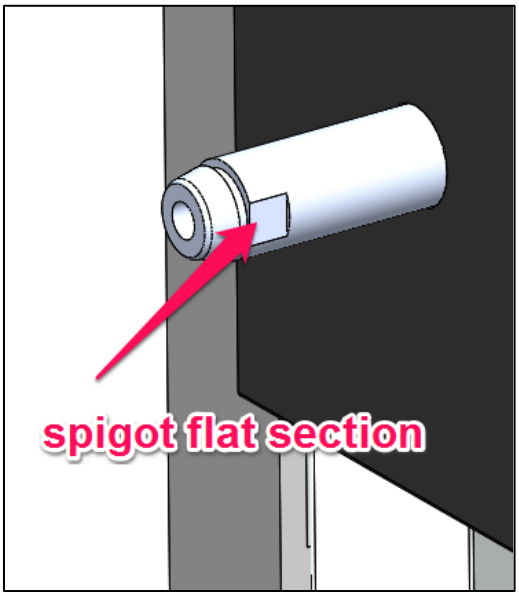


**8.6 Dispense Tap removal**

To remove the dispense tap in any Tap version boiler: **(CAUTION - make sure tank is drained fully first as per section 8.3!)**

1. Loosen Tap retaining nut by turning clockwise.
2. When tightening the nut, the spigot should be gripped and held in place by a 19mm spanner at the flat sections.

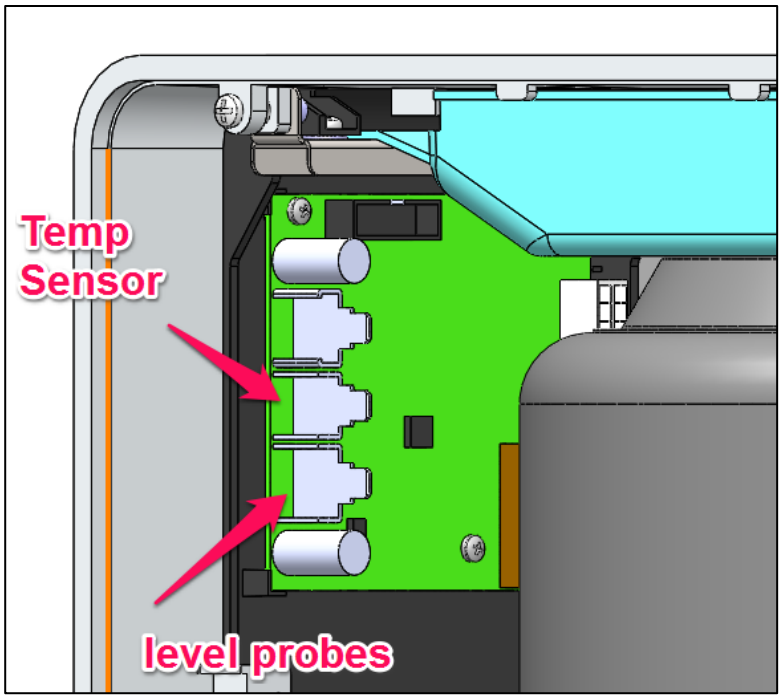


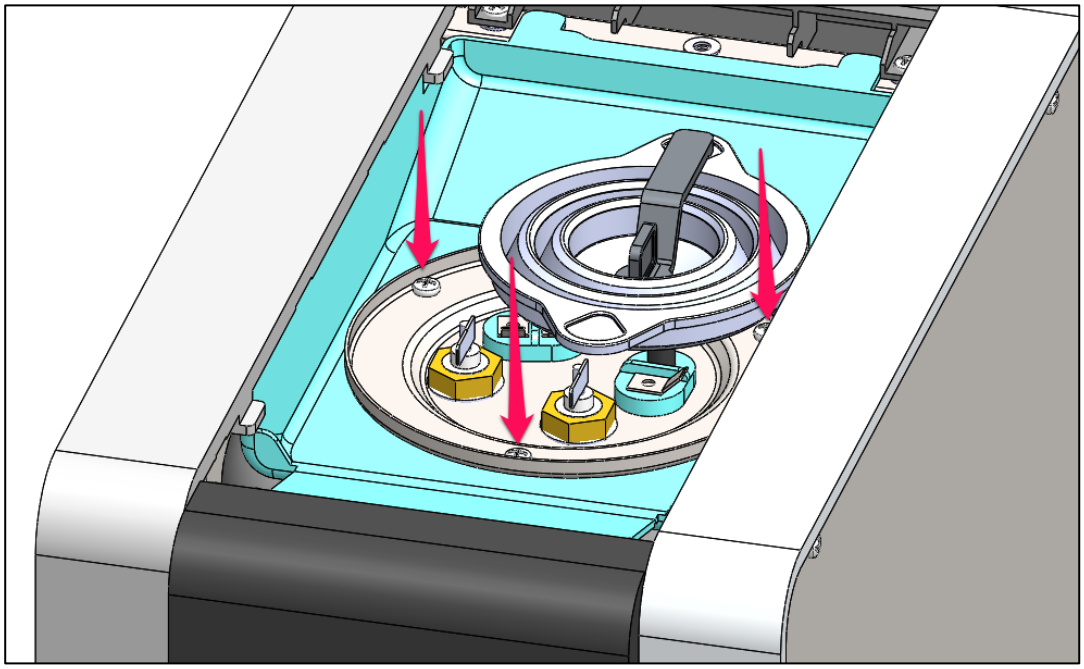
### 8.7 Tank Lid Sub-Assembly Removal

To remove the Tank Lid sub-assembly (with element, thermistor & level probes attached):

1. Disconnect machine from mains power and allow to cool!
2. Remove Outer Lid as per section 8.1 and right hand side panel as per section 8.2.
3. Disconnect heating element wires as well as disconnecting the level probe connector and thermistor connectors at the PCB.

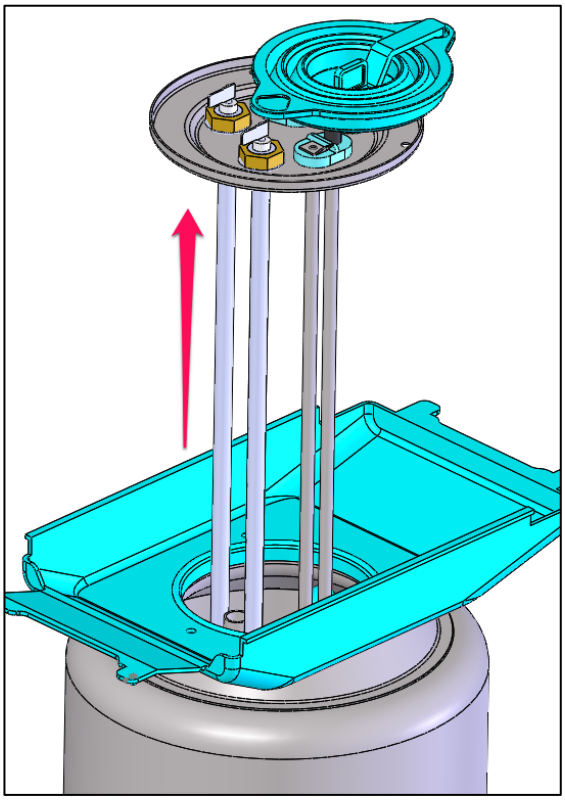


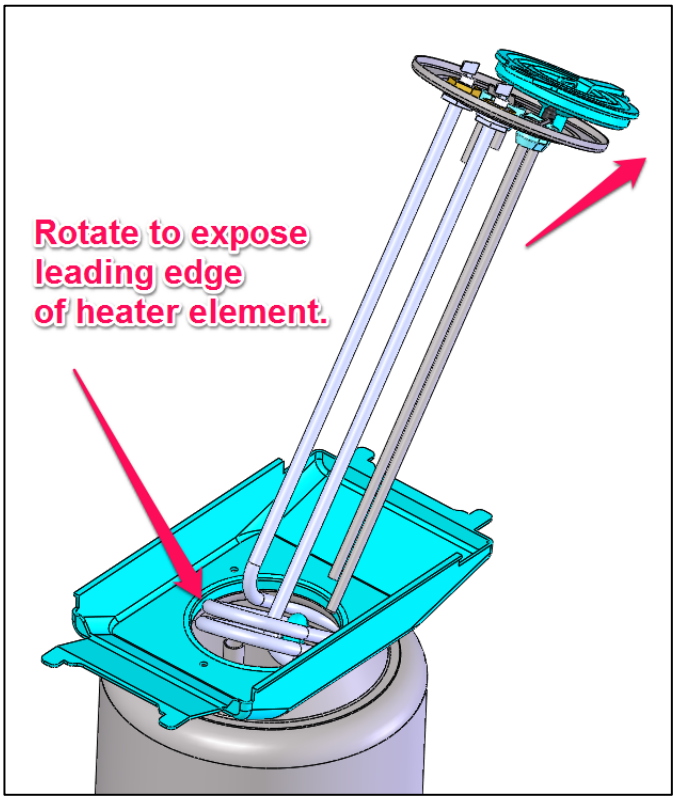

4. Undo the 3 Tank Lid retention screws located in the picture below. For the screw underneath the collapsible funnel simply push funnel gently out of the way to access the screw.



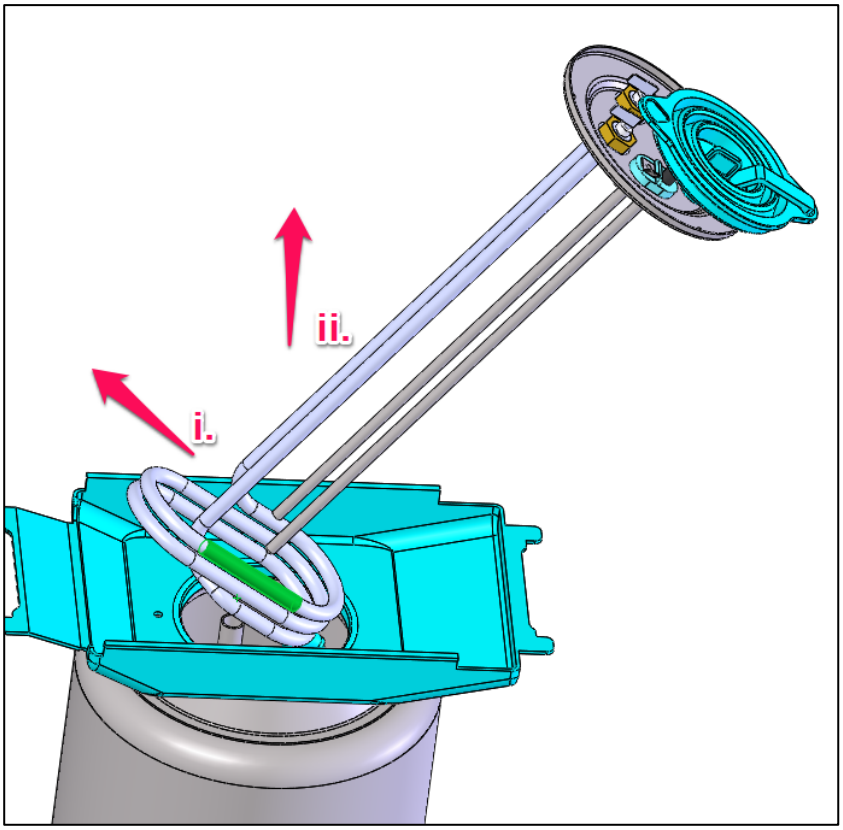
5. Gently pull the Tank Lid sub-assembly upwards initially – ensure wiring does not get caught as sub-assembly is pulled upwards.

6. Once the heater element is just over half way out of the tank, start to angle the sub-assembly towards the rear of the machine, and begin to pull the forward bent section of the heating element out of the tank opening.



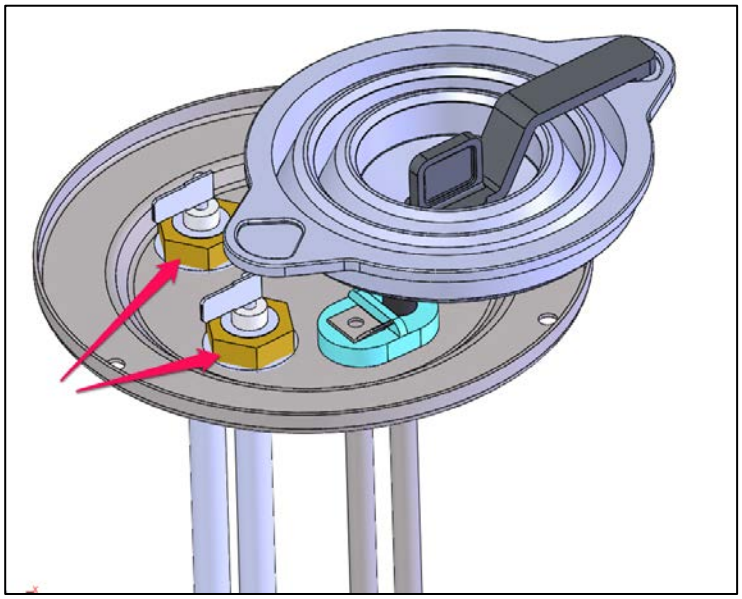



7. Finish removal by then sliding the sub-assembly forwards and upwards to disengage from Tank opening.



### 8.8. Heater Element Removal

1. Remove Tank Lid sub-assembly as per section 8.6
2. Undo the two 18mm lock nuts and slide the heater element tabs through the holes in the lid.



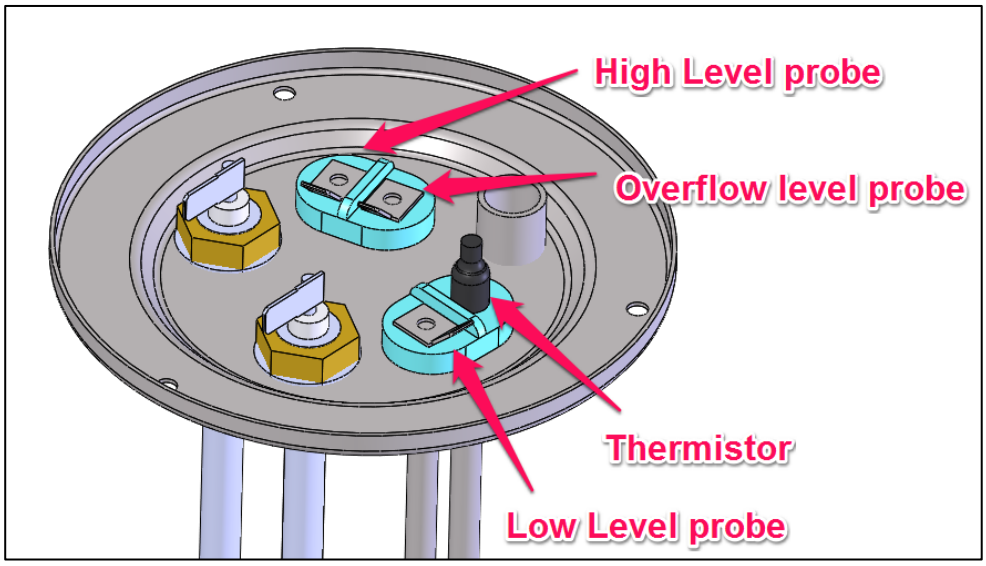
### 8.9 Thermistor & Level Probes - Cleaning & replacement

There are 3 probes (low level, high level and descale/overflow) on the Mix Boiler range.

Each probe is 'push-fit' mounted into a silicone mounting grommet.

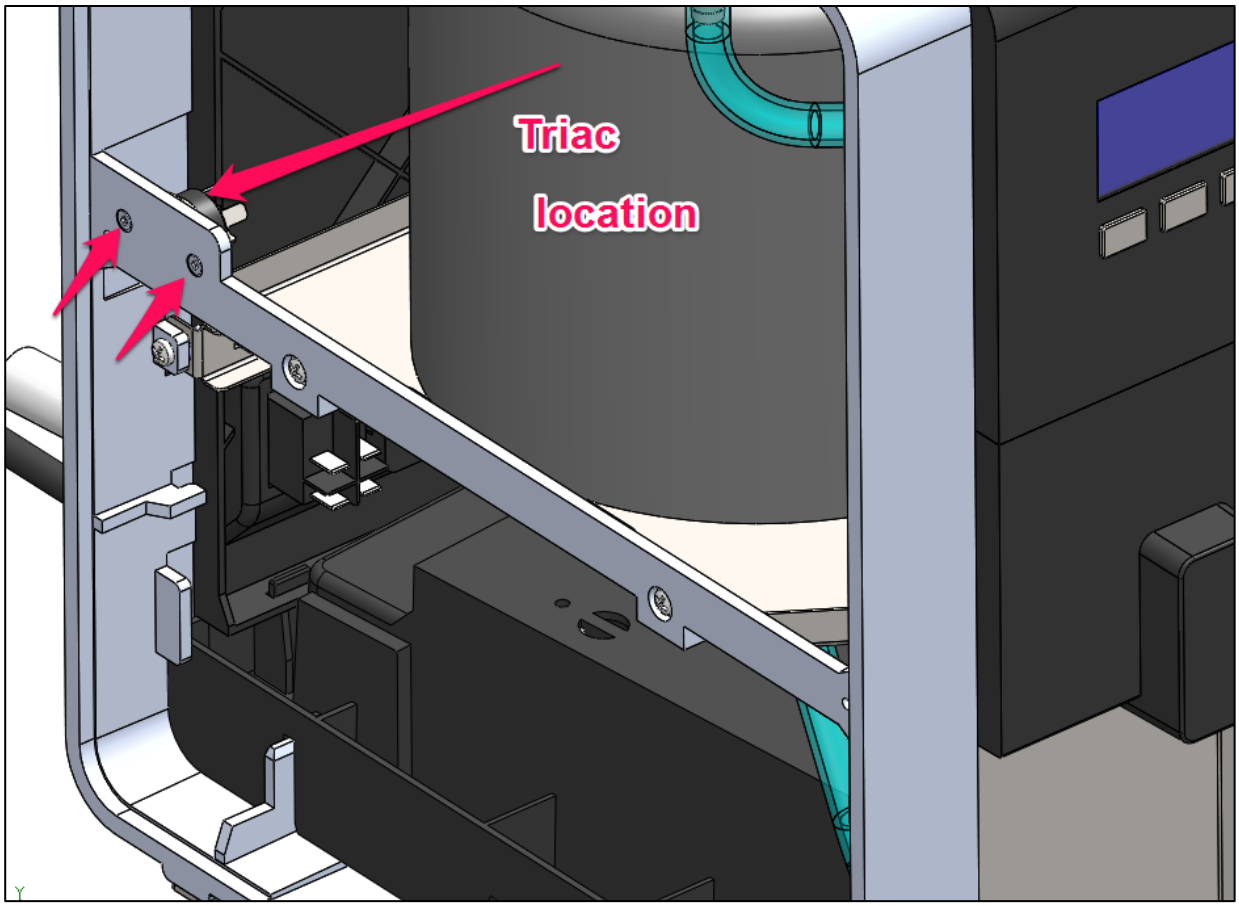
The low level and thermistor are paired together in one grommet and the high level and overflow level probes are paired together in the other.

The Tank lid sub-assembly does not need to be removed to access the level probes as they can be pulled from the silicone mounting grommet by the metal electrical tab – the descale funnel can be pushed gently out of the way to access. The thermistor can be pulled directly from the mounting grommet using a suitable set of pliers.

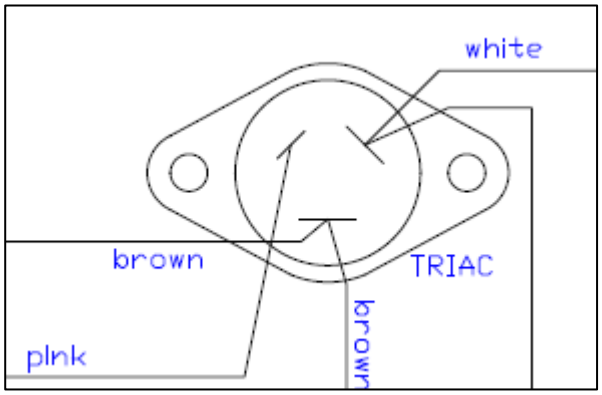


## 8.10 Triac Replacement

1. Disconnect the machine from mains power.
2. Remove the left hand side panel as per section 8.2.
3. Disconnect all wires to the Triac – **making note of the correct wiring terminal connections**
4. Undo two retaining screws as located in the picture below.

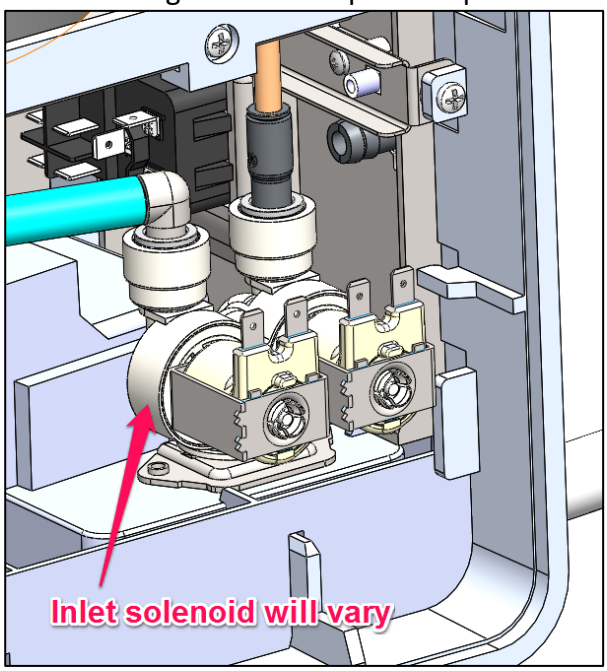



Correct triac wiring (as per wiring diagrams):

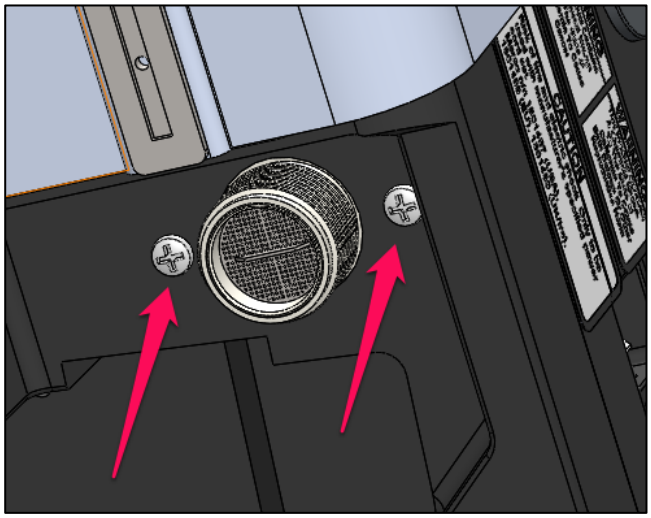


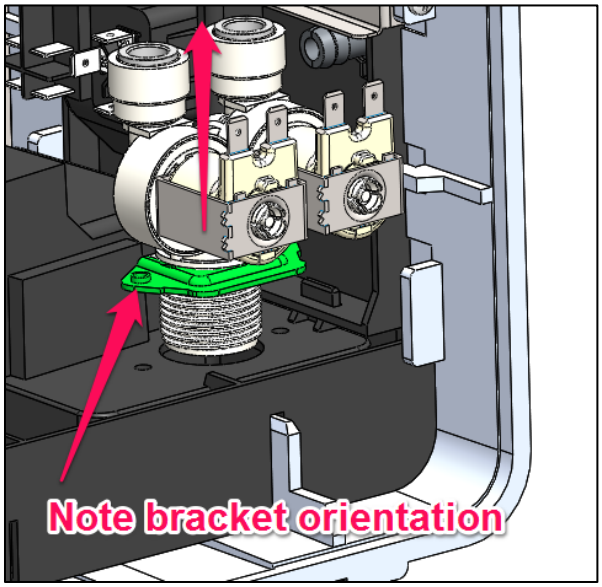
## 8.11 Inlet solenoid Replacement

1. Disconnect machine from mains power and allow to cool completely.
2. Drain tank fully as per section 8.3.
3. Remove right hand side panel as per section 8.2




4. Disconnect all wires and hoses to the inlet solenoid.
5. Remove two solenoid retaining screws located on the base of the machine.
6. Remove solenoid by pulling upwards (**NOTE**: if replacing solenoid, observe the orientation of the mounting bracket of the solenoid being removed. If orientation is NOT correct the solenoid will not fit)





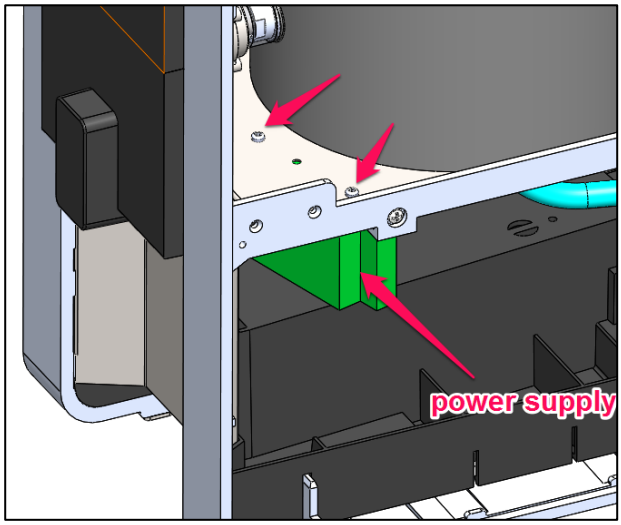
### 8.12 Pump Power Supply (UC versions only)

The power supply for the pump is mounted underneath the Tank Support.
There are two possible versions of power supply fitted in slightly different locations.

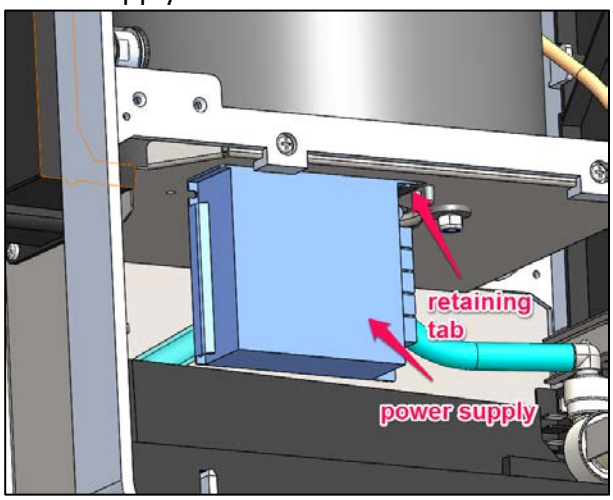
**Power supply 1** is fitted to UC3's with serial number <0517xxxxxx.
**Power supply 2** is fitted to UC3's with serial number >0517xxxxxx.

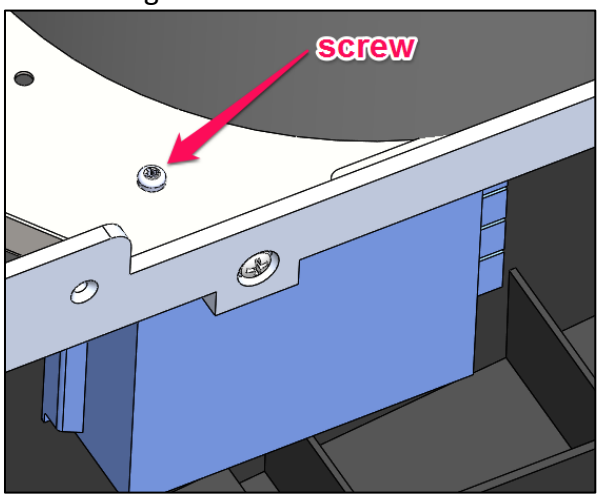
Power supply 1 has been obsoleted so all spare parts requests will be supplied with the power supply 2.

Power supply 1 location:




Power supply 2: shown below is mounted with one retaining tab and one M3x6mm screw.



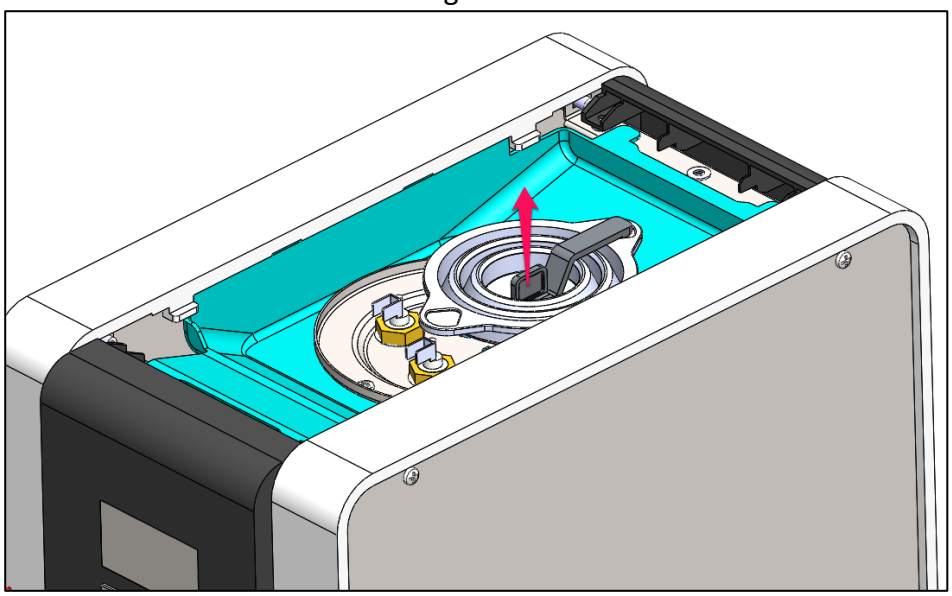




If a UC3 unit with a **power supply 1** fitted needs replacing, simply remove and refit with **power supply 2**. The retaining tab is not present on the early model tank supports so the single m3x6 screw should be used to mount the power supply 2 in place.

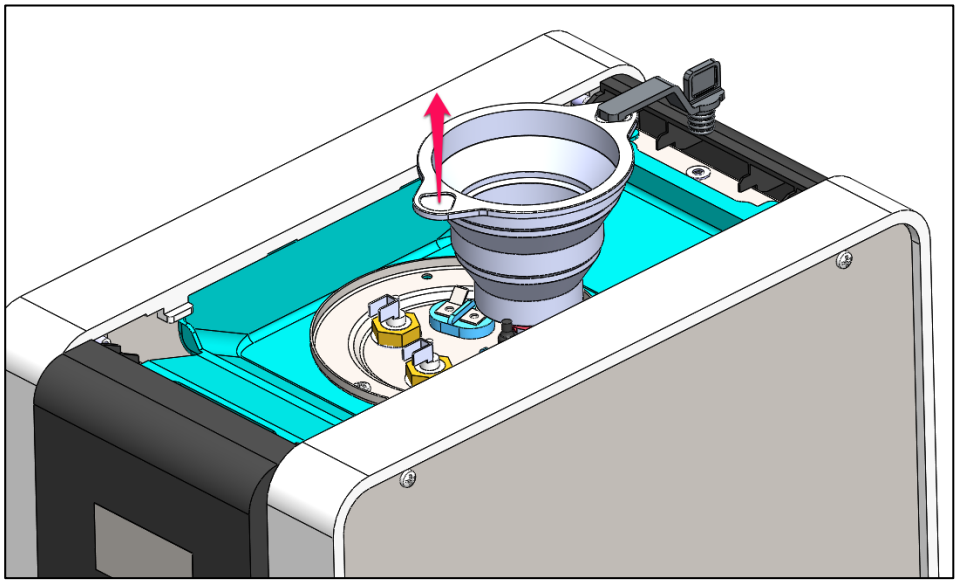
**8.13 De-scaling the tank:**

Descaling the tank in the Mix range is a little different to other water boilers as the boiler now includes a collapsible funnel for pouring in the pre-mixed descale solution.

1. Disconnect machine from mains power supply and water supply.
2. Allow machine **to cool**.
3. Remove Top Lid as per section 8.1
4. Drain off a sufficient amount water from the boiler that will be replaced by the descale solution, through the drain hose – see section 8.3.
5. Remove the descale funnel bung.



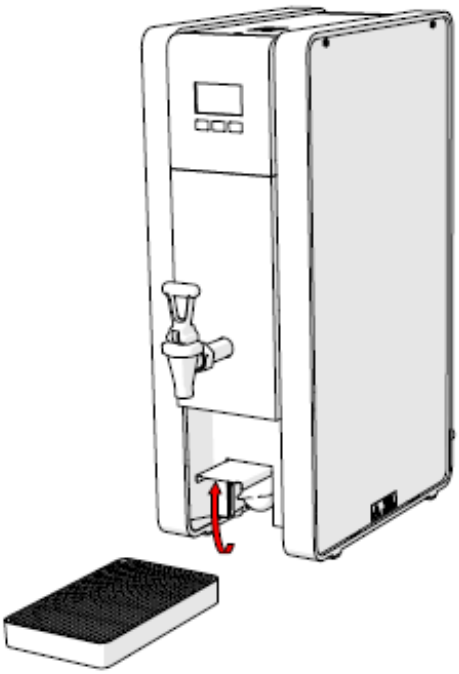
6. Pull funnel into raised position.



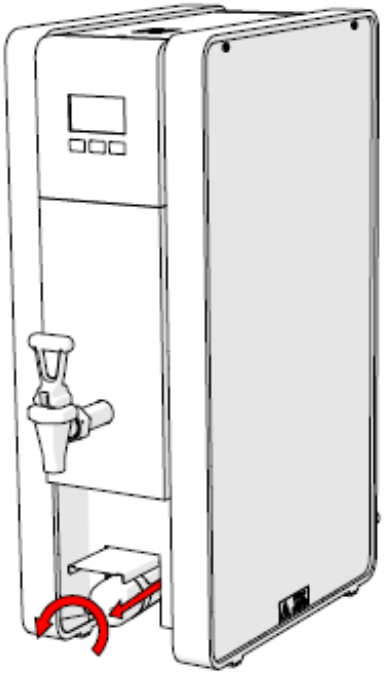
7. Pour in descale solution slowly into funnel.
8. Allow descale solution to work for required time to dissolve scale – as per descale product instructions.
9. Flush tank thoroughly to flush out limescale and descale solution though the drain hose before re-use at least 4 times.
10. If limescale build up is severe, the Tank Lid Sub-assembly may need to be removed and large deposits of scale removed by hand.

## 8.14 Changing the Filter:

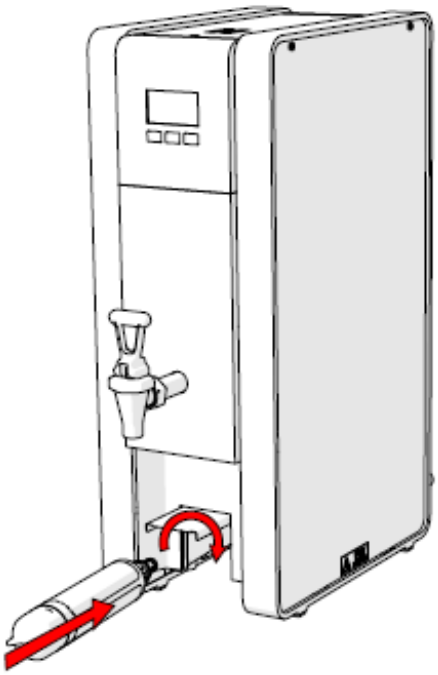
1.



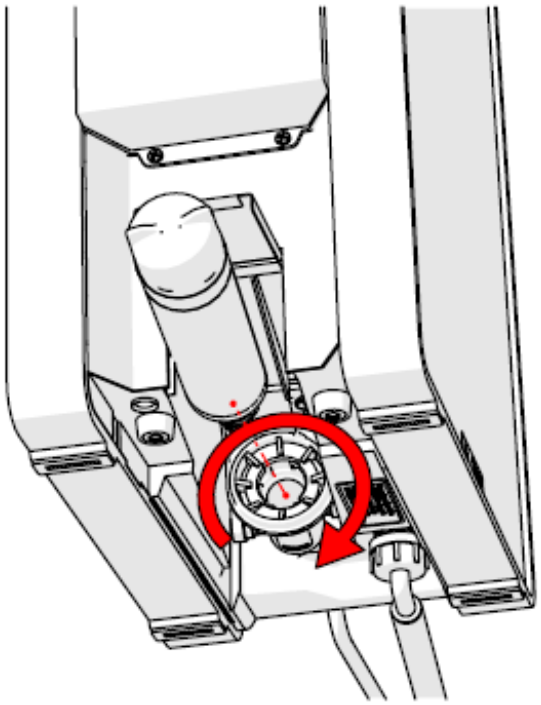
2.



3.



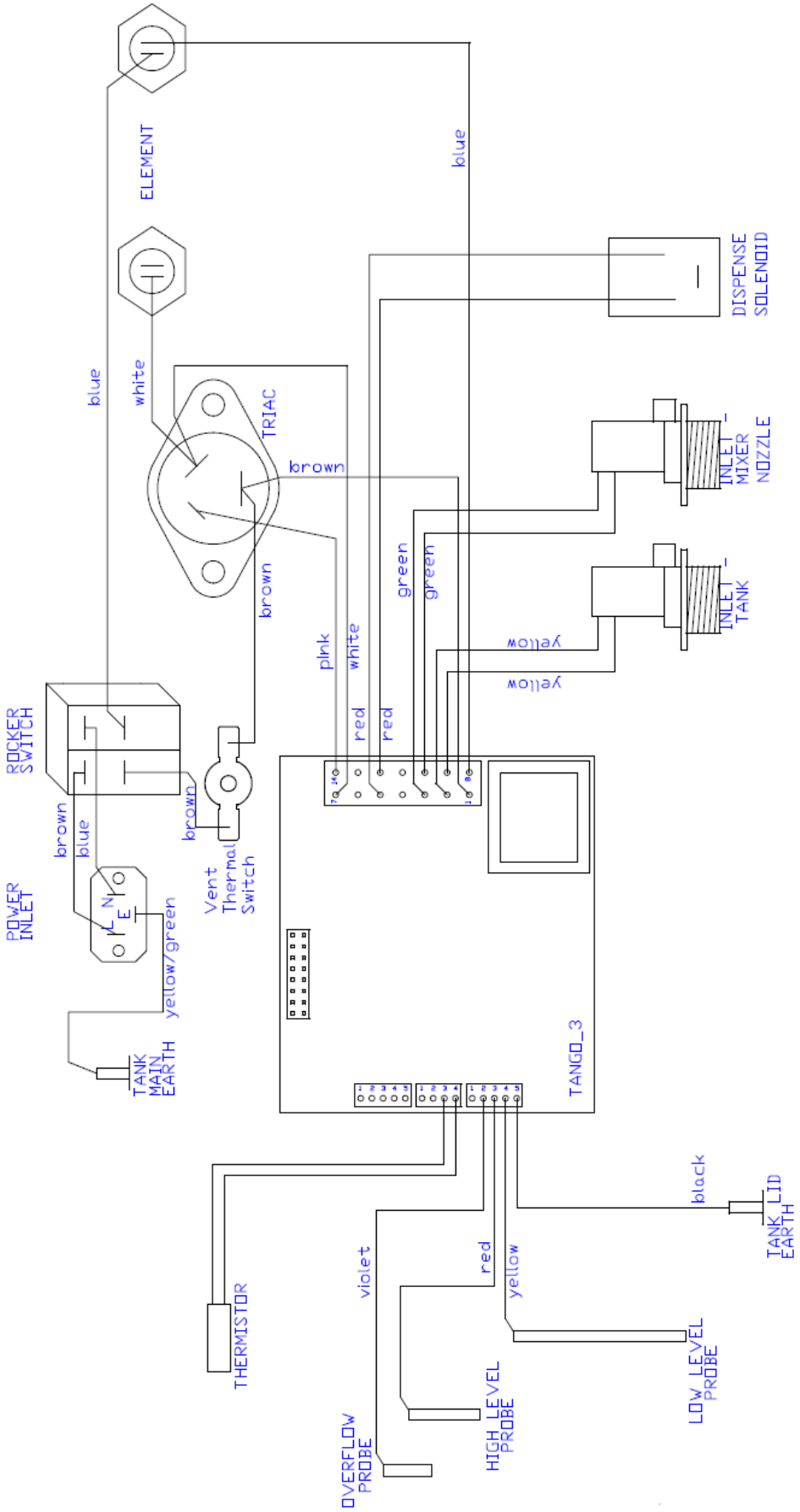
4.



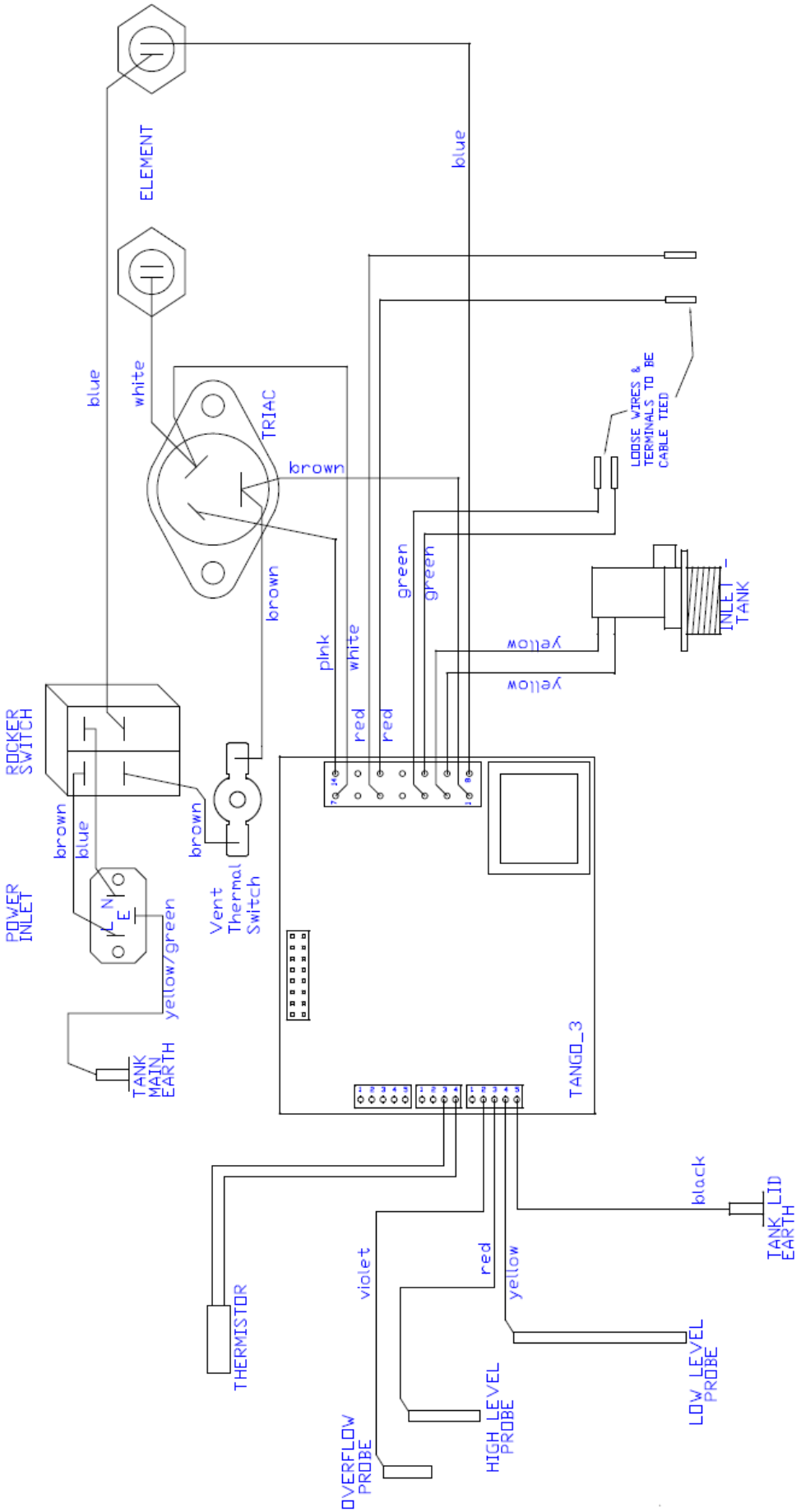
## TROUBLESHOOTING – DIAGNOSTIC GUIDE:

| Reported issue | Component | Check |
|---|---|---|
| Not heating | Heating element<br>PCB<br>Triac | • Check resistance of heating element while machine is powered off. Good element will measure 18 to 22 Ohms, If ok, check<br>• Check power from board to Triac. 230V supply. If no voltage within range/ replace PCB. If ok next<br>• Replace Triac |
| Level probes Error. | Level probes | • Remove earth from Main PCB. If inlet solenoid opens and you hear water entering the tank,<br>• Check for limescale. Power down unit and remove the tank lid to check for scale. If scale present,<br>• Remove probes and clean with Scotch brite/ descale tank. |
| Not heating/ No water | PCB<br>Inlet solenoid | • Check incoming water supply. If OK, go to below<br>• Check voltage from PCB. If 230 v supply, PCB ok, replace solenoid<br>• Good solenoid will measure between range 4-5k Ω with no power to unit |
| Not dispensing water | Dispense Solenoid<br>PB version | • Check power supply from PCB/ 230V OK<br>• If 230V supply from PCB replace dispense solenoid |
| Not dispensing water | Pump UC version<br>PCB<br>Power supply | • Check power from PCB. If 230 v, PCB ok, move to<br>• Regulated power supply. Check output to pump. 24v DC. If outside the 24v, replace Power supply, if ok<br>• Replace the pump. |
| Filter error | Filter | •Remove filter and check operation<br>• Note, machine will operate without filter<br>• If ok/ Replace filter |

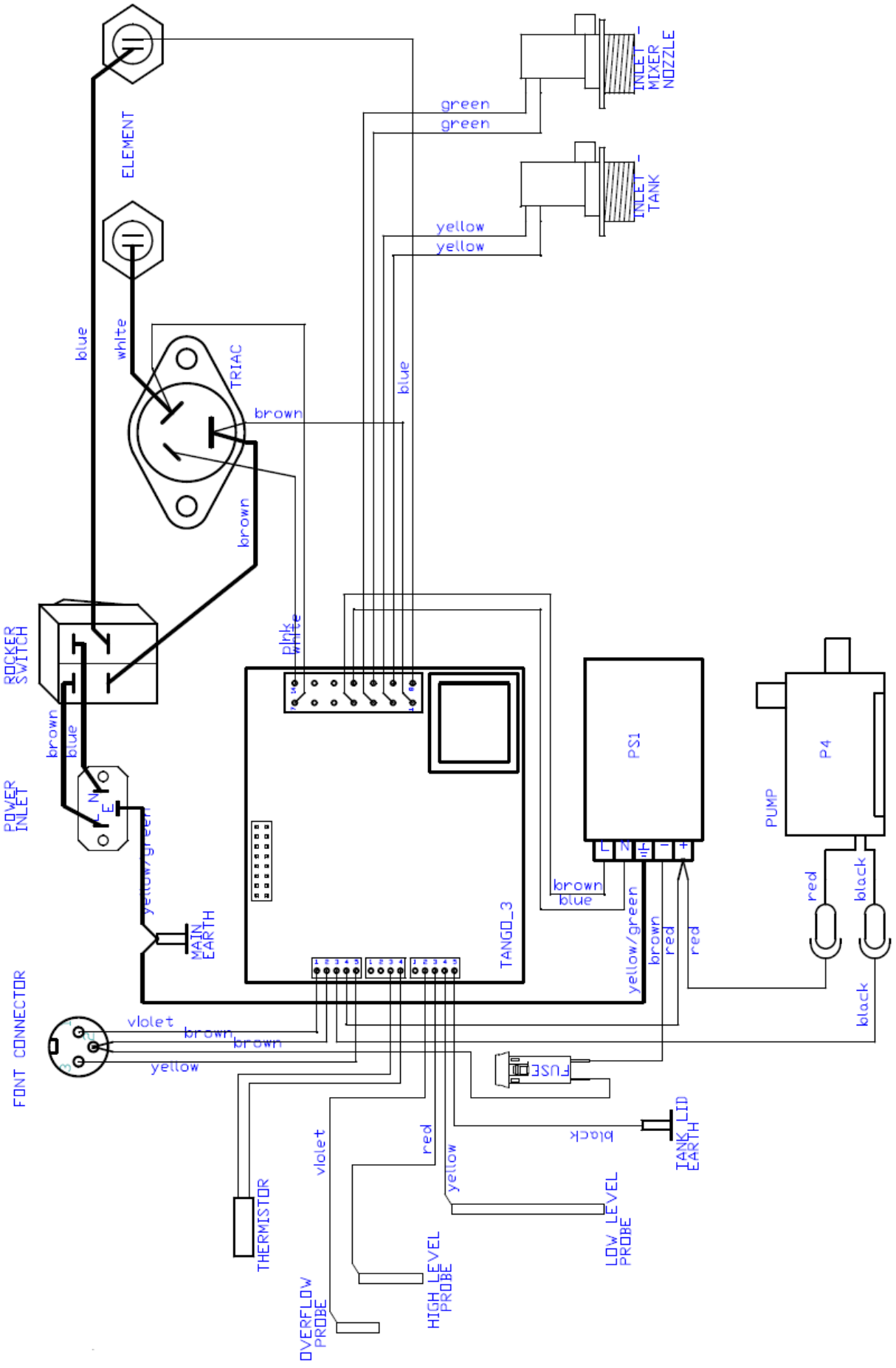
## 10.1 Wiring Diagram - PB Versions



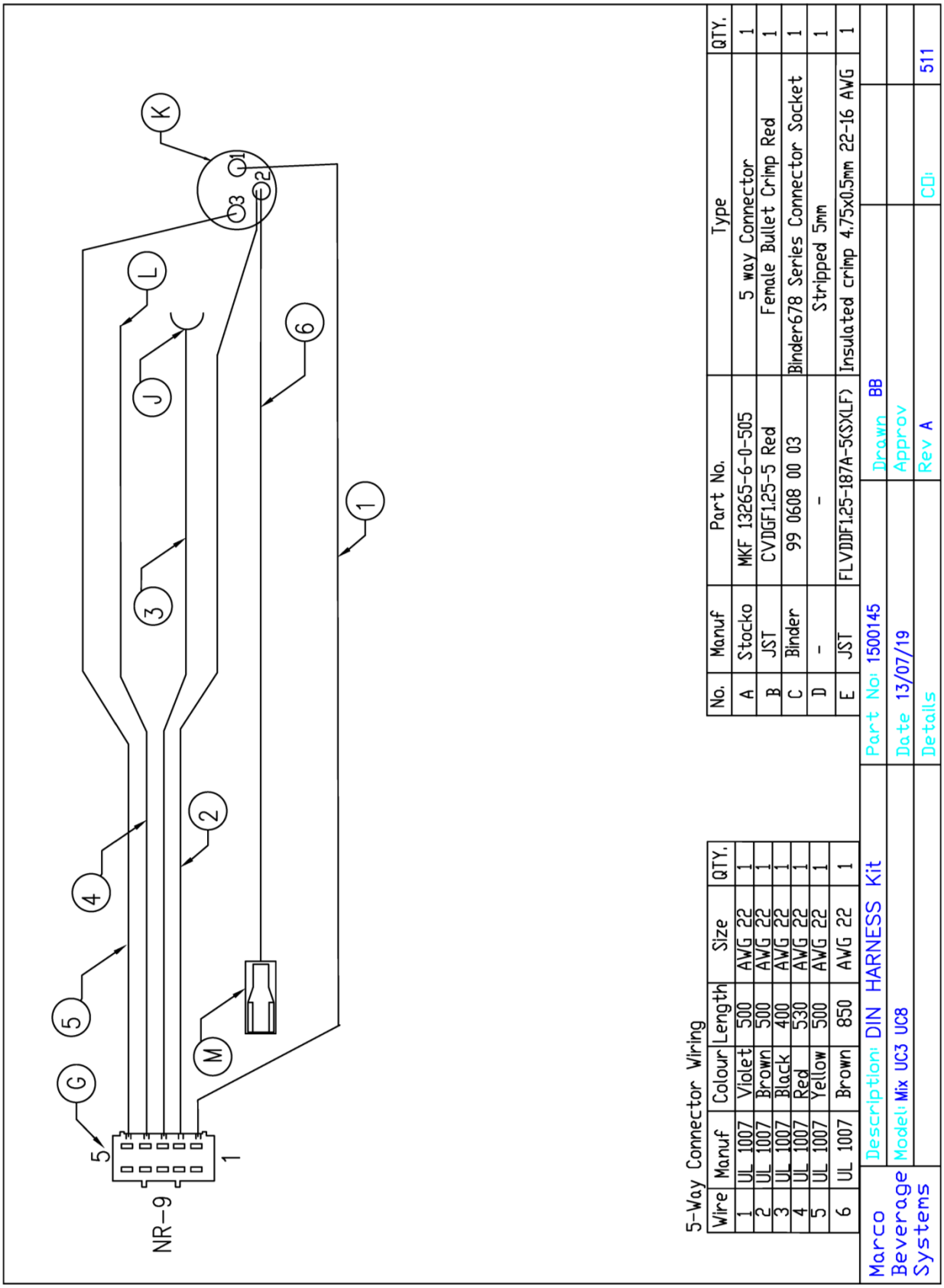
## 10.2 Wiring Diagram - Tap Versions



## 10.3 Wiring Diagram - UC Versions



## 10.4 Mix UC3 UC8 DIN Wiring Harness (1500145)




5-Way Connector Wiring

| Wire | Manuf | Colour | Length | Size | QTY. |
|---|---|---|---|---|---|
| 1 | UL 1007 | Violet | 500 | AWG 22 | 1 |
| 2 | UL 1007 | Brown | 500 | AWG 22 | 1 |
| 3 | UL 1007 | Black | 400 | AWG 22 | 1 |
| 4 | UL 1007 | Red | 530 | AWG 22 | 1 |
| 5 | UL 1007 | Yellow | 500 | AWG 22 | 1 |
| 6 | UL 1007 | Brown | 850 | AWG 22 | 1 |

| No. | Manuf | Part No. | Type | QTY. |
|---|---|---|---|---|
| A | Stocko | MKF 13265-6-0-505 | 5 way Connector | 1 |
| B | JST | CVDGF1.25-5 Red | Female Bullet Crimp Red | 1 |
| C | Binder | 99 0608 00 03 | Binder678 Series Connector Socket | 1 |
| D | - | - | Stripped 5mm | 1 |
| E | JST | FLVDDF1.25-187A-5(S)(LF) | Insulated crimp 4.75x0.5mm 22-16 AWG | 1 |

Marco Beverage Systems

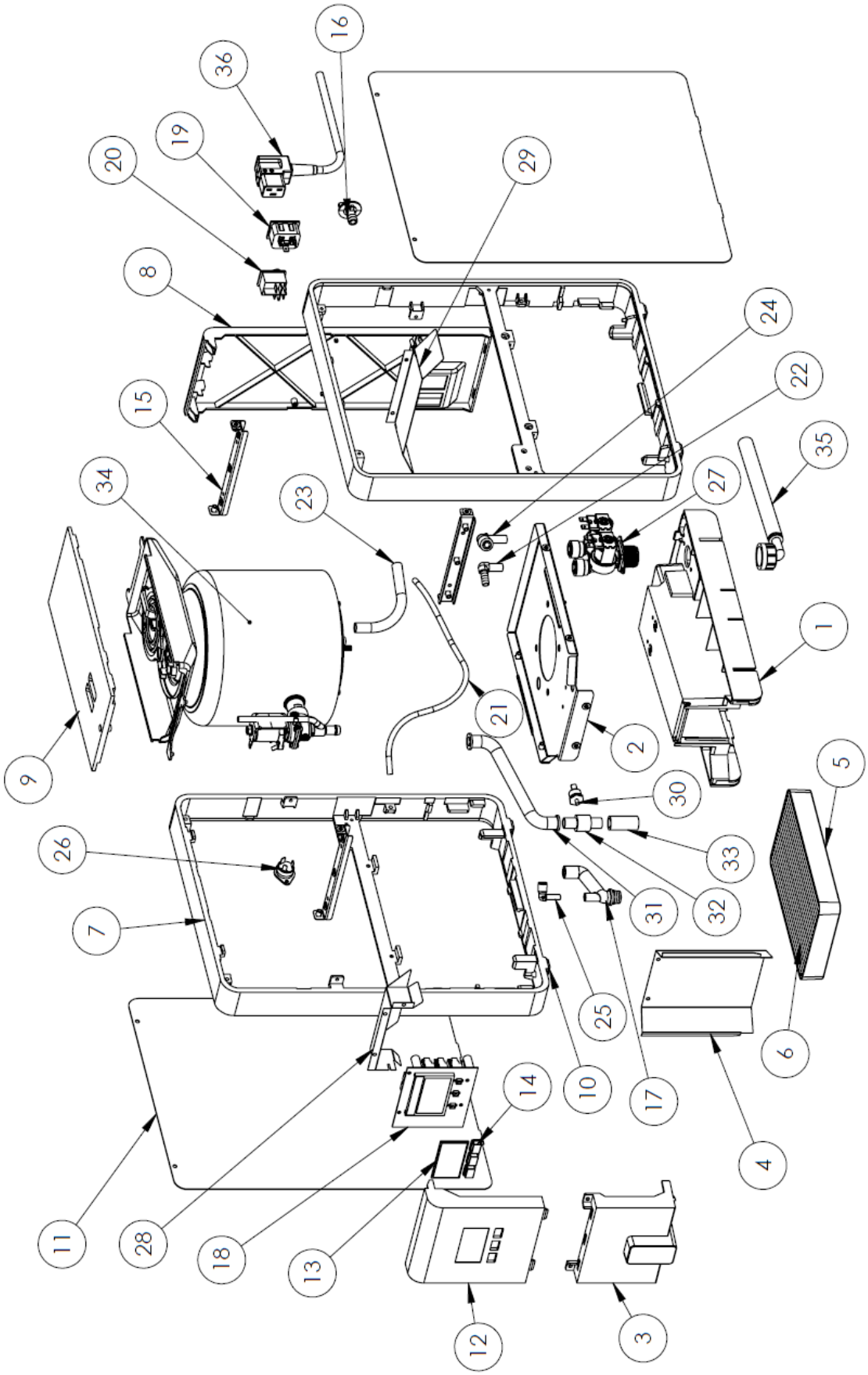
Description: DIN HARNESS Kit
Model: Mix UC3 UC8

Part No: 1500145
Date 13/07/19
Details

Drawn BB
Approv
Rev A

CD: 511

### 11.1 Mix PB3 parts



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860324 | Mix Base - no Filter | 1 |
| 2 | 1860316 | Mix Tank Support Assy | 1 |
| 3 | 1860308 | Mix Fascia Middle PB3 | 1 |
| 4 | 1860315 | Mix Cup Well - No Filter | 1 |
| 5 | 1860301 | Mix Drip Tray | 1 |
| 6 | 1860303 | Mix Drip Tray Insert | 1 |
| 7 | 1860314 | Mix Side 3L | 2 |
| 8 | 1860309 | Mix Rear Panel PB3 | 1 |
| 9 | 1860302 | Mix Top Lid | 1 |
| 10 | 1860307 | Mix Rubber Foot | 4 |
| 11 | 1860318 | Mix Side Panel PB3 | 2 |
| 12 | 1860304 | Mix Fascia Upper | 1 |
| 13 | 1860306 | Mix Clear Screen | 1 |
| 14 | 1860305 | Mix Button | 3 |
| 15 | 1860317 | Mix Brace Assy | 3 |
| 16 | 1860337 | Mix Drain Plug | 1 |
| 17 | 1860311 | Hose Silicone Dispense Mix | 1 |
| 18 | 1600387 | PCB Control Mix | 1 |
| | 1600391 | PCB control MIX 120V | 1 |
| 19 | 1501156 | Socket IEC C20 | 1 |
| 20 | 1501216 | Dual Pole Rocker Switch | 1 |
| 21 | 1800637 | Hose LDPE - 1/4" | 430mm |
| 22 | 1400772 | Elbow Barbed Connector - ATEB 0605 | 1 |
| 23 | 1800630 | Silicone Hose 8mmID x 12mm OD | 200mm |
| 24 | 1400817 | Elbow Push Fit 3/8" - 1/4" - ATEU 0406 | 1 |
| 25 | 1400816 | Elbow Push Fit 1/4" - 1/4" - ATEU 0404 | 1 |
| 26 | 1600455 | Triac ST-BTA25 | 1 |
| 27 | 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | 1 |
| | 1502197 | 120V dual inlet solenoid 3/8" push fit | 1 |
| 28 | 1860342 | Mix Deflector Shield - Front | 1 |
| 29 | 1860343 | Mix Deflector Shield - Rear | 1 |
| 30 | 1502071 | Thermal Switch 90deg, M4 Stud Mount - Mix | 1 |
| 31 | 1800696 | Hose Vent Mix | 1 |
| 32 | 1502072 | Thermal Switch Mount Brass | 1 |
| 33 | 1800620 | Silicone Hose 12mm ID x 17mm OD | 35mm |
| 34 | - | Mix Vacc Tank 3L Assembly | 1 |
| 35 | 1800690 | Hose Water Inlet 3/4" WRC | 1 |
| | 1800692 | Hose Water Inlet 3/8 NPT | 1 |
| | | | |

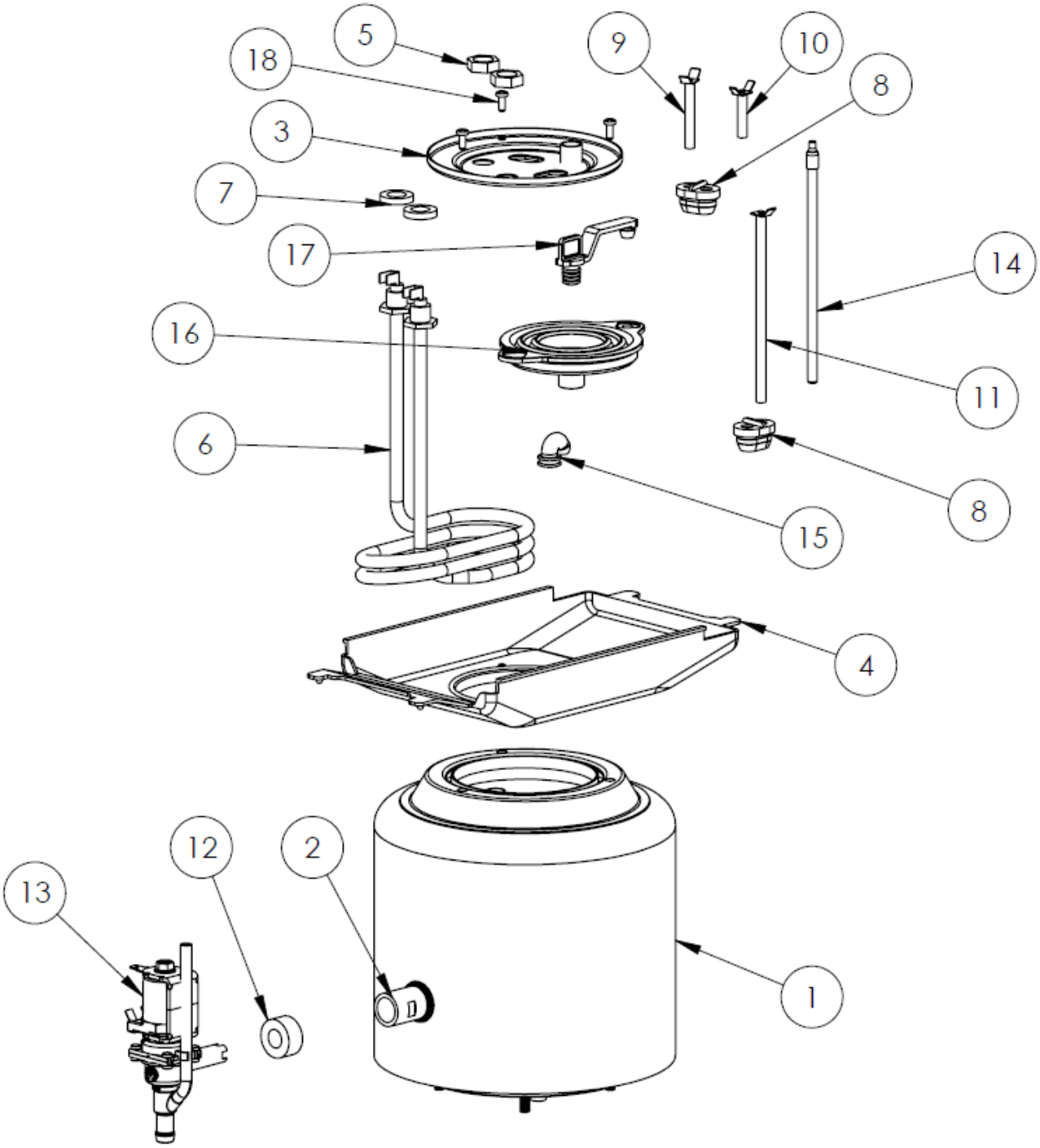
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 36 | 1501489 | Cord set IEC C19 BS1363 UK | 1 |
| | 1501488 | Cord set IEC C19 CEE7 EU | 1 |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | 1 |
| | 1501506 | Power cord IEC C19 to NEMA5-15 120V | 1 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix PB3 Exploded Diagram | | DRAWN BY | JJ | | 30/05/17 | |
| DWG NO.: | TANG-001S | | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | | REVISION | b | CO: | 362 | SCALE:1:6 |

## 11.1 Mix PB3 parts (cont.)



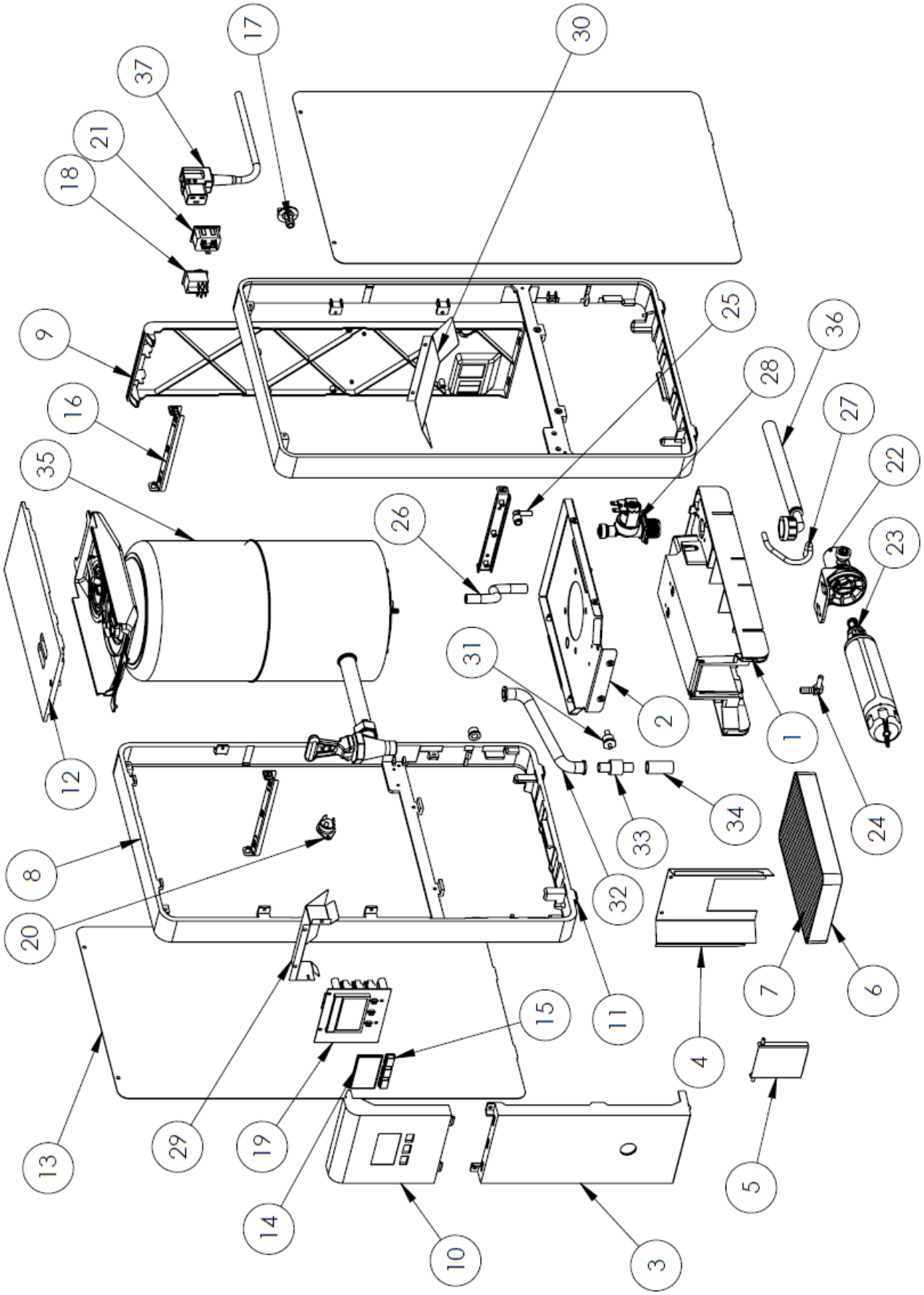
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 2300731 | Vacuum Tank 3L | 1 |
| 2 | 1401902 | Spigot Stub Threaded 26mm | 1 |
| 3 | 1860319 | Mix Vacuum Tank Lid | 1 |
| 4 | 1860310 | Mix Tank Gasket | 1 |
| 5 | 1401000 | LOCKNUT 1/4" BSP BRASS | 2 |
| 6 | 1500991 | Mix Element 3L | 1 |
| | 1500993 | Mix Element 3L 120V | 1 |
| 7 | 1801375 | Silicone Washer 21x12x4mm | 2 |
| 8 | 1860326 | Mix Level Probe Grommet | 2 |
| 9 | 2300455 | Probe High Level - Mix | 1 |
| 10 | 2300458 | Probe Overflow - Mix | 1 |
| 11 | 2300456 | Probe Low Level 3L Tank - Mix | 1 |
| 12 | 1502147 | Valve Dispense Solenoid Plug M00849 | 1 |
| 13 | 1502148 | Valve Dispense Solenoid Muller | 1 |
| | 1502167 | 120V Valve Dispense Solenoid | 1 |
| 14 | 1600693 | Thermistor Assembly Mix 3L | 1 |
| 15 | 1800672 | Jet Basket Syphon | 1 |
| 16 | 1860338 | Mix Descale Funnel | 1 |
| 17 | 1860339 | Mix Descale Funnel Bung | 1 |
| 18 | 1401760 | Screw M4 X 10mm Pozi Pan S/S | 3 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix PB3 Exploded Diagram | DRAWN BY | BB | | 09/07/19 | |
| DWG NO.: | TANG-001S | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | REVISION | C | CO: | 477 | SCALE:1:6 |

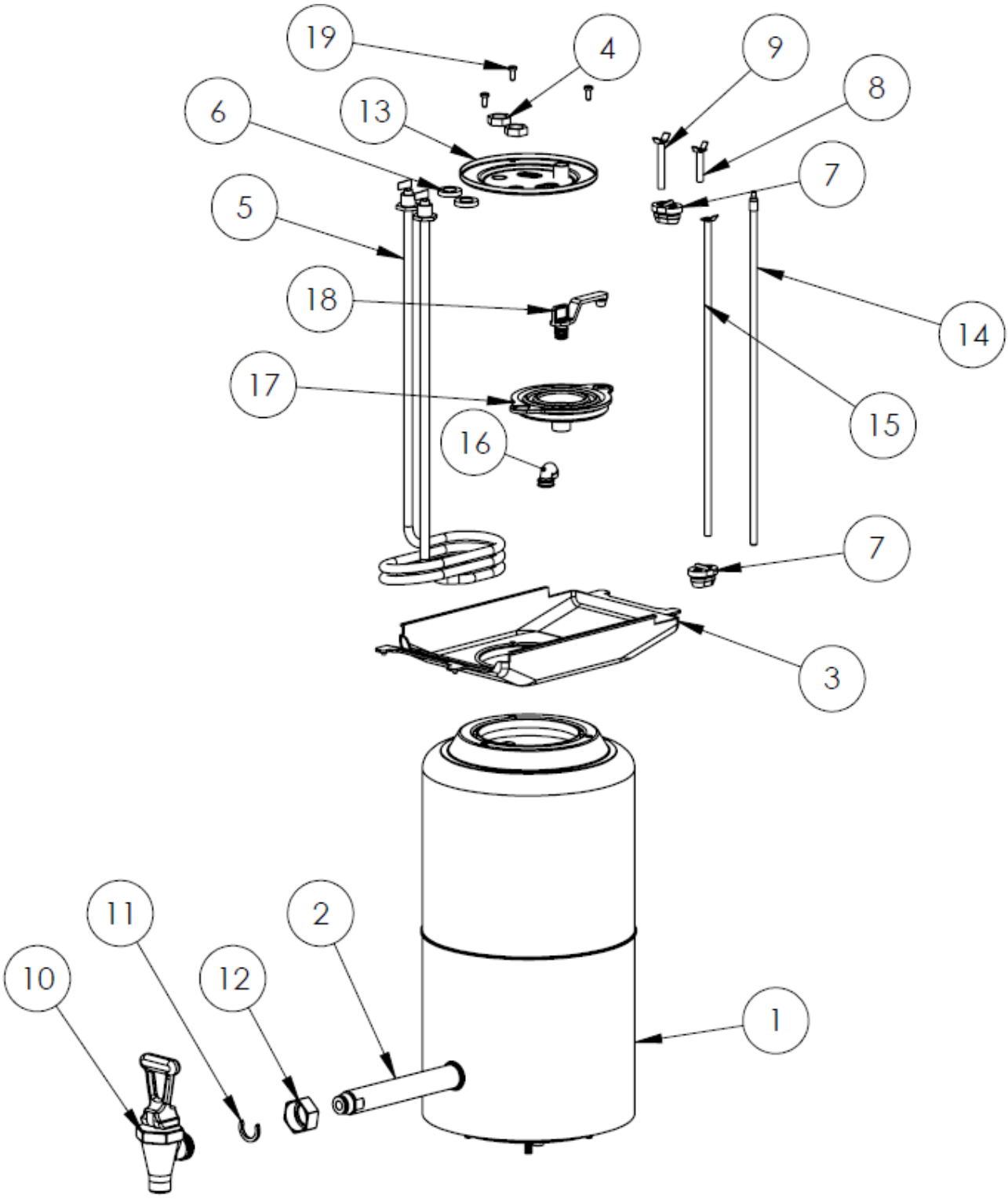
## 11.2 Mix T8 parts



## 11.2 Mix T8 parts (cont.)

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860300 | Mix Base | 1 |
| 2 | 1860316 | Mix Tank Support Assy | 1 |
| 3 | 1860312 | Mix Fascia Middle T8 | 1 |
| 4 | 1860322 | Mix Cup Well | 1 |
| 5 | 1860323 | Mix Filter Access Door Assy | 1 |
| 6 | 1860301 | Mix Drip Tray | 1 |
| 7 | 1860303 | Mix Drip Tray Insert | 1 |
| 8 | 1860321 | Mix Side 8L | 2 |
| 9 | 1860313 | Mix Rear T8 | 1 |
| 10 | 1860304 | Mix Fascia Upper | 1 |
| 11 | 1860307 | Mix Rubber Foot | 4 |
| 12 | 1860302 | Mix Top Lid | 1 |
| 13 | 1860320 | Mix Side Panel T8 | 2 |
| 14 | 1860306 | Mix Clear Screen | 1 |
| 15 | 1860305 | Mix Button | 3 |
| 16 | 1860317 | Mix Brace Assy | 3 |
| 17 | 1860337 | Mix Drain Plug | 1 |
| 18 | 1501216 | Dual Pole Rocker Switch | 1 |
| 19 | 1600387 | PCB Control Mix | 1 |
| 20 | 1600455 | Triac ST-BTA25 | 1 |
| 21 | 1501156 | Socket IEC C20 | 1 |
| 22 | 8000422 | Filter Head 3M AP2 | 1 |
| 23 | 8000421 | Filter Cartridge 3M AP2-C402-SG | 1 |
| 24 | 1400771 | Elbow Barbed Connector - ATEB 0405 | 1 |
| 25 | 1400816 | Elbow Push Fit 1/4" - 1/4" - ATEU 0404 | 1 |
| 26 | 1800630 | Silicone Hose - 8mm ID x 12mm OD | 200mm |
| 27 | 1800637 | Hose LDPE - 1/4" | 160mm |
| 28 | 1502196 | Valve Inlet Solenoid - 1/4" push fit | 1 |
| 29 | 1860342 | Mix Deflector Shield - Front | 1 |
| 30 | 1860343 | Mix Deflector Shield - Rear | 1 |
| 31 | 1502071 | Thermal Switch 90deg, M4 Stud Mount - Mix | 1 |
| 32 | 1800696 | Hose Vent Mix | 1 |
| 33 | 1502072 | Thermal Switch Mount Brass | 1 |
| 34 | 1800620 | Silicone Hose - 12mm ID x 17mm OD | 35mm |
| 35 | - | Mix Vacc Tank 8L Assembly | 1 |
| 36 | 1800690 | Hose Water Inlet 3/4" WRC | 1 |
| | 1800692 | Hose Water Inlet 3/8 NPT | 1 |
| 37 | 1501489 | Cord set IEC C19 BS1363 UK | 1 |
| | 1501488 | Cord set IEC C19 CEE7 EU | 1 |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | 1 |

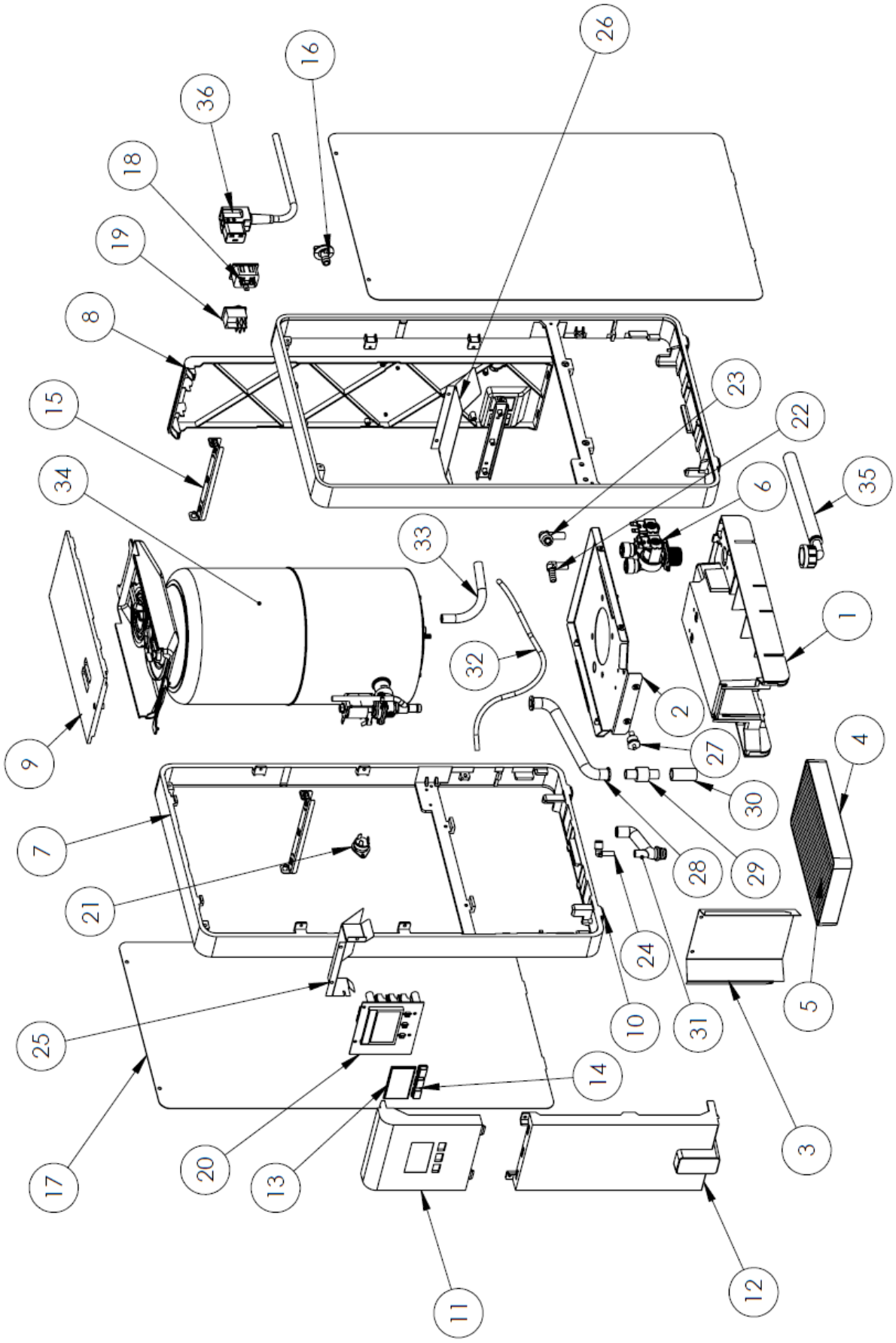
## 11.2 Mix T8 parts (cont.)



## 11.2 Mix T8 parts (cont.)

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 2300732 | Vacuum Tank 8L | 1 |
| 2 | 1401903 | Spigot Threaded 140mm | 1 |
| 3 | 1860310 | Mix Tank Gasket | 1 |
| 4 | 1401000 | LOCKNUT 1/4" BSP BRASS | 2 |
| 5 | 1500992 | Mix Element 8L | 1 |
| 6 | 1801375 | Silicone Washer 21x12x4mm | 2 |
| 7 | 1860326 | Mix Level Probe Grommet | 2 |
| 8 | 2300458 | Probe Overflow - Mix | 1 |
| 9 | 2300455 | Probe High Level - Mix | 1 |
| 10 | 2100290 | TAP TOM BLACK COFFEE | 1 |
| 11 | 1400550 | CIRCLIP FOR SPIGOT | 1 |
| 12 | 1401170 | NUT CP 3/4" BSP CHROMED | 1 |
| 13 | 1860319 | Mix Vacuum Tank Lid | 1 |
| 14 | 1600694 | Thermistor Assembly Mix 8L | 1 |
| 15 | 2300457 | Probe Low Level 8L Tank - Mix | 1 |
| 16 | 1800672 | Jet Basket Syphon | 1 |
| 17 | 1860338 | Mix Descale Funnel | 1 |
| 18 | 1860339 | Mix Descale Funnel Bung | 1 |
| 19 | 1401760 | Screw M4 X 10mm Pozi Pan S/S | 3 |

## 11.3 Mix PB8 parts



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860324 | Mix Base - no Filter | 1 |
| 2 | 1860316 | Mix Tank Support Assy | 1 |
| 3 | 1860315 | Mix Cup Well - No Filter | 1 |
| 4 | 1860301 | Mix Drip Tray | 1 |
| 5 | 1860303 | Mix Drip Tray Insert | 1 |
| 6 | 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | 1 |
| | 1502197 | 120 dual inlet solenoid 3/8" push fit | 1 |
| 7 | 1860321 | Mix Side 8L | 2 |
| 8 | 1860313 | Mix Rear T8 | 1 |
| 9 | 1860302 | Mix Top Lid | 1 |
| 10 | 1860307 | Mix Rubber Foot | 4 |
| 11 | 1860304 | Mix Fascia Upper | 1 |
| 12 | 1860330 | Mix Fascia Middle PB8 | 1 |
| 13 | 1860306 | Mix Clear Screen | 1 |
| 14 | 1860305 | Mix Button | 3 |
| 15 | 1860317 | Mix Brace Assy | 3 |
| 16 | 1860337 | Mix Drain Plug | 1 |
| 17 | 1860320 | Mix Side Panel T8 | 2 |
| 18 | 1501156 | Socket IEC C20 | 1 |
| 19 | 1501216 | Dual Pole Rocker Switch | 1 |
| 20 | 1600387 | PCB Control Mix | 1 |
| | 1600391 | PCB control MIX 120V | 1 |
| 21 | 1600455 | Triac ST-BTA25 | 1 |
| 22 | 1400772 | Elbow Barbed Connector - ATEB 0605 | 1 |
| 23 | 1400817 | Elbow Push Fit 3/8" - 1/4" - ATEU 0406 | 1 |
| 24 | 1400816 | Elbow Push Fit 1/4" - 1/4" - ATEU 0404 | 1 |
| 25 | 1860342 | Mix Deflector Shield - Front | 1 |
| 26 | 1860343 | Mix Deflector Shield - Rear | 1 |
| 27 | 1502071 | Thermal Switch 90deg, M4 Stud Mount - Mix | 1 |
| 28 | 1800696 | Hose Vent Mix | 1 |
| 29 | 1502072 | Thermal Switch Mount Brass | 1 |
| 30 | 1800620 | Silicone Hose - 12mm ID x 17mm OD | 35mm |
| 31 | 1860311 | Hose Silicone Dispense Mix | 1 |
| 32 | 1800637 | Hose LDPE - 1/4" | 430mm |
| 33 | 1800630 | Silicone Hose - 8mmID x 12mm OD | 200mm |
| 34 | - | Mix Vacc Tank 8L Assembly | 1 |
| 35 | 1800690 | Hose Water Inlet 3/4" WRC | 1 |
| | 1800692 | Hose Water Inlet 3/8 NPT | 1 |
| | | | |

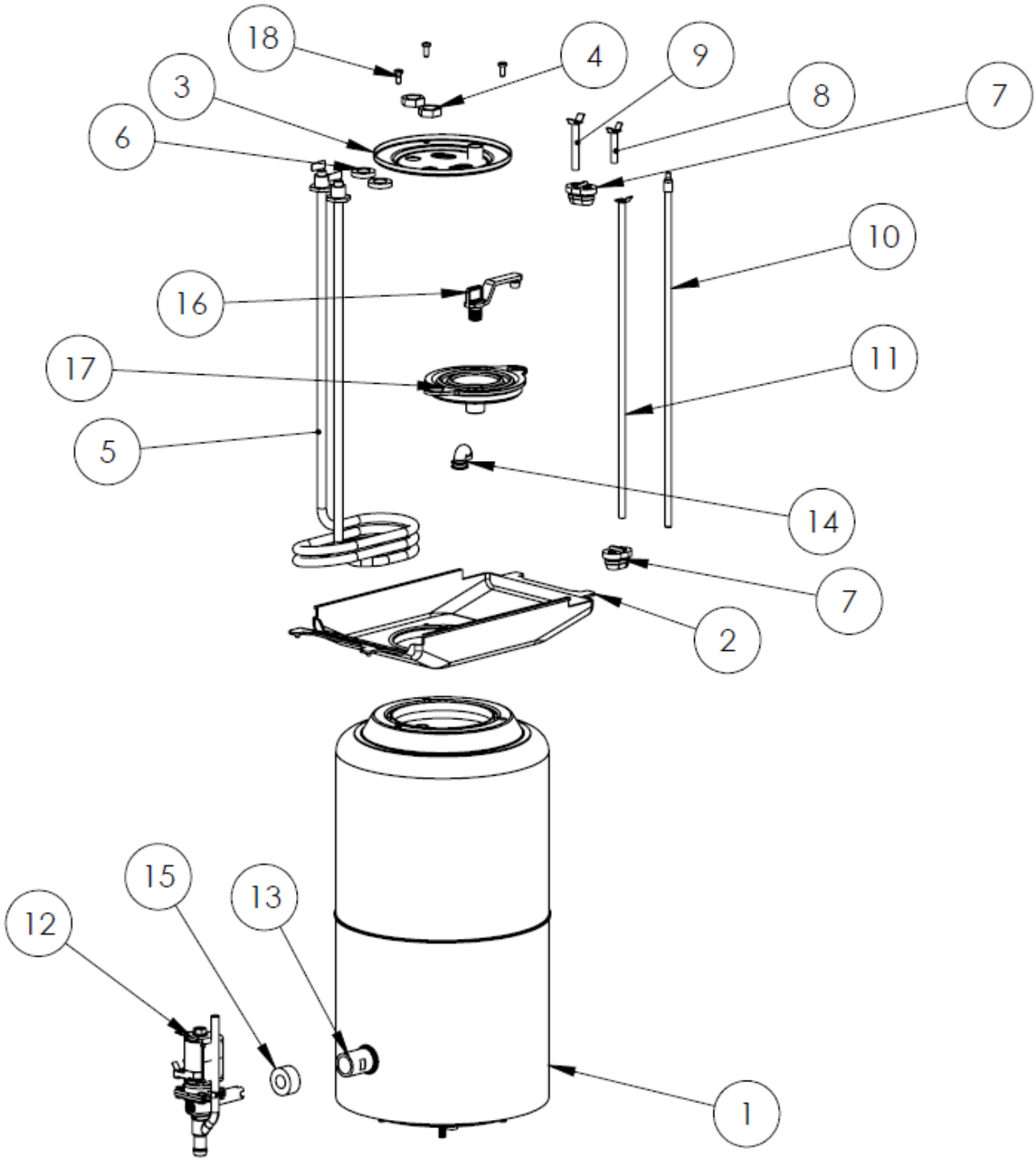
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 36 | 1501489 | Cord set IEC C19 BS1363 UK | 1 |
| | 1501488 | Cord set IEC C19 CEE7 EU | 1 |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | 1 |
| | 1501506 | Power cord IEC C19 to NEMA 5-15, 15A/125V Rating 120V | 1 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix PB8 Exploded Diagram | | | DRAWN BY | JJ | | 30/05/17 | |
| DWG NO.: | TANG-004S | | | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | | | REVISION | b | CO: | 362 | SCALE:1:6 |

## 11.3 Mix PB8 parts (cont.)



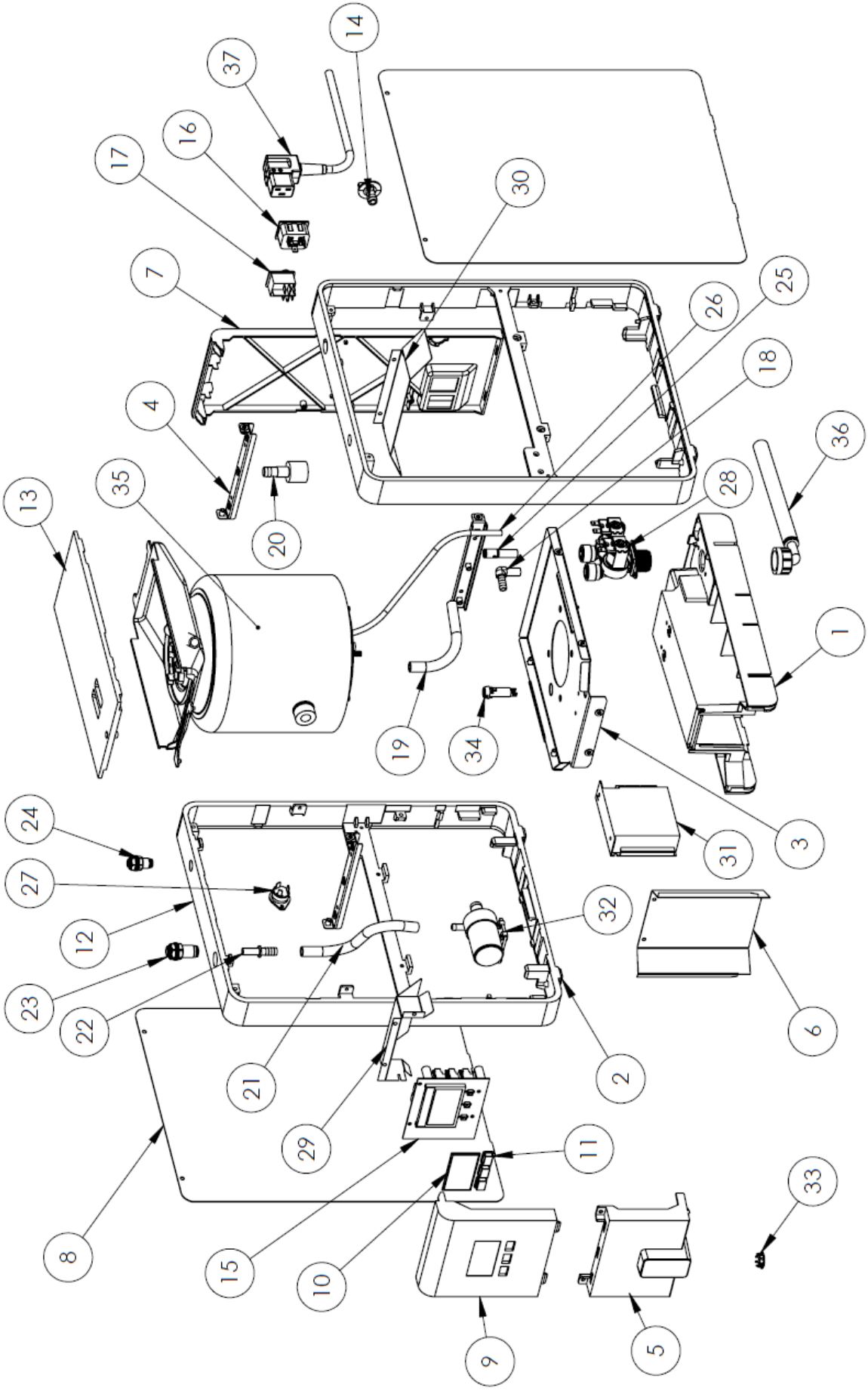
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 2300732 | Vacuum Tank 8L | 1 |
| 2 | 1860310 | Mix Tank Gasket | 1 |
| 3 | 1860319 | Mix Vacuum Tank Lid | 1 |
| 4 | 1401000 | LOCKNUT 1/4" BSP BRASS | 2 |
| 5 | 1500992 | Mix Element 8L | 1 |
| | 1500994 | 8L, 120v 1.5kW element | 1 |
| 6 | 1801375 | Silicone Washer 21x12x4mm | 2 |
| 7 | 1860326 | Mix Level Probe Grommet | 2 |
| 8 | 2300458 | Probe Overflow - Mix | 1 |
| 9 | 2300455 | Probe High Level - Mix | 1 |
| 10 | 1600694 | Thermistor Assembly Mix 8L | 1 |
| 11 | 2300457 | Probe Low Level 8L Tank - Mix | 1 |
| 12 | 1502148 | Valve Dispense Solenoid Muller | 1 |
| | 1502167 | 120v dispense solenoid | 1 |
| 13 | 1401902 | Spigot Stub Threaded 26mm | 1 |
| 14 | 1800672 | Jet Basket Syphon | 1 |
| 15 | 1502147 | Valve Dispense Solenoid Plug M00849 | 1 |
| 16 | 1860339 | Mix Descale Funnel Bung | 1 |
| 17 | 1860338 | Mix Descale Funnel | 1 |
| 18 | 1401760 | Screw M4 X 10mm Pozi Pan S/S | 3 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION: | Mix PB8 Exploded Diagram | DRAWN BY | JJ | | 30/05/17 |
| DWG NO.: | TANG-004S | APPROVED BY | DW | | 30/05/17 |
| MATERIAL: | | REVISION | b | CO: 362 | SCALE:1:6 |

## 11.4 Mix UC3 parts



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860324 | Mix Base - no Filter | 1 |
| 2 | 1860307 | Mix Rubber Foot | 4 |
| 3 | 1860316 | Mix Tank Support Assy | 1 |
| 4 | 1860317 | Mix Brace Assy | 3 |
| 5 | 1860341 | Mix Fascia Middle UC3 | 1 |
| 6 | 1860315 | Mix Cup Well - No Filter | 1 |
| 7 | 1860309 | Mix Rear Panel PB3 | 1 |
| 8 | 1860318 | Mix Side Panel PB3 | 2 |
| 9 | 1860304 | Mix Fascia Upper | 1 |
| 10 | 1860306 | Mix Clear Screen | 1 |
| 11 | 1860305 | Mix Button | 3 |
| 12 | 1860340 | Mix Side UC3 | 2 |
| 13 | 1860302 | Mix Top Lid | 1 |
| 14 | 1860337 | Mix Drain Plug | 1 |
| 15 | 1600387 | PCB Control Mix | 1 |
| | 1600391 | PCB Control Mix 120V | 1 |
| 16 | 1501156 | Socket IEC C20 | 1 |
| 17 | 1501216 | Dual Pole Rocker Switch | 1 |
| 18 | 1400772 | Elbow Barbed Connector - ATEB 0605 | 1 |
| 19 | 1800630 | Silicone Hose 8mm ID x 12mm OD | 200mm |
| 20 | 1402162 | Tailpiece Hose Elbow 1/4" BSP Fem x 12mm | 1 |
| 21 | 1402160 | Tailpiece Hose 1/4" Bsp X 12mm | 1 |
| 22 | 1800630 | Silicone Hose 8mm ID x 12mm OD | 200mm |
| 23 | 1400773 | Barbed Connector - ATBC 0605 | 1 |
| 24 | 1400437 | Bulkhead Connector 8mm (Legris) | 1 |
| 25 | 1400436 | Bulkhead Connector 1/4" (Legris) | 1 |
| 26 | 1401658 | Reducer Connector 3/8" - 1/4" - ARD 0406 | 1 |
| 27 | 1800637 | Hose LDPE - 1/4" | 350mm |
| 28 | 1600455 | Triac ST-BTA25 | 1 |
| 29 | 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | 1 |
| | 1502197 | 120 dual inlet solenoid 3/8" push fit | 1 |
| 30 | 1860342 | Mix Deflector Shield - Front | 1 |
| 31 | 1860343 | Mix Deflector Shield - Rear | 1 |
| 32 | 1601000 | Power Supply 24V Dc | 1 |
| 33 | 1501559 | Pump Topsflo 24V DC | 1 |
| 34 | 1401449 | Plug Blanking Metal - 7604 | 1 |
| 35 | 1501121 | Fuse Holder Snap Fit | 1 |
| 36 | - | Mix Vacc Tank 3L Assembly | 1 |
| 37 | 1800690 | Hose Water Inlet 3/4" WRC | 1 |
| | 1800692 | Hose Water Inlet 3/8 NPT | 1 |
| | | | |
| | | | |

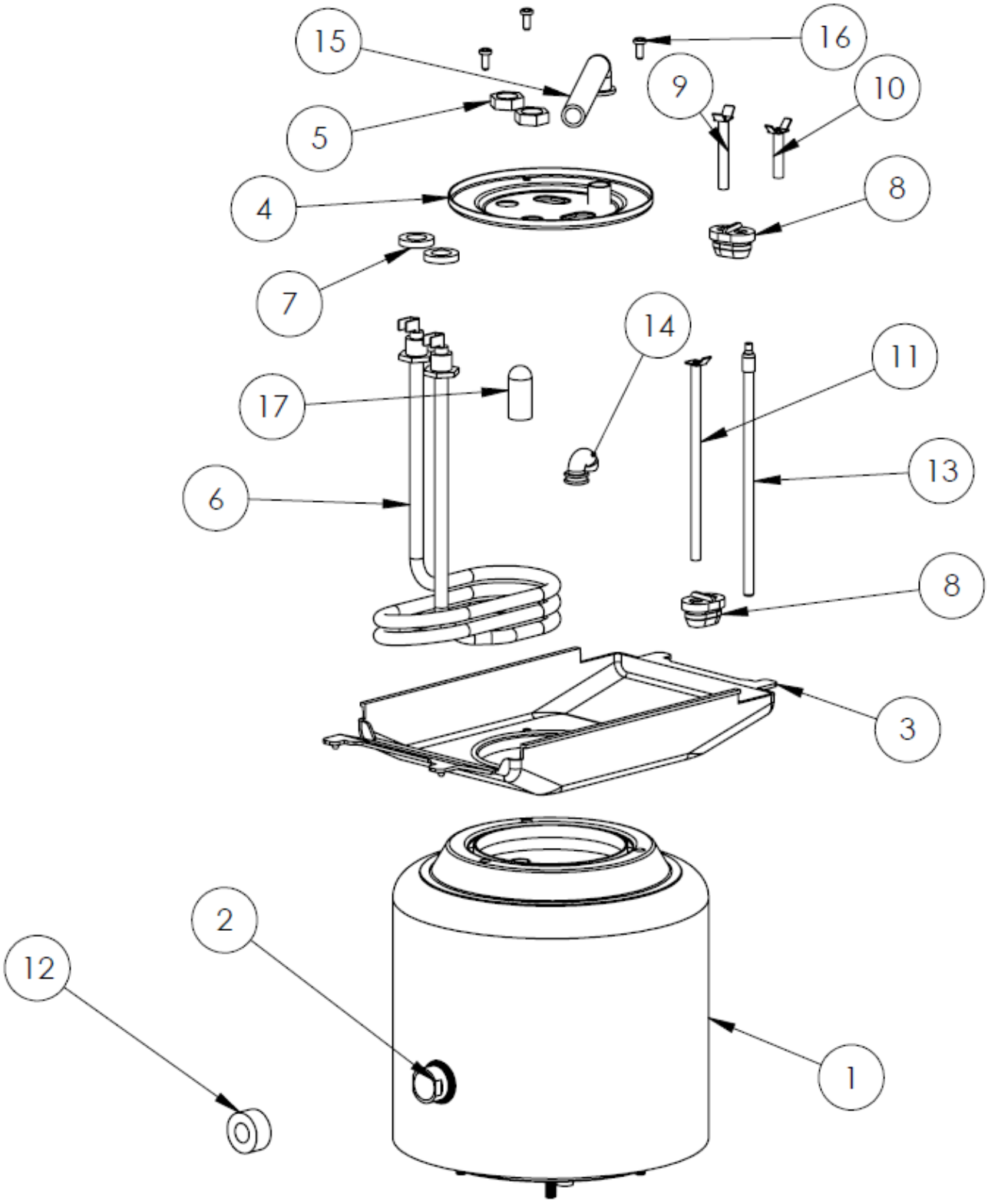
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 38 | 1501489 | Cord set IEC C19 BS1363 UK | 1 |
| | 1501488 | Cord set IEC C19 CEE7 EU | 1 |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | 1 |
| | 1501506 | Power cord IEC C19 to NEMA 5-15, 15A/125V Rating 120V | 1 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix UC3 Exploded Diagram | DRAWN BY | JJ | | 30/05/17 | |
| DWG NO.: | TANG-003S | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | REVISION | b | CO: | 362 | SCALE:1:6 |

## 11.4 Mix UC3 parts (cont.)



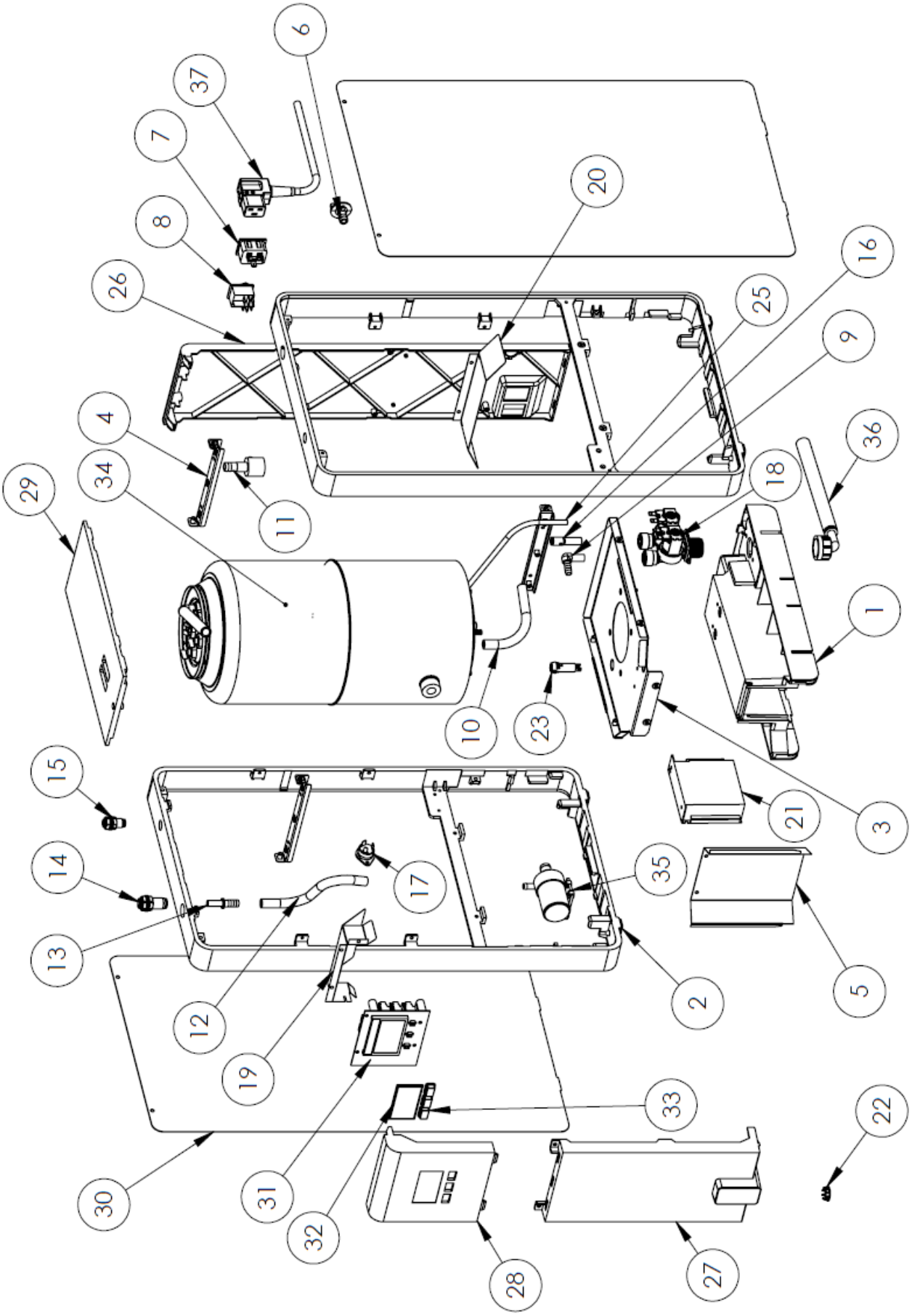
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 2300731 | Vacuum Tank 3L | 1 |
| 2 | 1401904 | Spigot Stub Threaded 20mm for pump | 1 |
| 3 | 1860310 | Mix Tank Gasket | 1 |
| 4 | 1860319 | Mix Vacuum Tank Lid | 1 |
| 5 | 1401000 | LOCKNUT 1/4" BSP BRASS | 2 |
| 6 | 1500991 | Mix Element 3L | 1 |
| | 1500993 | Mix Element 3L 120V | 1 |
| 7 | 1801375 | Silicone Washer 21x12x4mm | 2 |
| 8 | 1860326 | Mix Level Probe Grommet | 2 |
| 9 | 2300455 | Probe High Level - Mix | 1 |
| 10 | 2300458 | Probe Overflow - Mix | 1 |
| 11 | 2300456 | Probe Low Level 3L Tank - Mix | 1 |
| 12 | 1502147 | Valve Dispense Solenoid Plug M00849 | 1 |
| 13 | 1600693 | Thermistor Assembly Mix 3L | 1 |
| 14 | 1800672 | Jet Basket Syphon | 1 |
| 15 | 1800695 | Hose Vent Mix UC | 1 |
| 16 | 1401760 | Screw M4 X 10mm Pozi Pan S/S | 3 |
| 17 | 1800668 | Silicone Closure | 1 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix UC3 Exploded Diagram | DRAWN BY | JJ | | 30/05/17 | |
| DWG NO.: | TANG-003S | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | REVISION | b | CO: | 362 | SCALE:1:6 |

## 11.5 Mix UC8 parts (cont.)



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860324 | Mix Base - no Filter | 1 |
| 2 | 1860307 | Mix Rubber Foot | 4 |
| 3 | 1860316 | Mix Tank Support Assy | 1 |
| 4 | 1860317 | Mix Brace Assy | 3 |
| 5 | 1860341 | Mix Fascia Middle UC3 | 1 |
| 6 | 1860315 | Mix Cup Well - No Filter | 1 |
| 7 | 1860309 | Mix Rear Panel PB3 | 1 |
| 8 | 1860318 | Mix Side Panel PB3 | 2 |
| 9 | 1860304 | Mix Fascia Upper | 1 |
| 10 | 1860306 | Mix Clear Screen | 1 |
| 11 | 1860305 | Mix Button | 3 |
| 12 | 1860340 | Mix Side UC3 | 2 |
| 13 | 1860302 | Mix Top Lid | 1 |
| 14 | 1860337 | Mix Drain Plug | 1 |
| 15 | 1600387 | PCB Control Mix | 1 |
| | 1600391 | PCB Control Mix 120V | 1 |
| 16 | 1501156 | Socket IEC C20 | 1 |
| 17 | 1501216 | Dual Pole Rocker Switch | 1 |
| 18 | 1400772 | Elbow Barbed Connector - ATEB 0605 | 1 |
| 19 | 1800630 | Silicone Hose 8mm ID x 12mm OD | 200mm |
| 20 | 1402162 | Tailpiece Hose Elbow 1/4" BSP Fem x 12mm | 1 |
| 21 | 1402160 | Tailpiece Hose 1/4" Bsp X 12mm | 1 |
| 22 | 1800630 | Silicone Hose 8mm ID x 12mm OD | 200mm |
| 23 | 1400773 | Barbed Connector - ATBC 0605 | 1 |
| 24 | 1400437 | Bulkhead Connector 8mm (Legris) | 1 |
| 25 | 1400436 | Bulkhead Connector 1/4" (Legris) | 1 |
| 26 | 1401658 | Reducer Connector 3/8" - 1/4" - ARD 0406 | 1 |
| 27 | 1800637 | Hose LDPE - 1/4" | 350mm |
| 28 | 1600455 | Triac ST-BTA25 | 1 |
| 29 | 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | 1 |
| | 1502197 | 120 dual inlet solenoid 3/8" push fit | 1 |
| 30 | 1860342 | Mix Deflector Shield - Front | 1 |
| 31 | 1860343 | Mix Deflector Shield - Rear | 1 |
| 32 | 1601000 | Power Supply 24V Dc | 1 |
| 33 | 1501559 | Pump Topsflo 24V DC | 1 |
| 34 | 1401449 | Plug Blanking Metal - 7604 | 1 |
| 35 | 1501121 | Fuse Holder Snap Fit | 1 |
| 36 | - | Mix Vacc Tank 3L Assembly | 1 |
| 37 | 1800690 | Hose Water Inlet 3/4" WRC | 1 |
| | 1800692 | Hose Water Inlet 3/8 NPT | 1 |
| | | | |
| | | | |

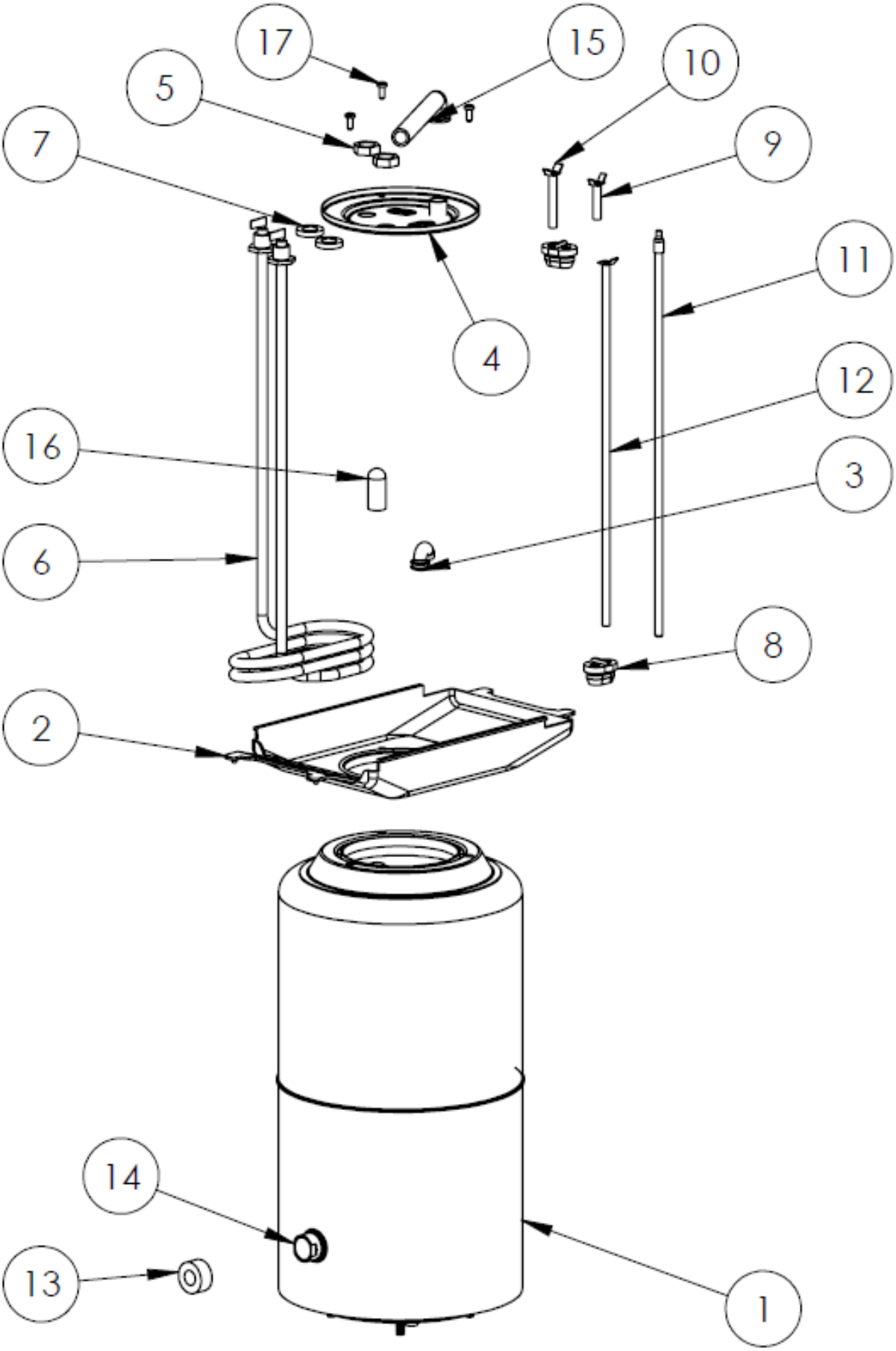
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 38 | 1501489 | Cord set IEC C19 BS1363 UK | 1 |
| | 1501488 | Cord set IEC C19 CEE7 EU | 1 |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | 1 |
| | 1501506 | Power cord IEC C19 to NEMA 5-15, 15A/125V Rating 120V | 1 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix UC3 Exploded Diagram | DRAWN BY | JJ | | 30/05/17 | | |
| DWG NO.: | TANG-003S | APPROVED BY | DW | | 30/05/17 | | |
| MATERIAL: | | REVISION | b | CO: | 362 | SCALE:1:6 | |

**11.5 Mix UC8 parts (cont.)**



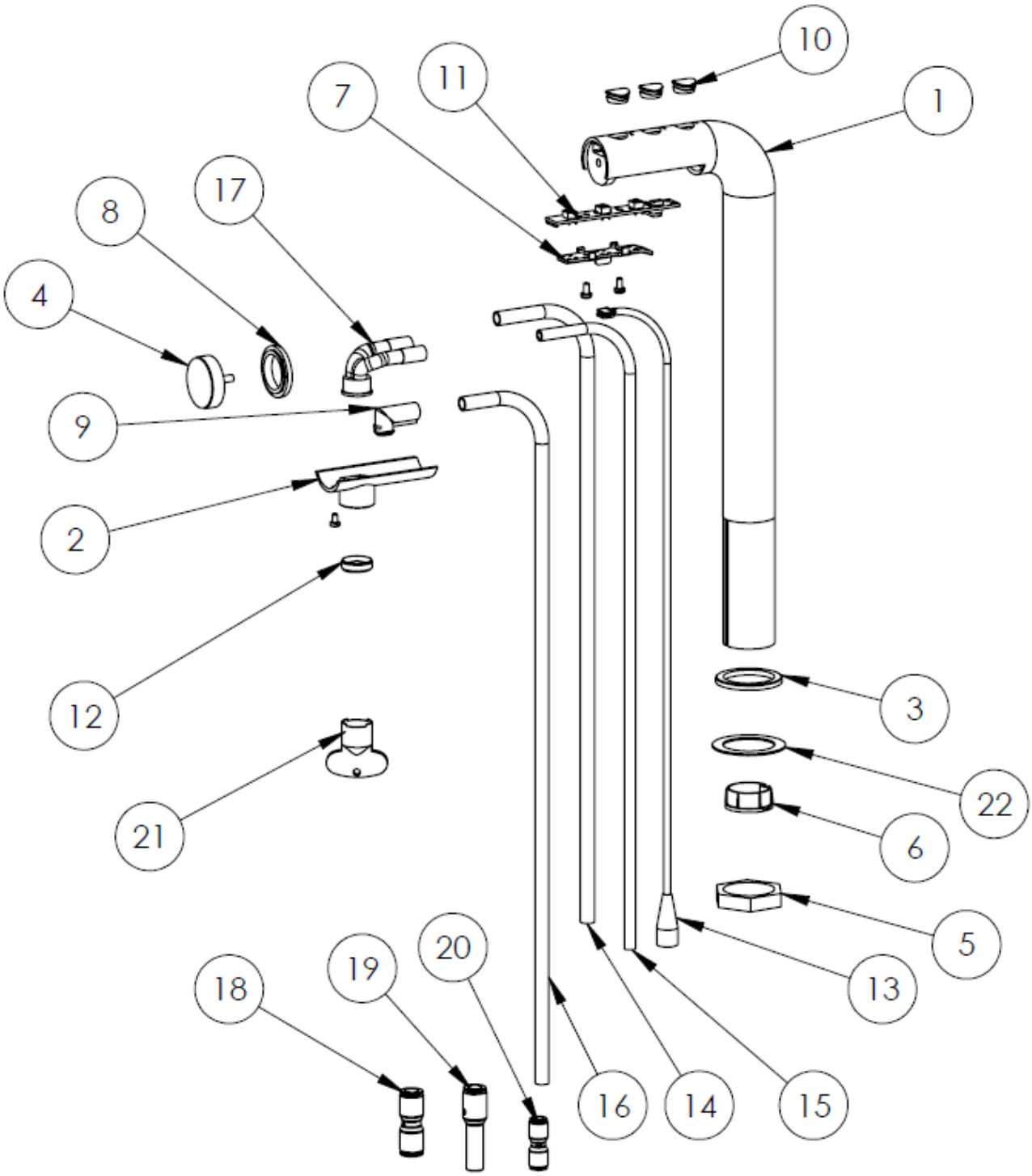
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 2300731 | Vacuum Tank 3L | 1 |
| 2 | 1401904 | Spigot Stub Threaded 20mm for pump | 1 |
| 3 | 1860310 | Mix Tank Gasket | 1 |
| 4 | 1860319 | Mix Vacuum Tank Lid | 1 |
| 5 | 1401000 | LOCKNUT 1/4" BSP BRASS | 2 |
| 6 | 1500991 | Mix Element 3L | 1 |
| | 1500993 | Mix Element 3L 120V | 1 |
| 7 | 1801375 | Silicone Washer 21x12x4mm | 2 |
| 8 | 1860326 | Mix Level Probe Grommet | 2 |
| 9 | 2300455 | Probe High Level - Mix | 1 |
| 10 | 2300458 | Probe Overflow - Mix | 1 |
| 11 | 2300456 | Probe Low Level 3L Tank - Mix | 1 |
| 12 | 1502147 | Valve Dispense Solenoid Plug M00849 | 1 |
| 13 | 1600693 | Thermistor Assembly Mix 3L | 1 |
| 14 | 1800672 | Jet Basket Syphon | 1 |
| 15 | 1800695 | Hose Vent Mix UC | 1 |
| 16 | 1401760 | Screw M4 X 10mm Pozi Pan S/S | 3 |
| 17 | 1800668 | Silicone Closure | 1 |

marco POURING PERFECTION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: LINEAR: +/-0.2mm

| | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION: | Mix UC3 Exploded Diagram | DRAWN BY | JJ | | 30/05/17 | |
| DWG NO.: | TANG-003S | APPROVED BY | DW | | 30/05/17 | |
| MATERIAL: | | REVISION | b | CO: | 362 | SCALE:1:6 |

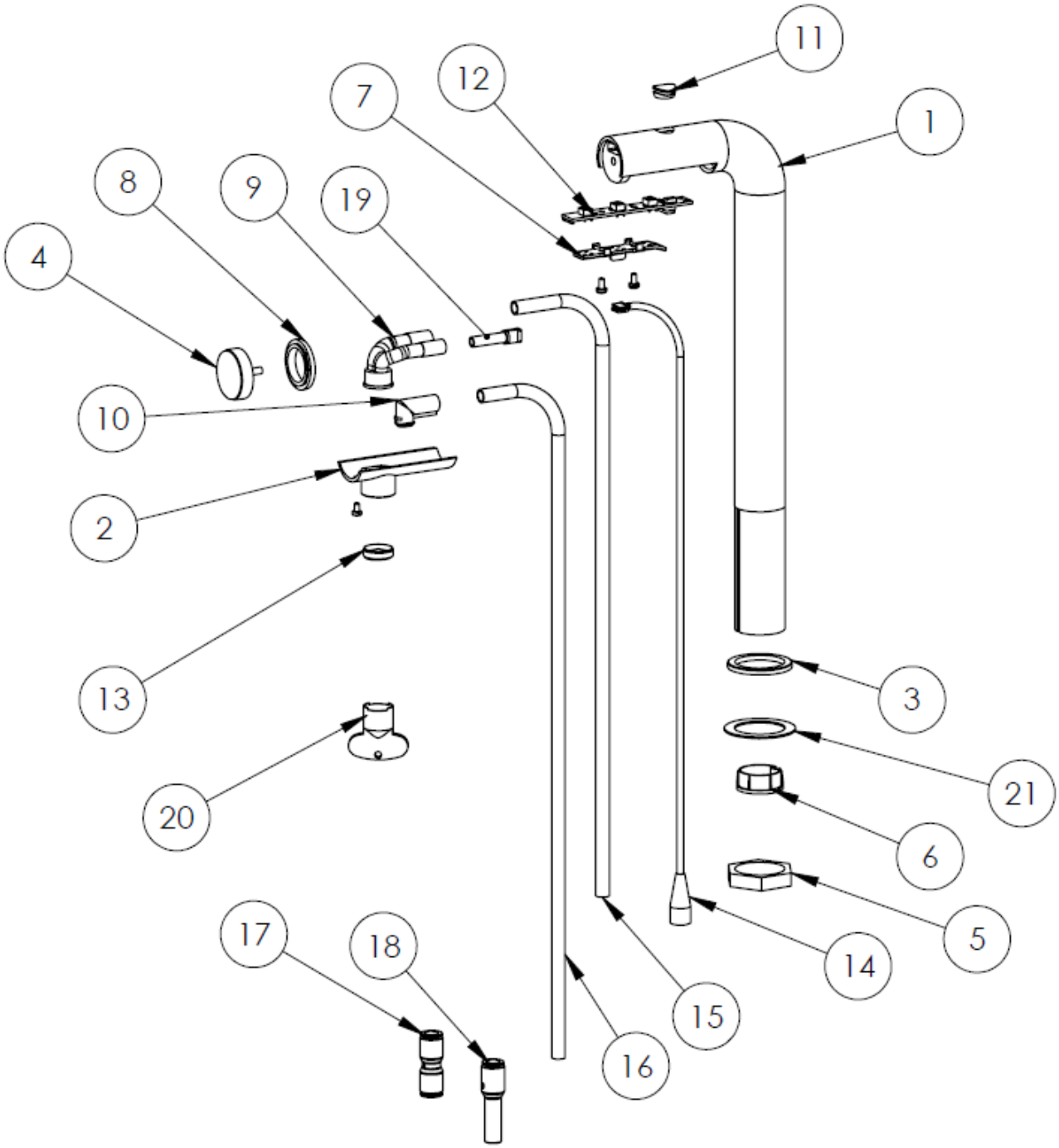
**11.6 Mix Font – 3 Button**



## 11.6 Mix Font – 3 Button (cont.)

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860351 | Mix Font Tube - 3 button | 1 |
| 2 | 1860352 | Mix Font Upper Access Panel | 1 |
| 3 | 1860353 | Mix Font Flange Collar | 1 |
| 4 | 1860354 | Mix Font End Cap | 1 |
| 5 | 1860355 | Mix Font Clamping Nut | 1 |
| 6 | 1860356 | Mix Font Base Cap | 1 |
| 7 | 1860357 | Mix Font PCB Mount | 1 |
| 8 | 1860358 | Mix Font LED Ring | 1 |
| 9 | 1860360 | Mix Font Vent Outlet | 1 |
| 10 | 1860361 | Button Mix Font | 3 |
| 11 | 1600386 | PCB Mix Font | 1 |
| 12 | 2100011 | Flow Straightner Mix Font | 1 |
| 13 | 1501175 | Harness Mix Font | 1 |
| 14 | 1860371 | Mix Font Hot Water Pipe | 1 |
| 15 | 1860372 | Mix Font Cold Water Pipe | 1 |
| 16 | 1860373 | Mix Font Vent Pipe | 1 |
| 17 | 1860359 | Mix Font Dispense Hose | 1 |
| 18 | 1400819 | Straight Union 8mm - 8mm | 1 |
| 19 | 1401659 | Reducer Connector 8mm - 10mm | 1 |
| 20 | 1400818 | Straight Union 1/4" - 1/4" | 1 |
| 21 | 1700198 | Flow Straightener - Removal Tool | 1 |
| 22 | 1402396 | Washer S/S 30x42x1mm | 1 |

**11.7 Mix Font – 1 Button**



**11.7 Mix Font – 1 Button (cont.)**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 1860350 | Mix Font Tube - 1 button | 1 |
| 2 | 1860352 | Mix Font Upper Access Panel | 1 |
| 3 | 1860353 | Mix Font Flange Collar | 1 |
| 4 | 1860354 | Mix Font End Cap | 1 |
| 5 | 1860355 | Mix Font Clamping Nut | 1 |
| 6 | 1860356 | Mix Font Base Cap | 1 |
| 7 | 1860357 | Mix Font PCB Mount | 1 |
| 8 | 1860358 | Mix Font LED Ring | 1 |
| 9 | 1860359 | Mix Font Dispense Hose | 1 |
| 10 | 1860360 | Mix Font Vent Outlet | 1 |
| 11 | 1860361 | Button Mix Font | 1 |
| 12 | 1600386 | PCB Mix Font | 1 |
| 13 | 2100011 | Flow Straightner Mix Font | 1 |
| 14 | 1501175 | Harness Mix Font | 1 |
| 15 | 1860371 | Mix Font Hot Water Pipe | 1 |
| 16 | 1860373 | Mix Font Vent Pipe | 1 |
| 17 | 1400819 | Straight Union 8mm - 8mm | 1 |
| 18 | 1401659 | Reducer Connector 8mm - 10mm | 1 |
| 19 | 1401482 | Plug Legris 6mm | 1 |
| 20 | 1700198 | Flow Straightener - Removal Tool | 1 |
| 21 | 1402396 | Washer S/S 30x42x1mm | 1 |

| | | |
|---|---|---|
| MARCO is an ISO9001:2000 Registered Company. | | |