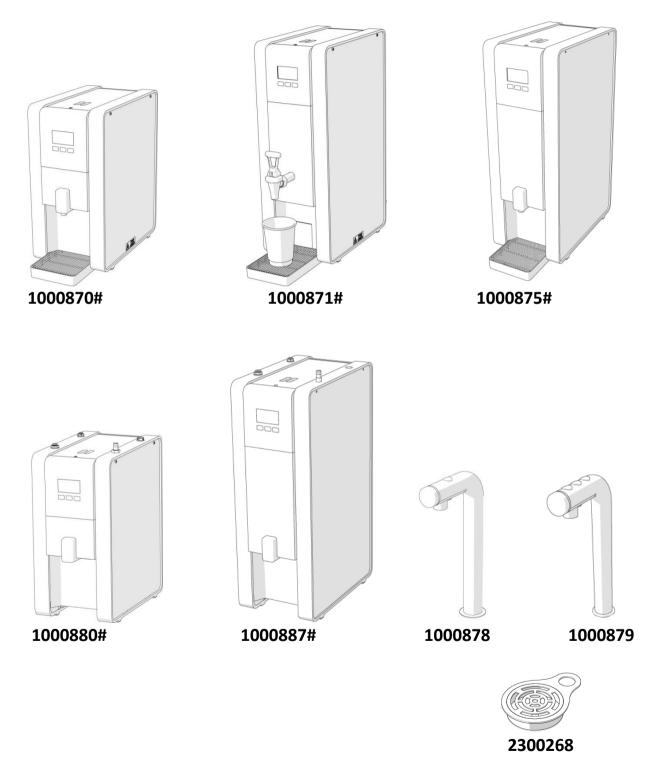


MIX Boiler & Font Range – Service Manual



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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 |
|-------------|-----------------------------------------|---------------------------|---------------------------|--------------------------------------------------------------------------------------|----------------------------|----------------------|
| | Immediate Draw Off (L) | 3L | 8L | 8L | 3L | 8L |
| Performance | Total Hourly output (L/hr) | 28 | 28 | 28 | 28 | 28 |
| Electrical | Mains Connection | | – UK) El) (US/Canac | Aains Plug to I 3-Pin Plug, BS J – CEE7 Schul da (230v - NEN 120v – NEMA | 1363) ko) 1A L6-20P) | |
| | Rating | | | @230V 2.8kW 12.15A | | |
| | | | | @120v 1.45kW 12.15A | | |
| Plumbing | Fittings | 0.75" BSP (o supplied. | r 3/8" NPT for | US versions) f | ood grade inle | et hose |
| | Required Pressure | 5-50 psi (35- | 345 kPa) | | | |
| Dimensions | Height (mm) Width (mm) Depth (mm) | 420 210 440 | 590 210 505 | 590 210 440 | 440 210 385 | 610 210 385 |

<u>FONTS:</u>

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



4. INSTALLATION

4.1 Mix Boiler Installation

Electrical Installation:

• Electrical specification: 2.8kW-230VAC-50/60Hz

1.45kW-120VAC-50/60Hz

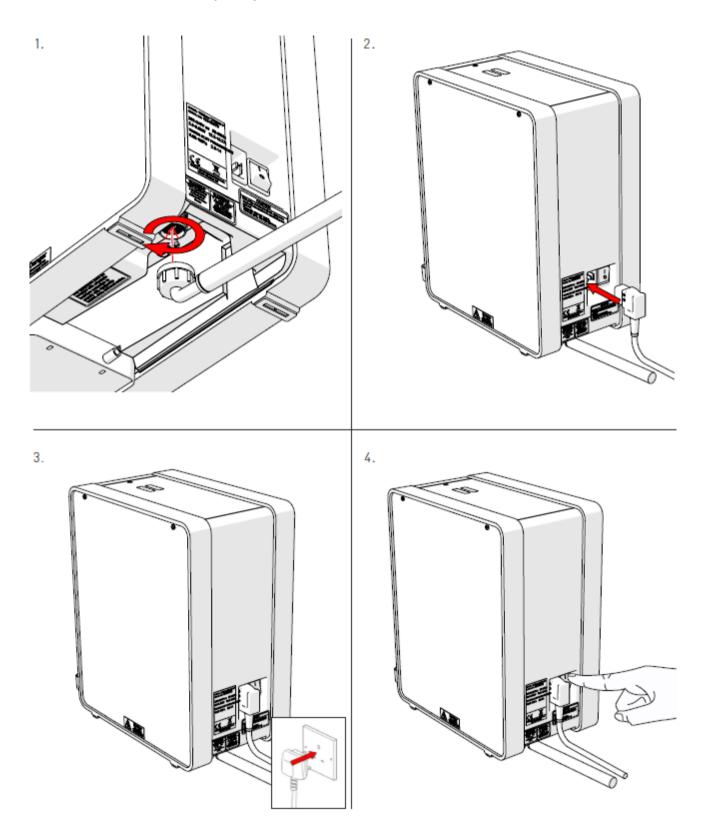
- A moulded 13A IEC power cord is provided. This should be plugged into the IEC connection on the rear of the boiler and plugged into a suitable 13A power outlet.
- When installing the machine, always observe the local regulations and standards.

Plumbing Installation:

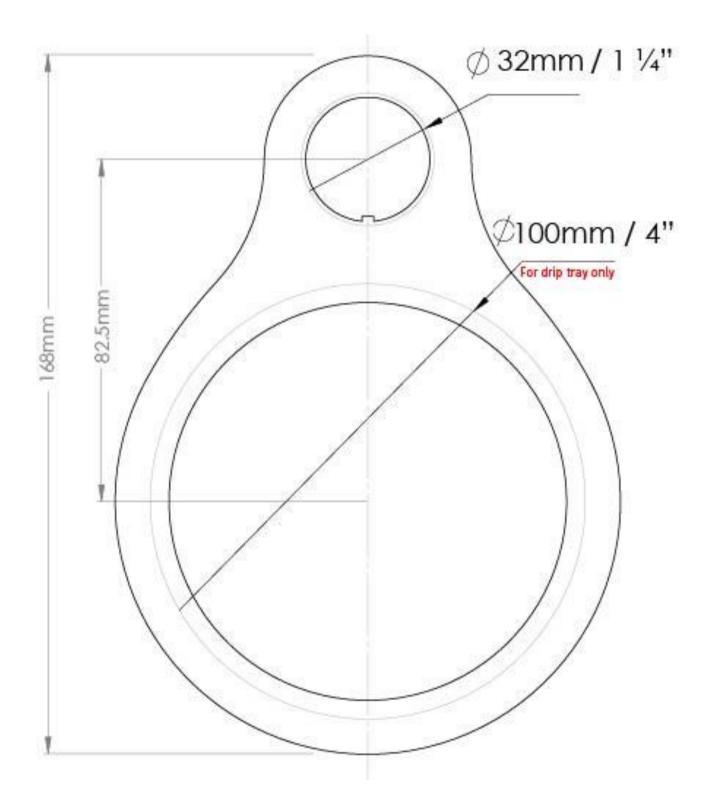
- Mains water pressure required (limits): 5-50psi (35-345kPa) 0.5 5.0 bar
- Fit a stop Valve on a cold water line and attach a 3/4" BSP male fitting, (e.g. 3/4" x 1/2" 311 or washing machine type stop valve).
- For US versions use 3/8" NPT male fitting.
- Connect straight tailpiece of the hose to the 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.)



4.2 Mix Font Installation

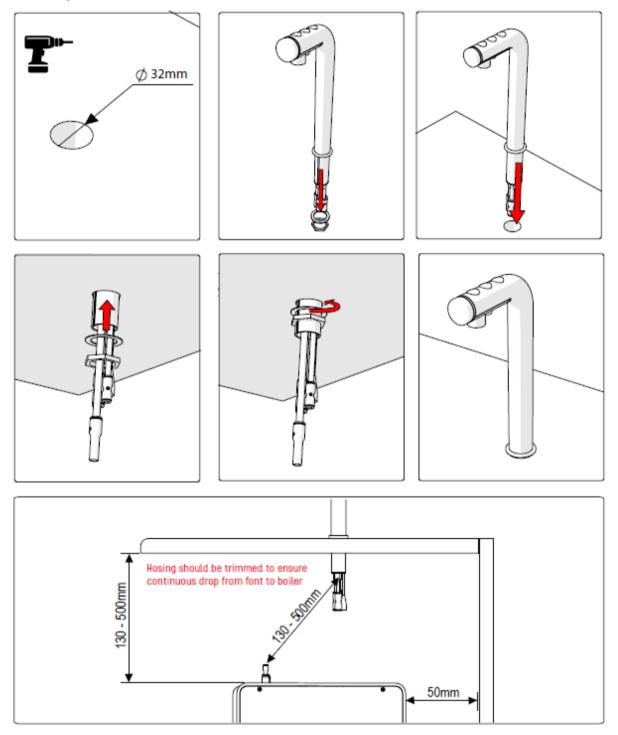


marco



4.2 Mix Font Installation (cont.)

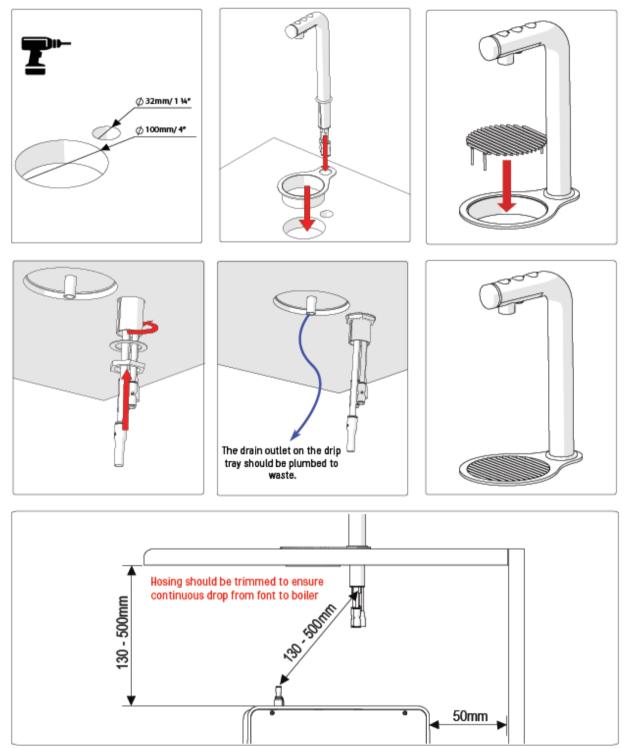
1. No Drip Tray





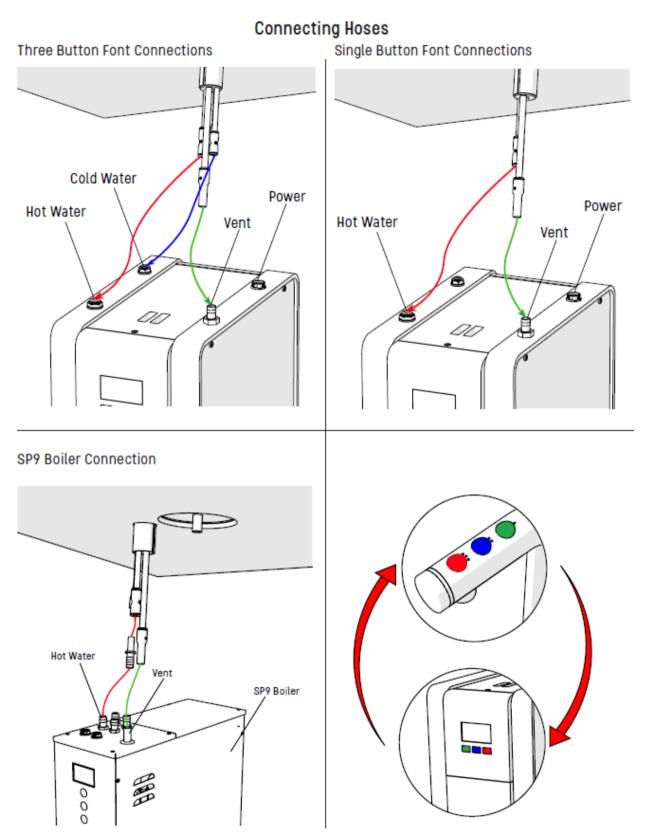
4.2 Mix Font Installation (cont.)

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





4.2 Mix Font Installation (cont.)

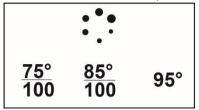




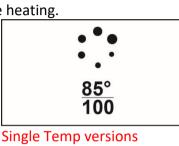
5. BOILER SETUP

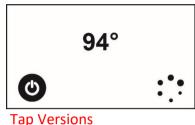
5.1 Operating Boiler for the First Time

- 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

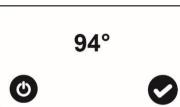




- The "Ready" tick with come up on screen when the machine is full and up to normal operating temperature typically 6 mins for 3L and 16 mins for 8L versions respectively.
- The boiler is now ready for use the display will show the Water Temperature and the "Ready" status tick.







Multi Temp versions

Single Temp versions

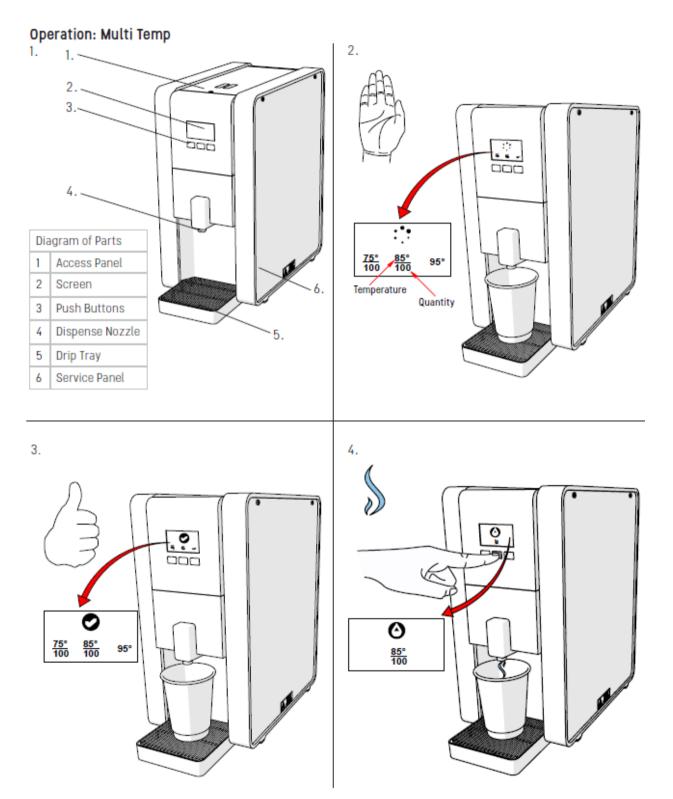
Tap Versions

- 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. OVERVIEW & OPERATION

6.1 PB Boiler – Multi-temp Operation

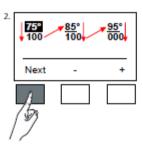


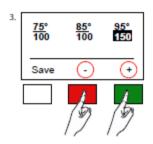


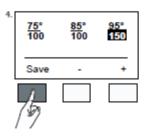
6.1 PB Boiler – Multi-temp Operation (cont.)

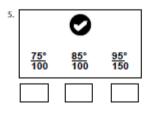
Programming: Multi Temp - Method 1



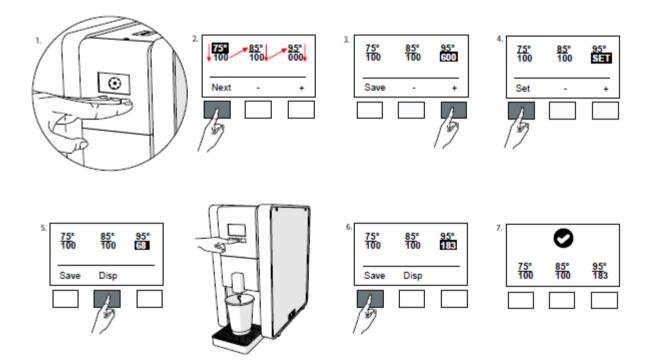






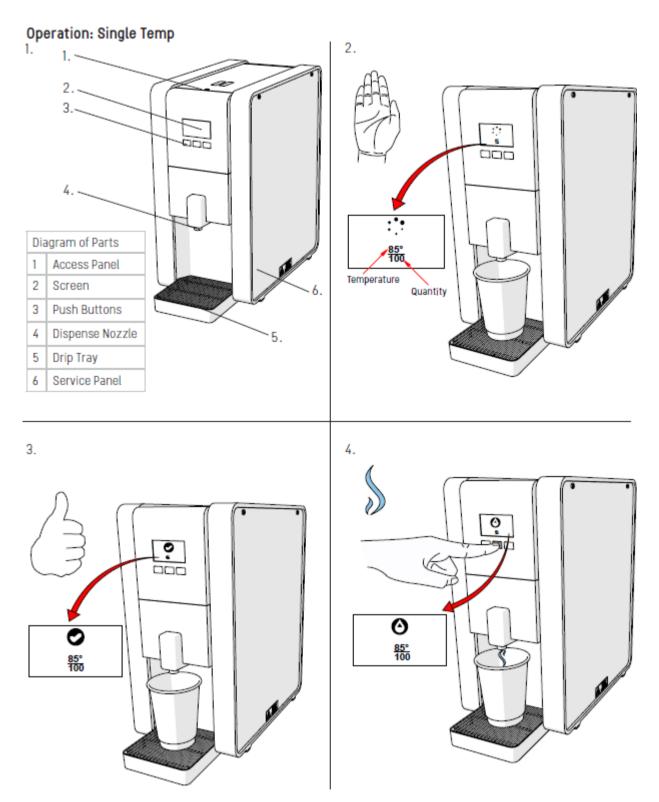


Programming: Multi Temp - Method 2





6.2 PB Boiler – Single Temp Operation

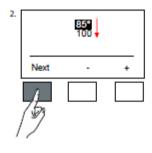


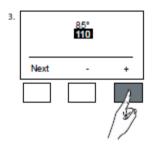


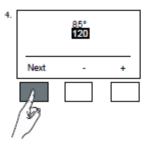
6.2 PB Boiler – Single Temp Operation (cont.)

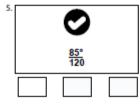
Programming: Single Temp - Method 1



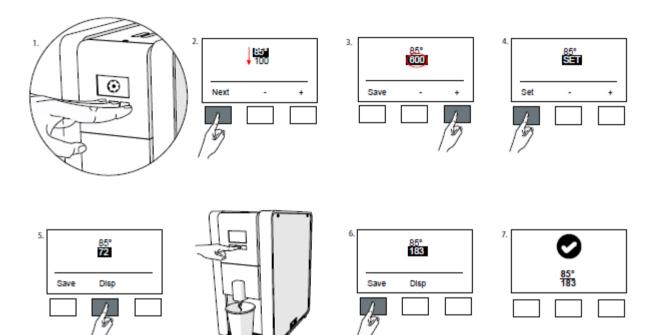








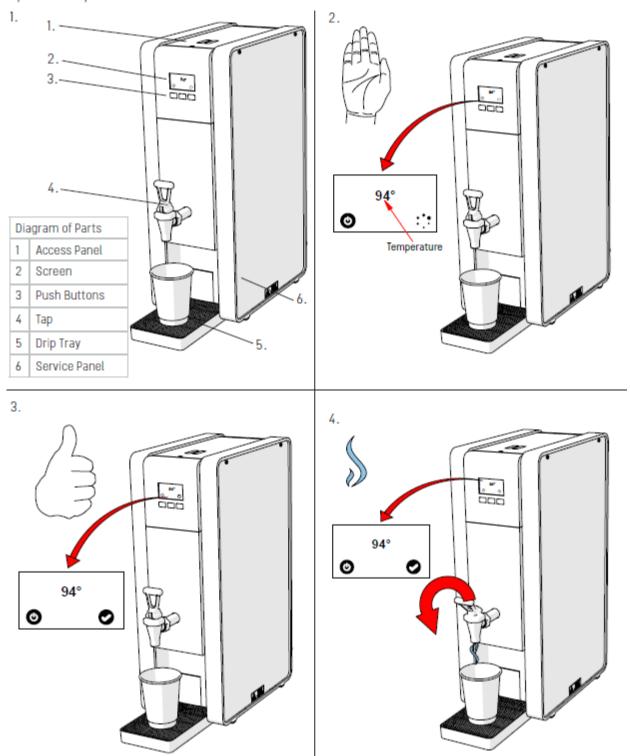
Programming: Single Temp - Method 2





6.2 Tap Boiler – Operation

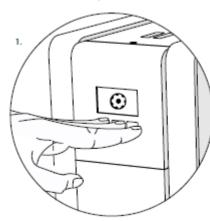
Operation: Tap

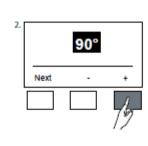




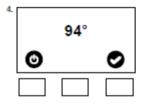
6.2 Tap Boiler – Operation (cont.)

Programming: Tap





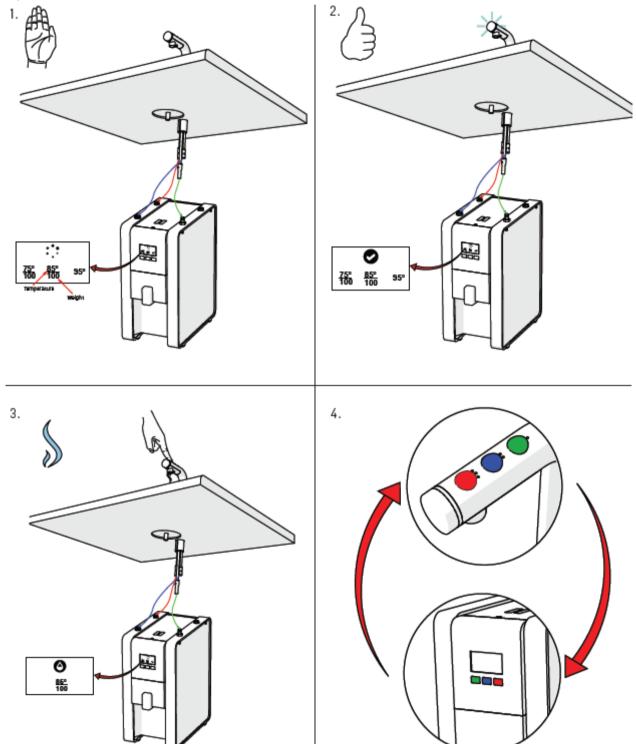
| 3. | | 94° | |
|----|------|-----|---|
| | Save | - | + |
| | þ | | |





6.3 UC Boiler – Operation



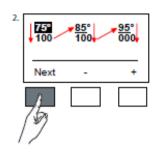




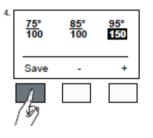
6.3 UC Boiler – Operation (cont.)

Programming: Under Counter







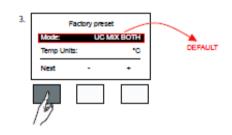


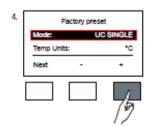
| 5. | | Ø | |
|----|-------------------|-------------------|--------------------|
| | <u>75°</u> 100 | <u>85°</u> 100 | <u>95</u> ° 150 |
| | | | |

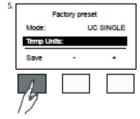
Set Up Single Button Font (default is 3 button font)



| 2. | Descale | weeks | Off |
|----|------------|-------|-----|
| | Fiter Litr | | off |
| | Set Pin: | | + |
| | Next | - | • |
| | þ | | |





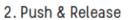


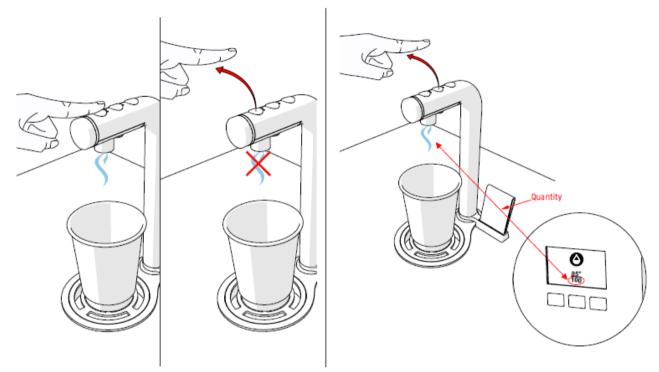
| 6. | | O | |
|----|--------------------|-------------------|-------------------|
| | 7 <u>6°</u> 100 | <u>86°</u> 100 | <u>96°</u> 160 |
| | | | |



6.4 Mix Font – Operation

1. Push & Hold







7. MENU NAVIGATION

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

| Level 1 – User Settings | Level 2 – Advanced Settings | Level 3 – Engineering Settings |
|------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|
| \bigcirc | | ENG |
| Enter by pressing all 3 buttons simultaneously | Enter by pressing all 3 buttons simultaneously for > 3 <6 seconds | 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:

| <mark>75°</mark> | 85° | 95° | 75° | 85° | 95° |
|------------------|-----|-----|------|-----|-----|
| 100 | 100 | 000 | 100 | 100 | 150 |
| Next | - | + | Save | - | + |

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).

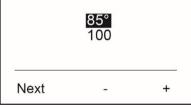
The second row shows the desired dispense volume – a volume of '000' sets the dispense button to 'Push & Hold' mode.

Press 'NEXT' to cycle through each value shown on the screen.

Press + or - to adjust a value.

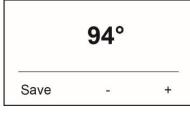
Press **SAVE** to store values and return to normal operation.

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)

| Descale weeks | Off |
|----------------|-----|
| Filter Litres: | Off |
| Set Pin: | |
| Next | + |

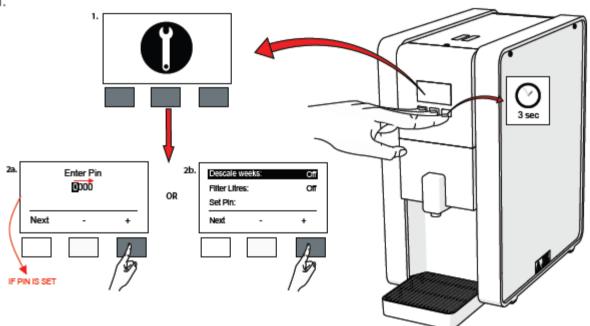
| Factory preset | |
|----------------|-----|
| Mode: MIX BOTH | |
| Temp Units: | °C |
| Next | Go! |

| icreen 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 h | | |
| | | | |
| | been used. | | |
| Set Pin | Setting the PIN to a | ny number other than '0000' will restrict access to | |
| | the Advanced and E | Engineering Level settings. | |
| | | | |
| | Blank, any 4-digit co | ombination. | |
| | Enter Pin | | |
| | 0000 | | |
| | | | |
| | Next | | |
| | Next - | + | |
| | (Back door PIN in th | ne event of forgotten PIN is: 1793) | |
| Factory Preset | Resets a number of Engineering Level settings specific to a machine | | |
| | type. | | |
| | Allows selection of machine type from: | | |
| | ТАР | | |
| | PB3 | | |
| | PB8 | | |
| | UC (3 button) | | |
| | UC (1 button) | | |
| | | | |
| Mode | Allows selection of | mode types from: | |
| | Mode Type | T be used for: | |
| | UC COLD HOT | | |
| | UC HOT COLD | UC version connected to 3 button font | |
| | UC MIX BOTH | | |
| | UC SINGLE | UC version connected to a single button font | |
| | COLD HOT | | |
| | HOT COLD | PB version in Multi-temp operation | |
| | MIX BOTH | | |
| | SINGLE | PB version in single-temp operation | |
| | TAP | Tap versions | |
| | COLD 60S | for calibration and diagnostic purposes only | |
| | HOT 5S | | |
| | | for calibration and diagnostic purposes only | |

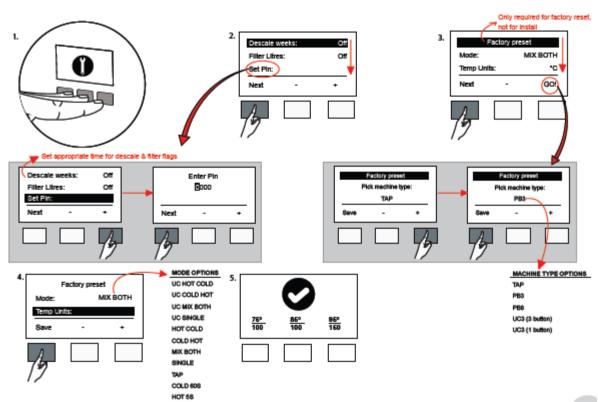
| | | Indico |
|------------|----------|--------|
| | | |
| | | |
| Temp Units | °C or °F | |

7.2 Advanced Settings (cont.)





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.

| Dispense Calibratio | on |
|---------------------|------|
| Cal weight: | 600 |
| Inlet flow: | 1200 |
| Next | Go! |

| Tank factor | | 5.0 |
|-------------|---|------|
| Cold temp: | | 15.0 |
| Cold flow: | | 1200 |
| Next | - | + |

Screen 1

| 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. |
| | Default values (depend on machine type): |
| | PB3 = 600 |
| | PB8 = 1050 |
| | UC (3 button) = 600 |
| | 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. |
| | 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: |
| | Default values (depend on machine type): |
| | PB3 = 5.0 |
| | PB8 = 8.8 |
| | UC (3 button) = 1.5 |
| | UC (1 button) = 1.5 |
| Cold Temp | The temperature of the incoming mains water supply as seen at the |
| | boiler. |
| | 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. |
| | |



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.

| Cal weight: | 600 |
|-------------|------|
| Inlet flow: | 1200 |
| Next | Go! |

1. Default settings for a PB3. Press Go!

| | Dispense Calibration | |
|-----|----------------------|--|
| | Dispensing | |
| | 15 | |
| Esc | | |

3. Machine will dispense for 15 seconds

| Dispense Calibration | | |
|----------------------|---------------|---|
| E | nter dispense | d |
| | weight: 600g | |
| Next | - | + |
| | | |

5. Screen will show the above

| D | ispense Calibration | |
|-----|---------------------|--|
| | Refilling tank | |
| | 028.8 | |
| Esc | | |

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

| Tank facto | or | 5.0 |
|------------|----|------|
| Cold temp | o: | 15.0 |
| Cold flow: | | 1200 |
| Next | - | + |

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

| Dispense C | Calibration |
|------------|-------------|
| Place buck | ket under |
| spout and | l click go |
| Esc | Go! |

2. Place bucket. Press Go!



4. Weigh output

| | Dispense Calibration | |
|------|----------------------|---|
| | Enter dispensed | |
| | weight: 612g | |
| Next | - | + |

6. Enter Weight using +/-. Press Next

| Dispense Calibration | | |
|----------------------|------|--|
| Cal weight: | 612 | |
| Inlet flow: | 1187 | |
| Next | Go! | |

8. Screen will show entered CAL WEIGHT and software calculated INLET FLOW. Press <u>Next</u>

| Tank facto | or | 5.0 |
|------------|----|------|
| Cold tem | o: | 15.0 |
| Cold flow | • | 1208 |
| Next | - | + |

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

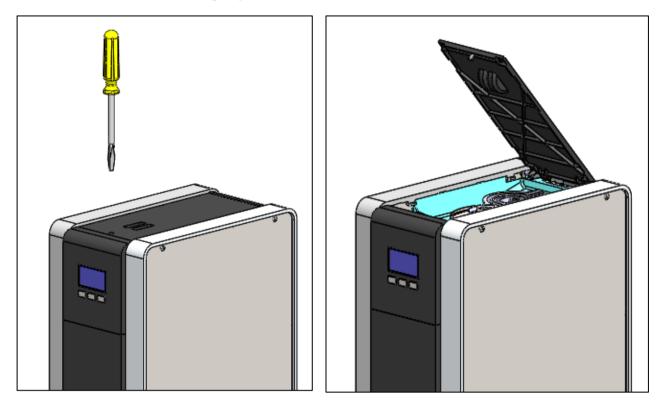


8. ROUTINE MAINTAINENCE/INTERNAL ACCESS

Maintenance should be carried out by Marco approved technicians only.

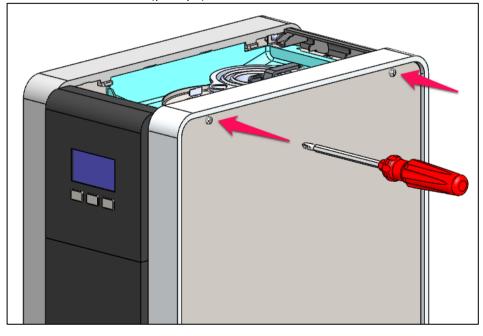
8.1 Top Lid Removal:

- 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.







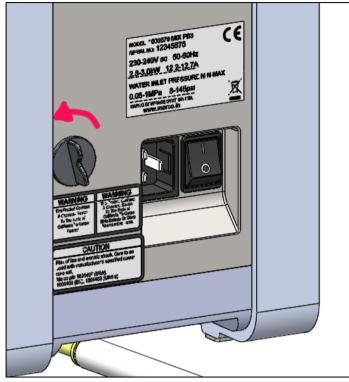
8.3 Draining the tank:

1. Turn off machine and disconnect from mains power.

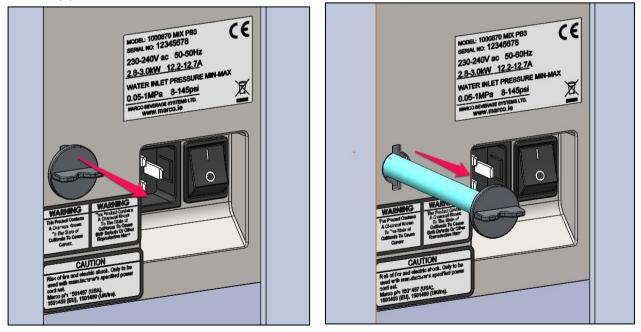
2. Allow to cool sufficiently to avoid burn risk.

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.

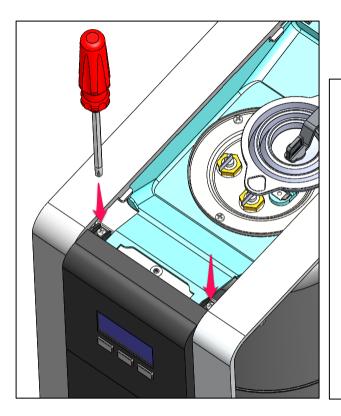


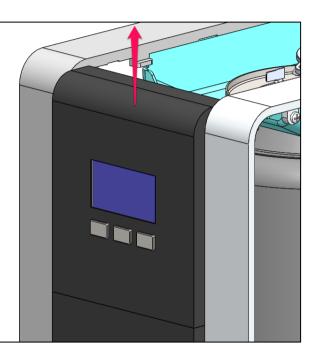
- 6. Remove drain plug from the end of the silicone hose and empty into sink or bucket.
- 7. Replace drain plug fully into silicone hose and push silicone hose gently back into the machine.
- 8. Re-clip the drain plug to the rear plastic enclosure panel by rotating 90° clockwise.

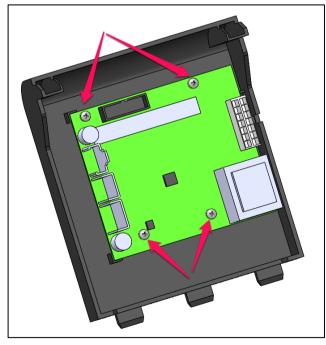


8.4 PCB replacement:

- 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.







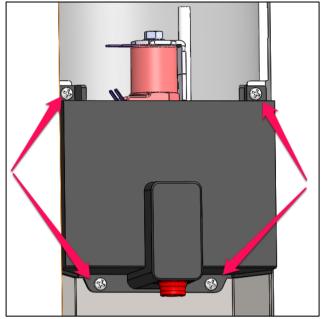


8.5 Dispense Solenoid or Pump replacement:

1. Remove Upper Fascia Panel as per section 8.4.

2. Undo 4 retaining screws as shown in picture below.

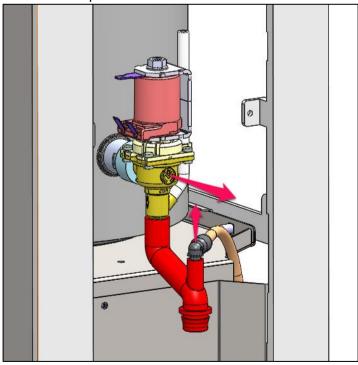
3. Then pull the plastic panel directly outwards from the machine. (For PB versions, push the silicone dispense nozzle through the hole – the nozzle will need to be squeezed slightly).



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

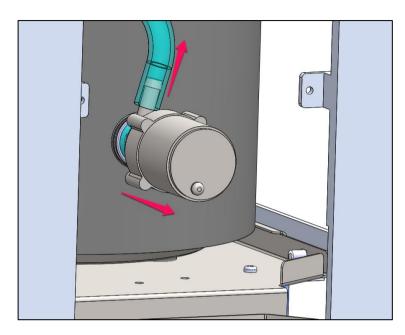
- 1. Disconnect all wires connected to solenoid.
- 2. Disconnect cold water feed in to the Silicone dispense nozzle by pulling upwards.

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.

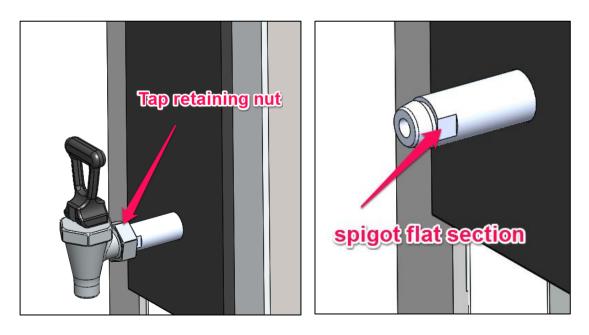


8.6 Dispense Tap removal

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.



marco



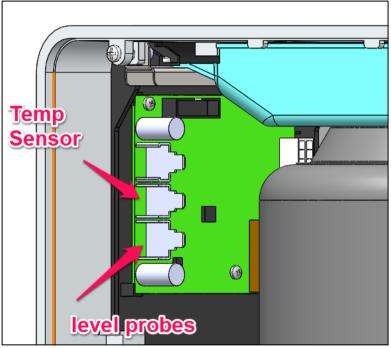
8.7 Tank Lid Sub-Assembly Removal

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

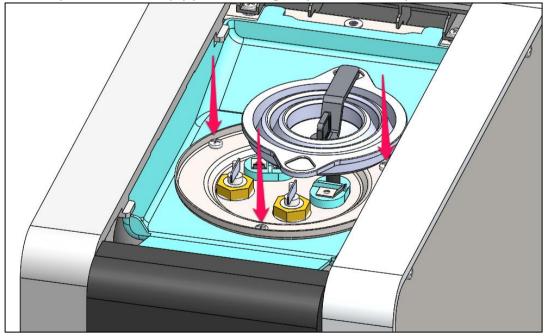
- 1. Disconnect machine from mains power and allow to cool!
- 2. Remove Outer Lid as per section 8.1 and right hand side panel as per section 8.2.

3. Disconnect heating element wires as well as disconnecting the level probe connector and

thermistor connectors at the PCB.



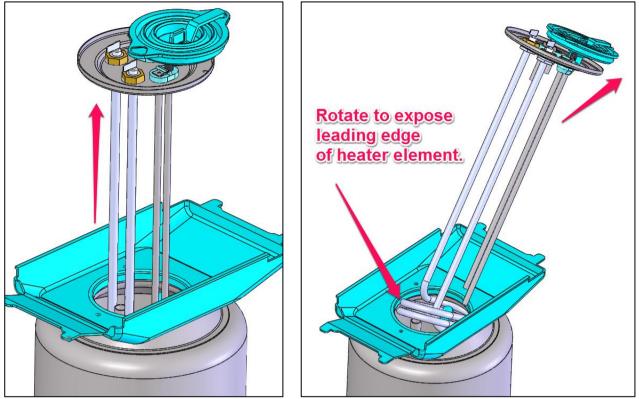
4. Undo the 3 Tank Lid retention screws located in the picture below. For the screw underneath the collapsible funnel simply push funnel gently out of the way to access the screw.



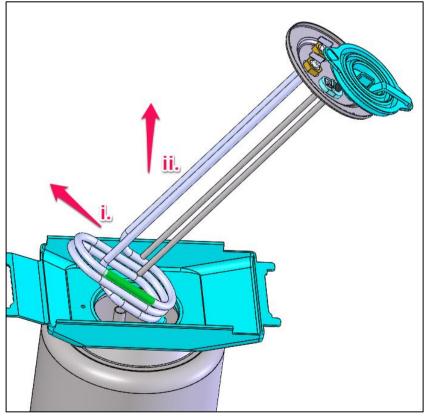
5. Gently pull the Tank Lid sub-assembly upwards initially – ensure wiring does not get caught as sub-assembly is pulled upwards.



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.

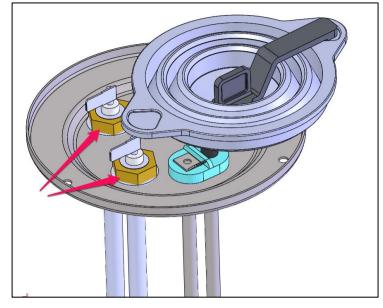




8.8. Heater Element Removal

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.



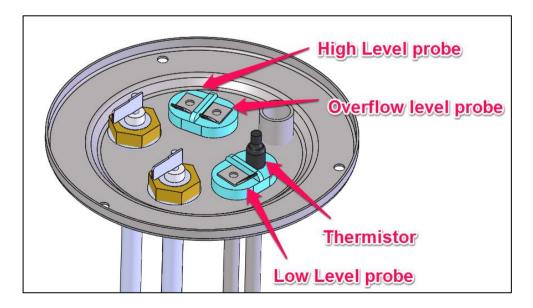
8.9 Thermistor & Level Probes - Cleaning & replacement

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.

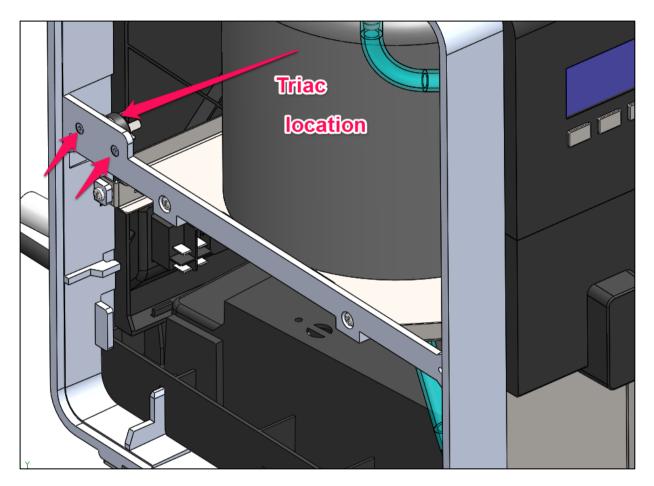
The Tank lid sub-assembly does not need to be removed to access the level probes as they can be pulled from the silicone mounting grommet by the metal electrical tab – the descale funnel can be pushed gently out of the way to access. The thermistor can be pulled directly from the mounting grommet using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



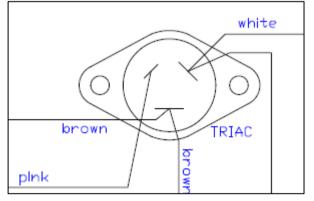


8.10 Triac Replacement

- 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.



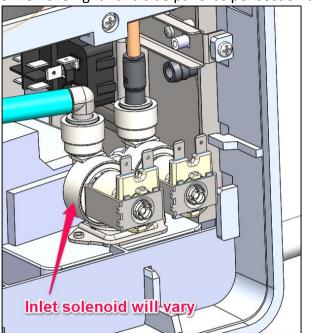
Correct triac wiring (as per wiring diagrams):





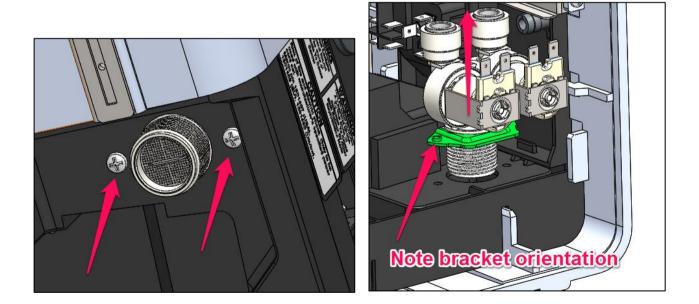
8.11 Inlet solenoid Replacement

- 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 (<u>NOTE</u>: 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)





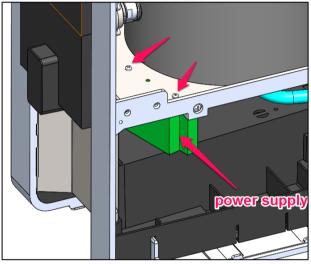
8.12 Pump Power Supply (UC versions only)

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.

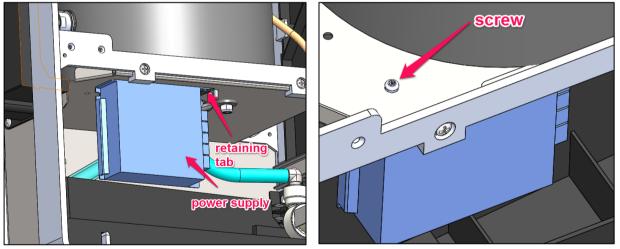
Power supply 1 is fitted to UC3's with serial number <0517xxxxxx. **Power supply 2** is fitted to UC3's with serial number >0517xxxxxx.

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.



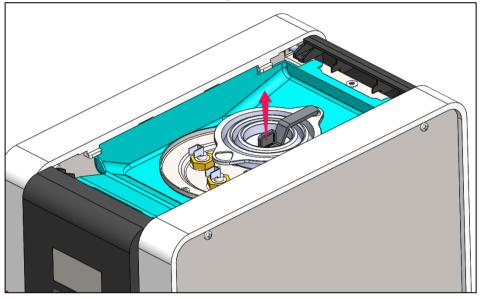
8.13 De-scaling the tank:

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.

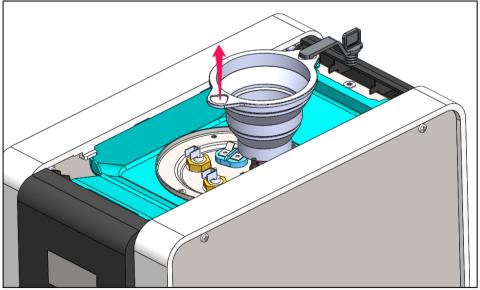
- 1. Disconnect machine from mains power supply and water supply.
- 2. Allow machine to cool.
- 3. Remove Top Lid as per section 8.1

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.

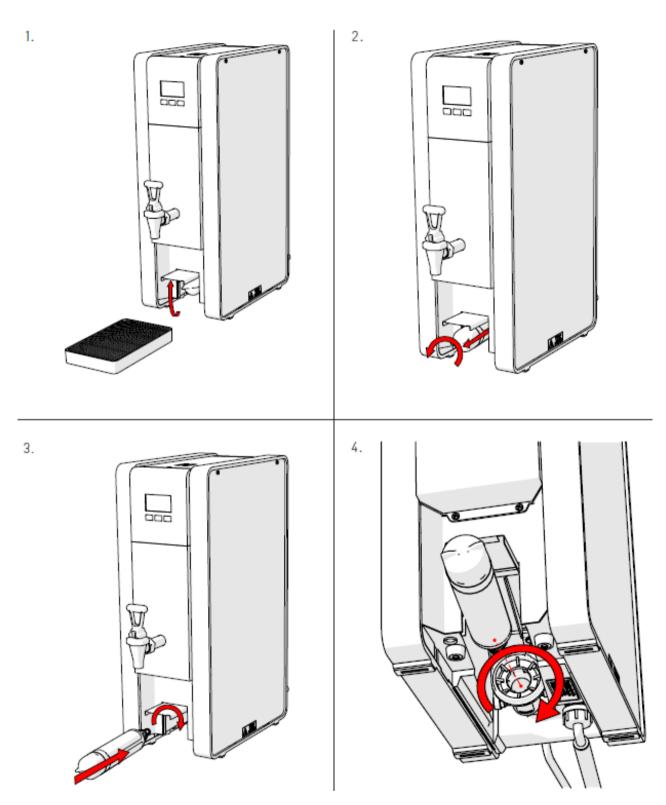
8. Allow descale solution to work for required time to dissolve scale – as per descale product instructions.

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:



9. DIAGNOSTICS

TROUBLESHOOTING - DIAGNOSTIC GUIDE:

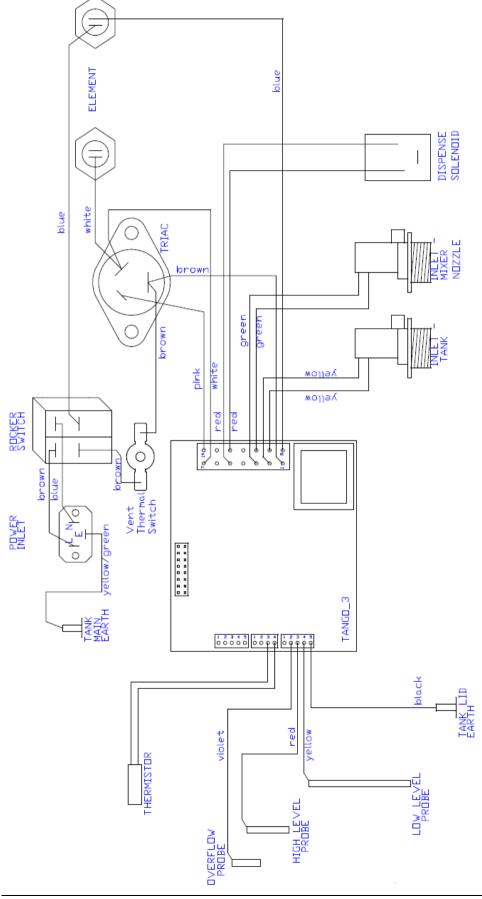
| Reported issue | Component | Check |
|--------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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





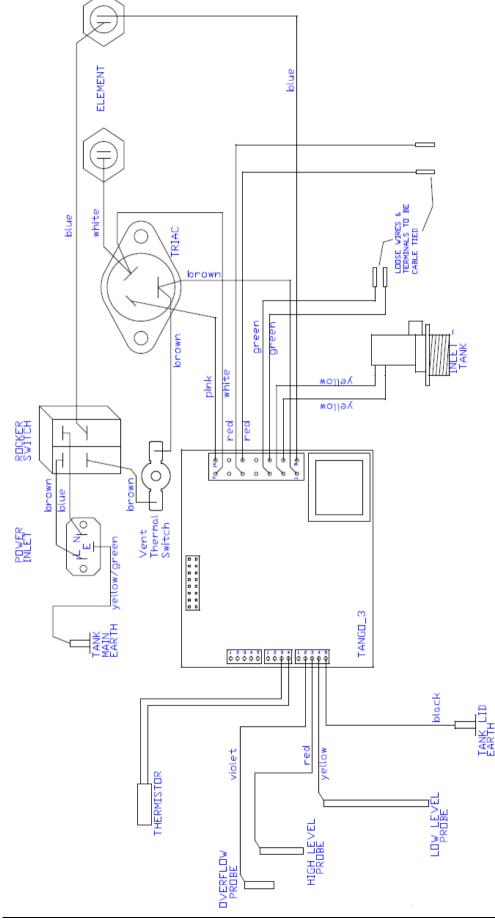
10. ELECTRICAL SCHEMATICS

10.1 Wiring Diagram - PB Versions



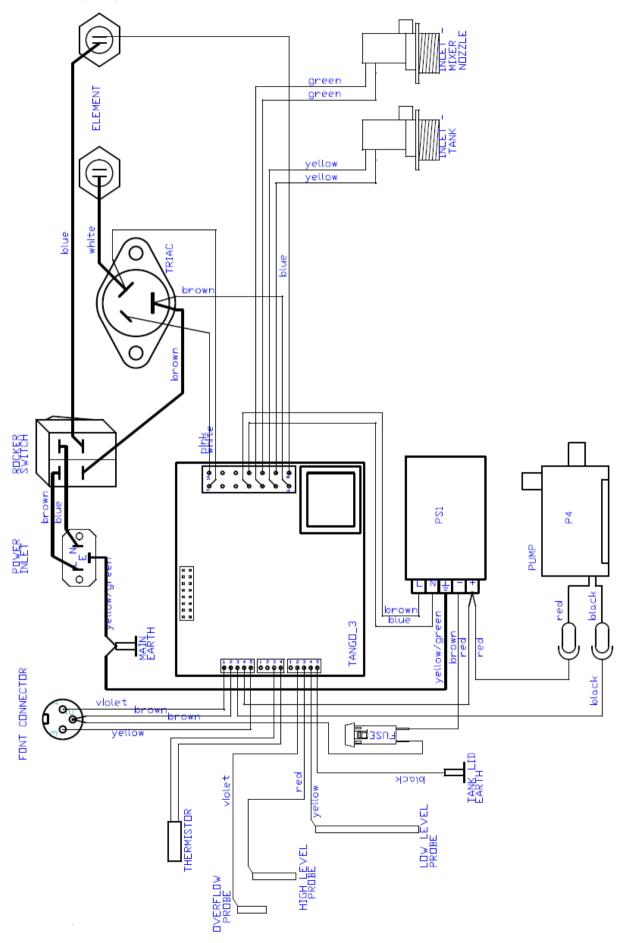


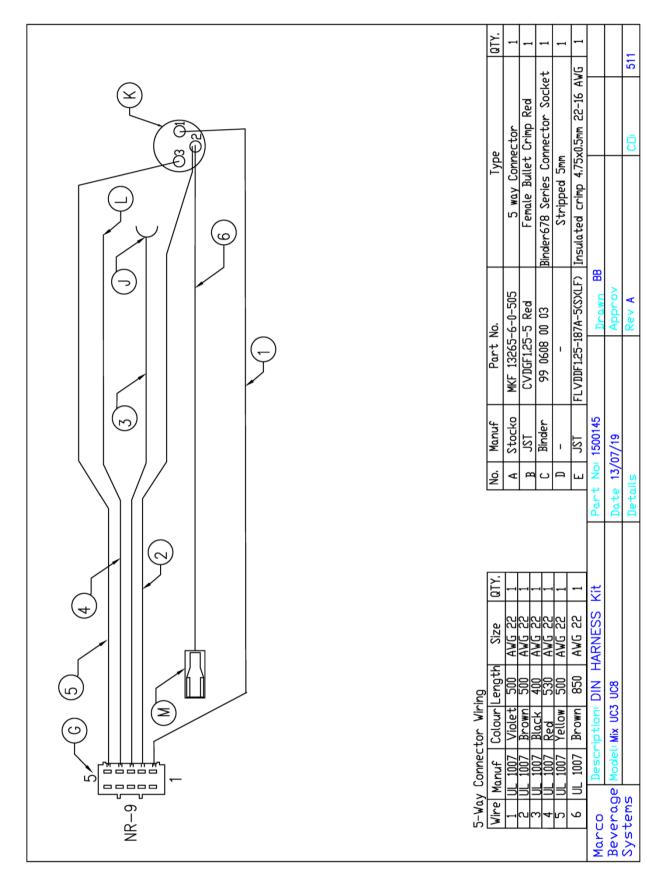
10.2 Wiring Diagram - Tap Versions





10.3 Wiring Diagram - UC Versions





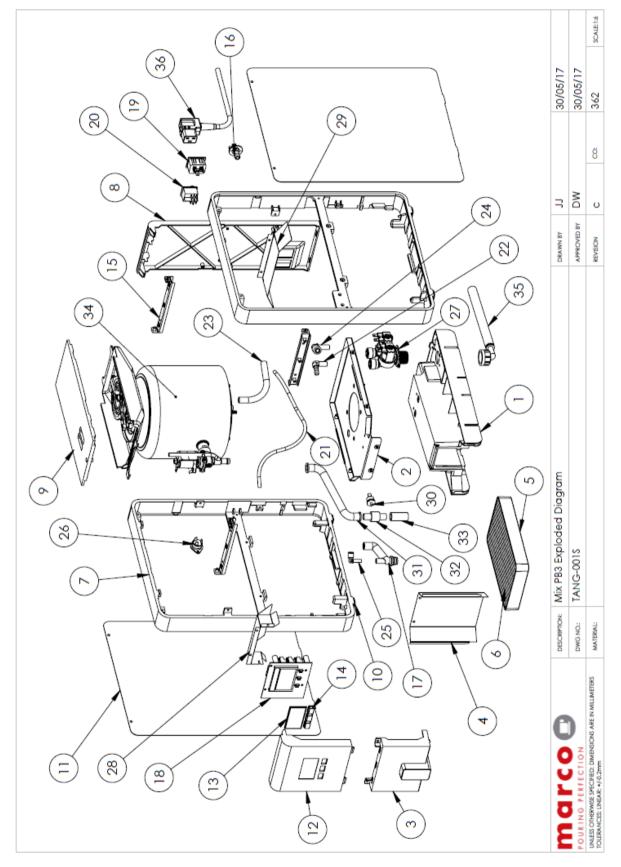
10.4 Mix UC3 UC8 DIN Wiring Harness (1500145)

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11. PART DIAGRAMS & LISTS

11.1 Mix PB3 parts



11.1 Mix PB3 parts (cont.)

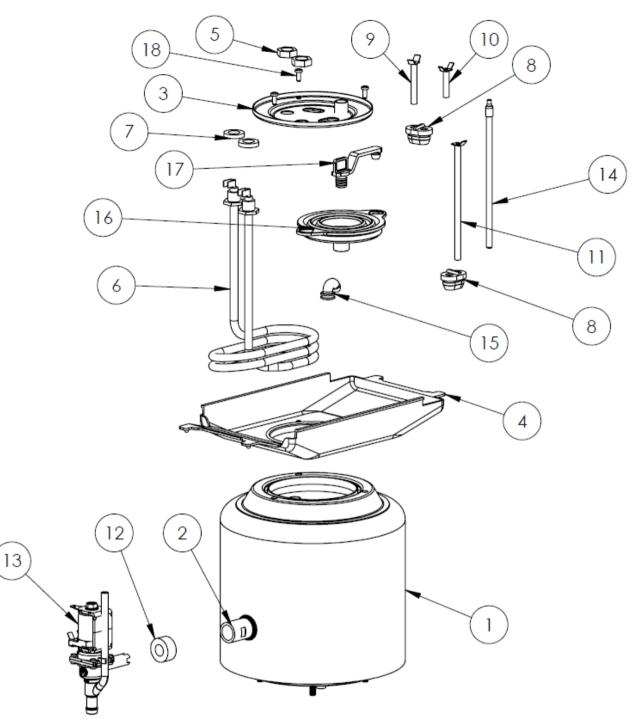
| 1 1860324 M 2 1860316 M 3 1860316 M 4 1860315 M 5 1860303 M 6 1860303 M 7 1860314 M 8 1860314 M 9 1860302 M 10 1860302 M | Mix Base - no Filter Mix Tank Support Assy Mix Facilia Mix Hila pro | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------|-------------|----|----------|----------|
| 1860316 1860308 1860308 18603015 1860301 1860303 1860303 1860309 1860307 1860307 | Mix Tank Support Assy | | | | | |
| 1860308 1860315 1860301 1860303 1860303 1860309 1860309 1860307 1860307 | Mittin Fransis Middle DDD | - | | | | |
| 1860315 1860301 1860303 1860303 1860309 1860309 1860307 1860307 | MIX FOSCIO MIDDIE FB3 | _ | | | | |
| 1860301 1860303 1860303 1860309 1860309 1860307 1860307 | Mix Cup Well - No Filter | | | | | |
| 1860303 1860314 1860309 1860309 1860302 1860307 | Mix Drip Tray | 1 | | | | |
| 1860314 1860309 1860302 1860302 1860307 | Mix Drip Tray Insert | _ | | | | |
| 1860309 1860302 1860307 | Mix Side 3L | 2 | | | | |
| 1860302 1860307 | Mix Rear Panel PB3 | _ | | | | |
| 1860307 | Mix Top Lid | _ | | | | |
| | Mix Rubber Foot | 4 | | | | |
| 11 1860318 N | Mix Side Panel PB3 | 2 | | | | |
| 12 1860304 1 | Mix Fascia Upper | 1 | | | | |
| 13 1860306 A | Mix Clear Screen | 1 | | | | |
| 1860305 | Mix Button | 3 | | | | |
| 15 1860317 N | Mix Brace Assy | 3 | | | | |
| 16 1860337 A | Mix Drain Plug | | | | | |
| 17 1860311 H | Hose Silicone Dispense Mix | - | | | | |
| 1 600387 | PCB Control Mix | _ | | | | |
| | Socket IEC C20 | 1 | | | | |
| 1501216 | Dual Pole Rocker Switch | - | | | | |
| 1800637 | | 430mm | | | | |
| 1400772 | Elbow Barbed Connector - ATEB 0605 | - | | | | |
| 1800630 | Silicone Hose 8mmID x 12mm OD | 200mm | | | | |
| 1400817 | Elbow Push Fit 3/8" - 1/4" - ATEU 0406 | - | | | | |
| | Elbow Push Fit 1/4" - 1/4" - ATEU 0404 | - | | | | |
| 1 600 455 | Triac ST-BTA25 | - | | | | |
| 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | - | | | | |
| | Mix Deflector Shield - Front | - | | | | |
| 1860343 | Mix Deflector Shield - Rear | - | | | | |
| | Thermal Switch M4 stud 95oC Mix | - | | | | |
| 1800696 | Hose Vent Mix | - | | | | |
| 1502072 | Thermal Switch Mount Brass | _ | | | | |
| 1800620 | Silicone Hose 12mm ID x 17mm OD | 35mm | | | | |
| 34 - N | Mix Vacc Tank 3L Assembly | 1 | | | | |
| | Hose Water Inlet 3/4" WRC | - | | | | |
| 1800692 | Hose Water Inlet 3/8 NPT | - | | | | |
| | Cord set IEC C19 BS1363 UK | - | | | | |
| 36 1501488 0 | Cord set IEC C19 CEE7 EU | 1 | | | | |
| | Cord set IEC C19 NEMA L6-20P US | | | | | |
| Corre | DESCRIPTION: Mix PB3 Exploded Diagram | | DRAWN BY | ſſ | 30/05/17 | |
|) o | DWG NO.: TANG-001S | | APPROVED BY | DW | 30/05/17 | |
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | LIMETERS MATERIAL- | | DELIENAL | ę | 540 | COMPLET- |

11.1 Mix PB3 parts (cont.)

1000870,871,875,878,879,880,887 MIX Service Manual.e



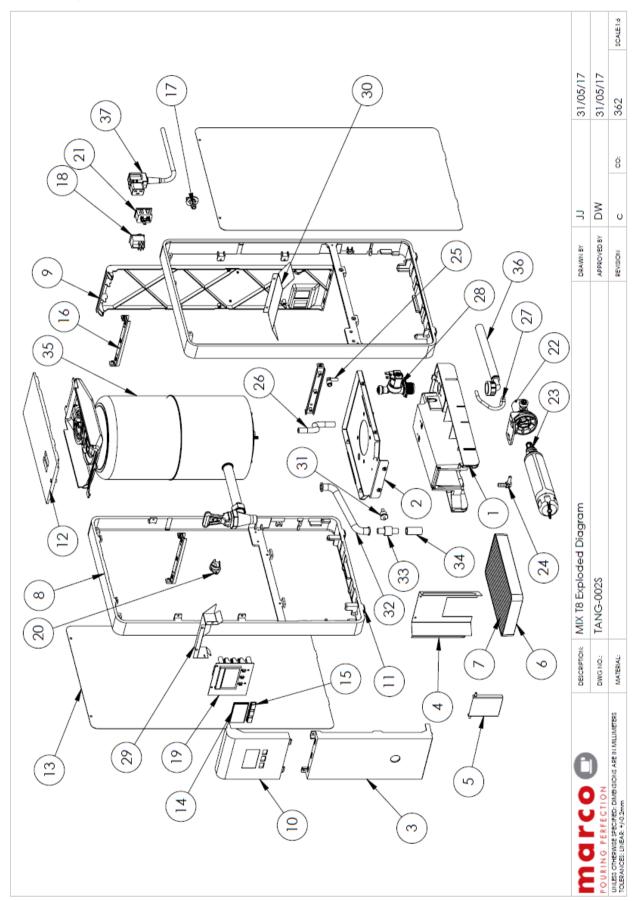




| Name Decomposition Vacuum Tank 3L Spigot Stub Threaded 26mm Nix Vacuum Tank Lid Mix Tank Gasket Mix Tank Gasket LOCKNUT 1/4" BSP BRASS Mix Element 3L Mix Element 3L Mix Element 3L Mix Element 3L Mix Element 3L Mix Level Probe Grommet Mix Level Probe Grommet Probe High Level - Mix Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M016r I20V Valve Dispense Solenoid Plug M016r Ibermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel Mix Descale Funnel | PART NI INARER | | | OTV | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|----------------------|------|-----|-------|----------|--|
| Vacuum Tank 3L Spigot Stub Threaded 26mm Mix Vacuum Tank Lid Mix Tank Gasket Mix Tank Gasket Mix Tenk Gasket Mix Tenk Gasket Mix Element 3L Mix Level Probe Grommet Probe High Level - Mix Probe High Level - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Muller Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descole Funnel Rund | | | | | | | | |
| Spigot Stub Threaded 26mm Mix Vacuum Tank Lid Mix Tank Gasket LOCKNUT 1/4" BSP BRASS Mix Tank Gasket LOCKNUT 1/4" BSP BRASS Mix Element 3L Nix Element 3L Mix Element 3L Mix Element 3L Mix Element 3L Mix Element 3L Mix Level Probe Grommet Mix Probe High Level - Mix Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Mix Descole Solenoid Plug M00849 Probe Low Level 3L Tank - Mix Mix Descole Funnel Mix Descole Funnel Mix Descole Funnel Mix | 2300731 | Vacuum Tank 3L | | 1 | | | | |
| Mix Vacuum Tank Lid Mix Vacuum Tank Lid Mix Tank Gasket Mix Element 3L LOCKNUT 1/4" BSP BRASS Mix Element 3L Mix Element 3L Nix Element 3L Mix Element 3L Nix Element 3L Mix Element 3L Nix Element 3L Mix Level Probe Grommet Probe High Level - Mix Probe High Level - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller I20V Valve Dispense Solenoid Ibermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel Mix Descale Funnel | 1401902 | Spigot Stub Threaded | 26mm | _ | | | | |
| Mix Tank Gasket LOCKNUT 1/4" BSP BRASS LOCKNUT 1/4" BSP BRASS Mix Element 3L Mix Element 3L Mix Element 3L Mix Level Probe Grommet Probe High Level - Mix Probe High Level - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Muller Lefmistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel Mix Descale Funnel Mix Descale Funnel | 1860319 | Mix Vacuum Tank Lid | | _ | | | | |
| LOCKNUT 1/4" BSP BRASS Mix Element 3L Mix Element 3L Mix Element 3L Mix Level Probe Grommet Mix Level Probe Grommet Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel | 1860310 | Mix Tank Gasket | | _ | | | | |
| Mix Element 3L Mix Element 3L 120V Mix Element 3L 120V Silicone Washer 21x12x4mm Mix Level Probe Grommet Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel | 1401000 | LOCKNUT 1/4" BSP BR/ | ASS | 2 | | | | |
| Mix Element 3L 120V Silicone Washer 21x12x4mm Silicone Washer 21x12x4mm Mix Level Probe Grommet Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel Mix Descale Funnel | 1500991 | Mix Element 3L | | _ | | | | |
| Silicone Washer 21x12x4mm Mix Level Probe Grommet Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel | 1500993 | Mix Element 3L 120V | | _ | | | | |
| Mix Level Probe Grommet Probe High Level - Mix Probe Overflow - Mix Probe Low Level 3L Tank - Mix Probe Low Level 3L Tank - Mix Valve Dispense Solenoid Plug M00849 Valve Dispense Solenoid Muller 120V Valve Dispense Solenoid Muller Thermistor Assembly Mix 3L Jet Basket Syphon Mix Descale Funnel | 1801375 | Silicone Washer 21x12 | 2x4mm | 2 | | | | |
| | 1860326 | Mix Level Probe Grom | imet | 2 | | | | |
| | 2300455 | Probe High Level - Mi | | - | | | | |
| | 2300458 | Probe Overflow - Mix | | _ | | | | |
| | 2300456 | Probe Low Level 3L Tc | ank - Mix | - | | | | |
| | 1502147 | Valve Dispense Solen | oid Plug M00849 | - | | | | |
| | 1502148 | Valve Dispense Solen | oid Muller | - | | | | |
| | 1502167 | 120V Valve Dispense | Solenoid | _ | | | | |
| | 1600693 | Thermistor Assembly N | Aix 3L | - | | | | |
| | 1800672 | Jet Basket Syphon | | - | | | | |
| | 1860338 | Mix Descale Funnel | | _ | | | | |
| | 1860339 | Mix Descale Funnel Bung | Bun | _ | | | | |
| 1401760 Screw M4 X 10mm Pozi Pan S/S 3 | 1401760 | Screw M4 X 10mm Po | | e | | | | |
| | C | DESCRIPTION: | Mix PB3 Exploded Dia | gram | DRA | ~ | 09/07/19 | |
| | POURING PERFECTION | DWG NO.: | TANG-001S | | APP | × | 30/05/17 | |
| DESCRPTION: Mix PB3 Exploded Diagram DRAWN BY DWG NO.: TANG-001S APPROVED BY | | | | | | - | | |

11.1 Mix PB3 parts (cont.)





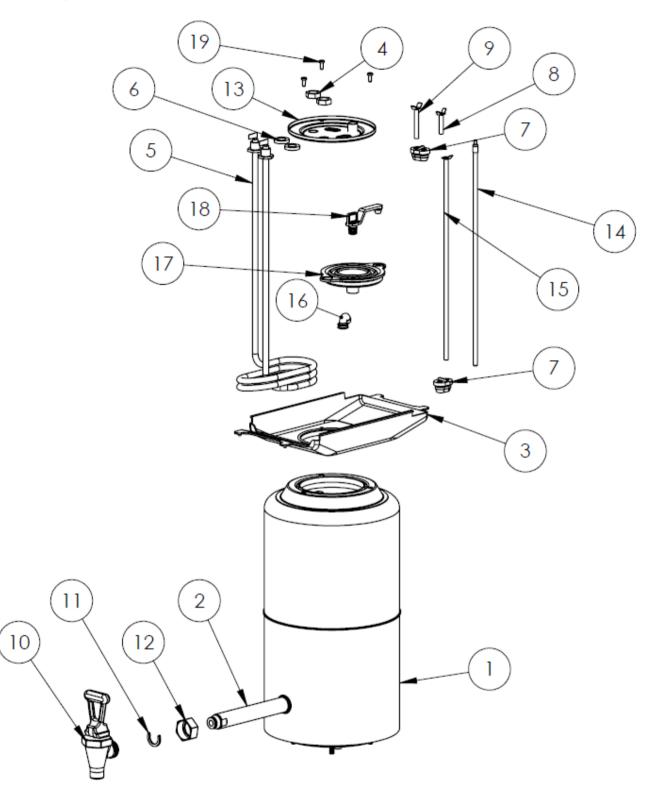


| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | | | |
|-------------------|-----------------------------------------------------------|----------------------------------------|-------|----------------|----------|----------|
| - | 1860300 | Mix Base | _ | | | |
| 2 | 1860316 | Mix Tank Support Assy | _ | | | |
| e | 1860312 | Mix Fascia Middle 18 | | | | |
| 4 | 1860322 | Mix Cup Well | 1 | | | |
| 5 | 1860323 | Mix Filter Access Door Assy | - | | | |
| 9 | 1860301 | Mix Drip Tray | - | | | |
| 2 | 1860303 | Mix Drip Tray Insert | - | | | |
| 80 | 1860321 | Mix Side BL | 2 | | | |
| 6 | 1860313 | Mix Rear 18 | 1 | | | |
| 10 | 1860304 | Mix Fascia Upper | 1 | | | |
| 11 | 1860307 | Mix Rubber Foot | 4 | | | |
| 12 | 1860302 | Mix Top Lid | _ | | | |
| 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 | _ | | | |
| 18 | 1501216 | Dual Pole Rocker Switch | | | | |
| 19 | 1600387 | PCB Control Mix | _ | | | |
| 20 | 1600455 | Triac ST-BIA25 | | | | |
| 21 | 1501156 | Socket IEC C20 | | | | |
| 22 | 8000422 | Filter Head 3M AP2 | - | | | |
| 23 | 8000421 | Filter Cartridge 3M AP2-C402-SG | - | | | |
| 24 | 1400771 | 5 | 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 | - | | | |
| 80 | 1860343 | Mix Deflector Shield - Rear | | | | |
| 31 | 1502073 | Thermal Switch M4 stud 95oC Mix | 1 | | | |
| 32 | 1800696 | Hose Vent Mix | - | | | |
| 33 | 1502072 | Thermal Switch Mount Brass | 1 | | | |
| 34 | 1800620 | Silicone Hose - 12mm ID x 17mm OD | 35mm | | | |
| 35 | • | Mix Vacc Tank 8L Assembly | | | | |
| 76 | 1800690 | Hose Water Inlet 3/4" WRC | | | | |
| 00 | 1800692 | Hose Water Inlet 3/8 NPT | - | | | |
| | 1501489 | Cord set IEC C19 BS1363 UK | 1 | | | |
| 37 | 1501488 | Cord set IEC C19 CEE7 EU | 1 | | | |
| | 1501487 | Cord set IEC C19 NEMA L6-20P US | - | | | |
| | | DESCRIPTION: MIX T8 Exploded Diagram | | DRAWN BY JJ | 31/05/17 | |
| - Z | | DWGNO: TANG-002S | | APPROVED BY DW | 31/05/17 | |
| UNLESS OTHERWISE | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | LUMETERS | | | 0/6 | |
| TOLERANCES: LINEA | R: +/-0.2mm | | | | 700 | X-ALE 10 |





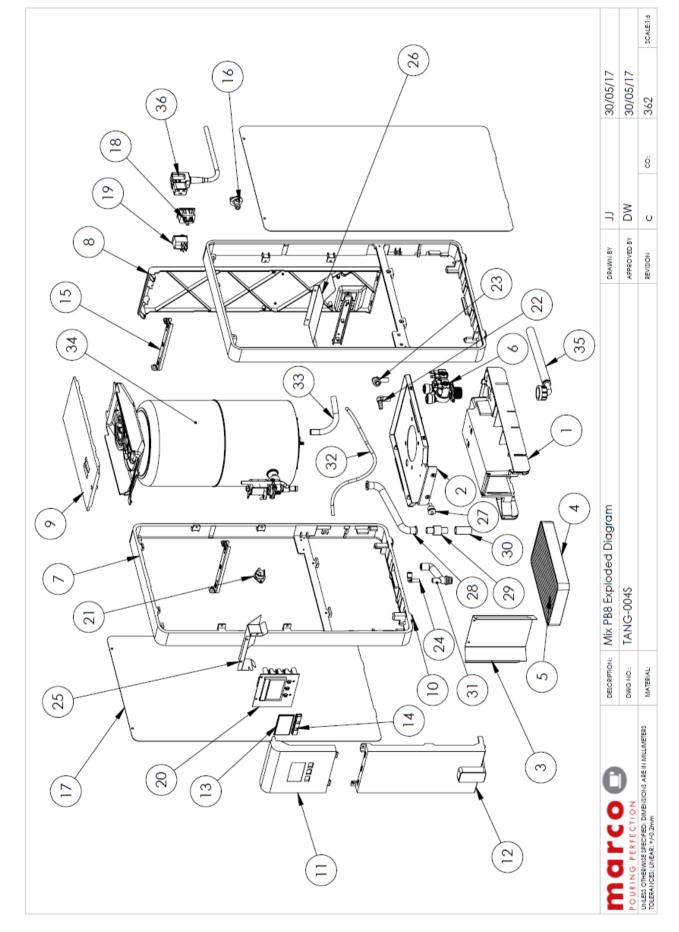
11.2 Mix T8 parts (cont.)





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

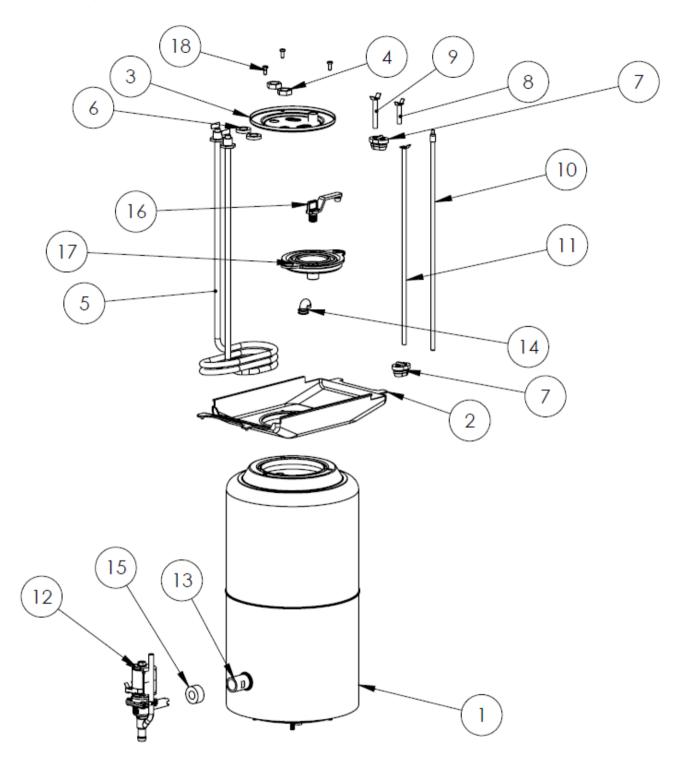


| 1 1860324 2 1860316 | 1 | | | | | |
|-----------------------------------------------------------|-------------------------------------------|-------|-------------|---------|----------|---------|
| - | Mix Base - no Filter | _ | | | | |
| | Mix Tank Support Assy | - | | | | |
| 3 1860315 | Mix Cup Well - No Filter | - | | | | |
| 4 1860301 | Mix Drip Tray | | | | | |
| 5 1860303 | Mix Drip Tray Insert | - | | | | |
| 6 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | - | | | | |
| | Mix Side 8L | 2 | | | | |
| 8 1860313 | Mix Rear T8 | - | | | | |
| 9 1860302 | Mix Top Lid | - | | | | |
| 10 1860307 | Mix Rubber Foot | 4 | | | | |
| 11 1860304 | Mix Fascia Upper | _ | | | | |
| 12 1860330 | Mix Fascia Middle PB8 | - | | | | |
| | | - | | | | |
| | Mix Button | m | | | | |
| | Mix Brace Assy | 3 | | | | |
| 16 1860337 | Mix Drain Plug | - | | | | |
| 17 1860320 | Mix Side Panel T8 | 2 | | | | |
| 18 1501156 | | | | | | |
| 19 1501216 | Dual Pole Rocker Switch | - | | | | |
| | ě. | - | | | | |
| | Triac ST-BIA25 | - | | | | |
| | | - | | | | |
| | - 1 | - | | | | |
| 24 1400816 | Elbow Push Fit 1/4" - 1/4" - ATEU 0404 | - | | | | |
| | Mix Deflector Shield - Front | - | | | | |
| | Mix Deflector Shield - Rear | - | | | | |
| 27 1502073 | Thermal Switch M4 stud 95oC Mix | - | | | | |
| 28 1800696 | Hose Vent Mix | 1 | | | | |
| 29 1502072 | Thermal Switch Mount Brass | - | | | | |
| 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 BL Assembly | - | | | | |
| 3E 1800690 | Hose Water Inlet 3/4" WRC | - | | | | |
| 30 1800692 | Hose Water Inlet 3/8 NPT | | | | | |
| 1501489 | Cord set IEC C19 BS1363 UK | | | | | |
| 36 1501488 | Cord set IEC C19 CEE7 EU | - | | | | |
| 1501487 | Cord set IEC C19 NEMA L6-20P US | - | | | | |
| | DESCRIPTION: Mix PB8 Exploded Diagram | | DRAWN BY | ſſ | 30/05/17 | |
| NO PERF | DWG NO: TANG-0045 | | APPROVED BY | DW | 30/05/17 | |
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | MATERAL: | | BVRICH | CO C | 340 | CALP1-K |

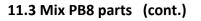




11.3 Mix PB8 parts (cont.)



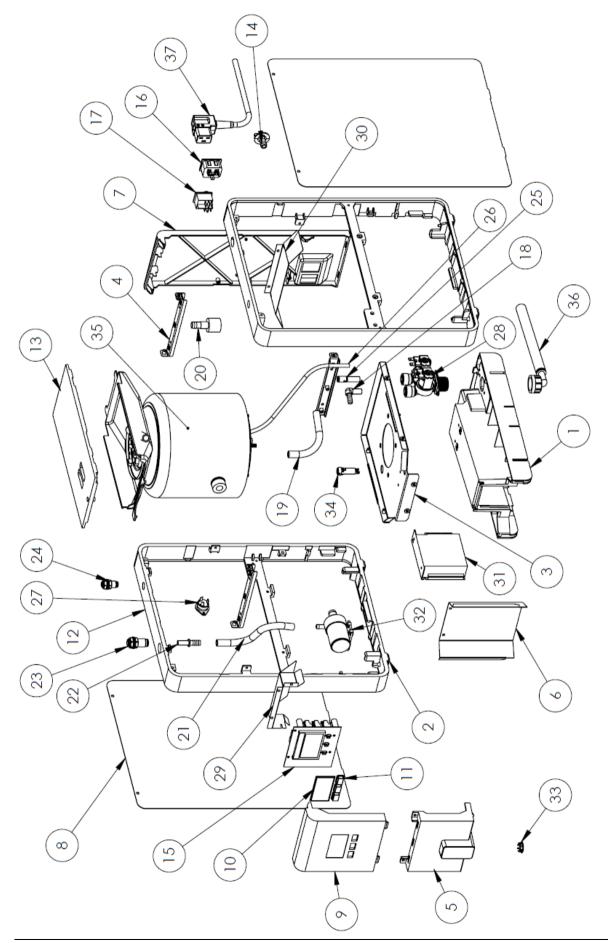
| | 3L | et 1 | ink Lid 1 | 3SP BRASS 2 | | 8L, 120v 1.5kW element 1 | Silicone Washer 21x12x4mm 2 | Mix Level Probe Grommet 2 | / - Mix 1 | el - Mix 1 | Thermistor Assembly Mix 8L 1 | Probe Low Level 8L Tank - Mix 1 | Valve Dispense Solenoid Muller 1 | solenoid 1 | eaded 26mm 1 | l lot | Valve Dispense Solenoid Plug M00849 1 | Mix Descale Funnel Bung 1 | nnel 1 | Screw M4 X 10mm Pozi Pan S/S 3 |
|---|----------------|------------------|---------------------|---------------------|-----------------------|--------------------------|-----------------------------|---------------------------|----------------------|------------------------|------------------------------|---------------------------------|----------------------------------|------------------------|----------------------|-------------------|---------------------------------------|---------------------------|---------------------------|--------------------------------|
|) | Vacuum Tank 8L | Mix Tank Gasket | Mix Vacuum Tank Lid | OCKNUT 1/4" BSP BRA | nent 8L | / 1.5kW ∈ | Washer | el Probe | Probe Overflow - Mix | Probe High Level - Mix | tor Assen | ow Leve | Dispense | 120v dispense solenoid | Spigot Stub Threaded | Jet Basket Syphon | Dispense | scale Fur | Mix Descale Funnel | 44 X 10m |
| | 2300732 Vacuun | 1860310 Mix Tank | 1860319 Mix Vac | 1401000 LOCKNL | 500992 Mix Element 8L | | 1801375 Silicone | 1860326 Mix Leve | 2300458 Probe C | 2300455 Probe H | 1 600694 Thermist | 2300457 Probe Lo | 1502148 Valve D | 1502167 120v dis | 1401902 Spigot S | 1800672 Jet Bask | 1502147 Valve D | 1860339 Mix Des | 1860338 Mix Des | 1401760 Screw N |
| | 1 23 | | 3 18 | 4 14 | E 15 | | 6 18 | 7 18 | 8 | 9 23 | 10 16 | 11 23 | 10 15 | | 13 14 | 14 18 | 15 15 | 16 18 | 17 18 | 18 14 |







11.4 Mix UC3 parts



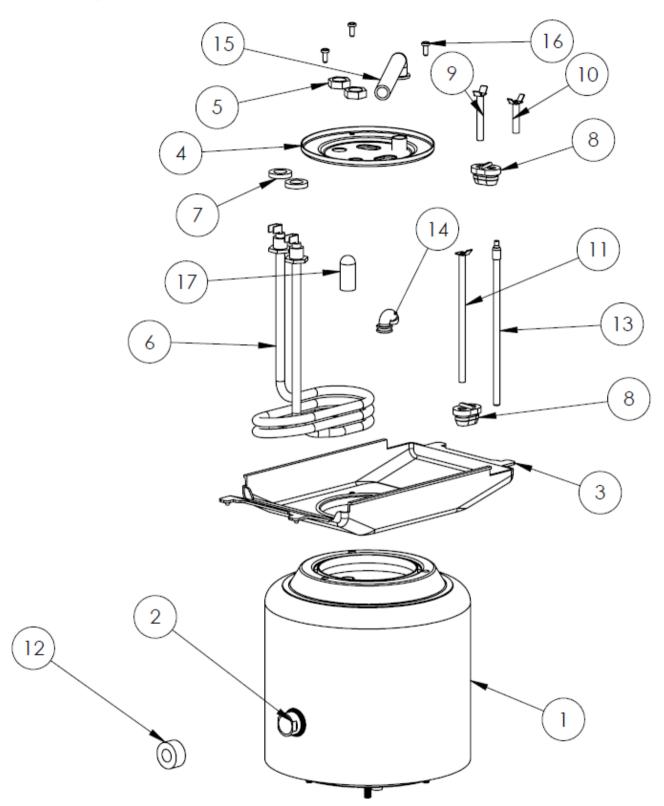
| ITEM NO. | PART NUMBER | | DESCRIPTION | QTY. | ITEM NO. | PART NUMBER | DESCRIPTION | N | QTY. |
|------------------|---------------------------------------|--------------------------------|---------------------------------|------------|----------|-------------|----------------------------|----------------------------------|-----------|
| - | 1860324 | Mix Base - no Filter | er | 1 | | 1501489 | Cord set IEC C19 BS1363 UK | 319 BS1363 UK | _ |
| 2 | 1860307 | Mix Rubber Foot | | 4 | | 1501488 | Cord set IEC C19 CEE7 | CI9 CEE7 EU | - |
| m | 1860316 | Mix Tank Support Assy | t Assy | _ | gç | 1501487 | Cord set IEC C | | _ |
| 4 | 1860317 | Mix Brace Assv | | ę | 3 | | Power cord IE | Power cord IEC C19 to NEMA 5-15. | - |
| - v; | 1860341 | Mix Fascia Middle 1103 | e IIC3 | | | 1501506 | 15A/125V Ratina 120V | na 120V | _ |
| 0~0 | 1860315 | Mix Cup Well - No Filter | o Filter | | | | | | |
| 2 | 1860309 | Mix Roor Ponel PB3 | 183 | | | | | | |
| . œ | 1860.318 | Mix Side Panel PB3 | R3 | - ~ | | | | | |
| 0 | 1860304 | Mix Fascia Unner | | 1- | | | | | |
| 10 | 1860306 | Mix Clear Screen | | | | | | | |
| | 1860305 | Mix Button | _ | - m | | | | | |
| 12 | 1860340 | Mix Side LIC3 | | | | | | | |
| 1.0 | 1860302 | Mix Top Lid | | <u>ا</u> ا | | | | | |
| | 1860337 | | | | | | | | |
| ± | 1 (00007 | | | | | | | | |
| 15 | 1 60038/ | PCB Control MIX | | | | | | | |
| 71 | 1501152 | | 1200 | | | | | | |
| 170 | 1501012 | DUCKET IEC CZU | r 0.1.14.0b | | | | | | |
| | 0171001 | | ST SWIICH | | | | | | |
| | 1000/12 | | | - | | | | | |
| 2 | 1400170 | | | | | | | | |
| 70 | 1402162 | I allplece Hose Elbow 1/4 | — F | _ | | | | | |
| 21 | 1402160 | Tailpiece Hose 1/4" Bsp X | /4" Bsp X 12mm | _ | | | | | |
| 22 | 1800630 | Silicone Hose 8m | Silicone Hose 8mm ID x 12mm OD | 200mm | | | | | |
| 23 | 1400773 | Barbed Connector - ATBC | tor - ATBC 0605 | - | | | | | |
| 24 | 1400437 | Bulkhead Conne | Bulkhead Connector 8mm (Legris) | - | | | | | |
| 25 | 1400436 | Bulkhead Connector 1/4" | \sim | - | | | | | |
| 26 | 1401658 | Reducer Connector 3/8" | ctor 3/8" - 1/4" - ARD 0406 | - | | | | | |
| 27 | 1800637 | Hose LDPE - 1/4" | | 350mm | | | | | |
| 28 | 1600455 | Triac ST-BTA25 | | | | | | | |
| ç | 1502193 | Valve Inlet Solenoid Dual | noid Dual - 3/8" Push Fit | - | | | | | |
| 77 | 1502197 | 120 dual inlet solenoid 3/8" | lenoid 3/8" push fit | - | | | | | |
| 90 | 1860342 | Mix Deflector Shield - Front | iield - Front | _ | | | | | |
| 31 | 1860343 | Mix Deflector Shield - Rea | nield - Rear | - | | | | | |
| 32 | 1 60 1 000 | Power Supply 24V Dc | 1V Dc | - | | | | | |
| 33 | 1501559 | Pump Topsflo 24V DC | IV DC | - | | | | | |
| 34 | 1401449 | Plug Blanking Metal - 7604 | etal - 7604 | 1 | | | | | |
| 35 | 1501121 | Fuse Holder Snap Fit | o Fit | - | | | | | |
| 36 | - | Mix Vacc Tank 3L | st Assembly | - | | | | | |
| | 1800690 | Hose Water Inlet 3/4" WRC | * 3/4" WRC | | | | | | |
| 37 | 1800692 | Hose Water Inlet 3/8 NPT | 1 3/8 NPT | - | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | DESCRIPTION: | Mix UC3 Exploded Diagram | | | DRAWNBY | رر ۲ | 30/05/17 | |
| POURING | POURING PERFECTION | DWG NO.: | TANG-003S | | | APPROVED BY | DW | 30/05/17 | |
| UNLESS OTHERWIS | E SPECIFIED; DIMENSIONS ARE IN MILLIN | | | | | | - | | |
| TOLERANCES: LINE | TOLERANCES: LINEAR: +/-0.2mm | MATERIAL: | | | | REVISION | Ω | co: 362 | SCALE:1:6 |
| | | | | | | | | | |

11.4 Mix UC3 parts (cont.)





11.4 Mix UC3 parts (cont.)



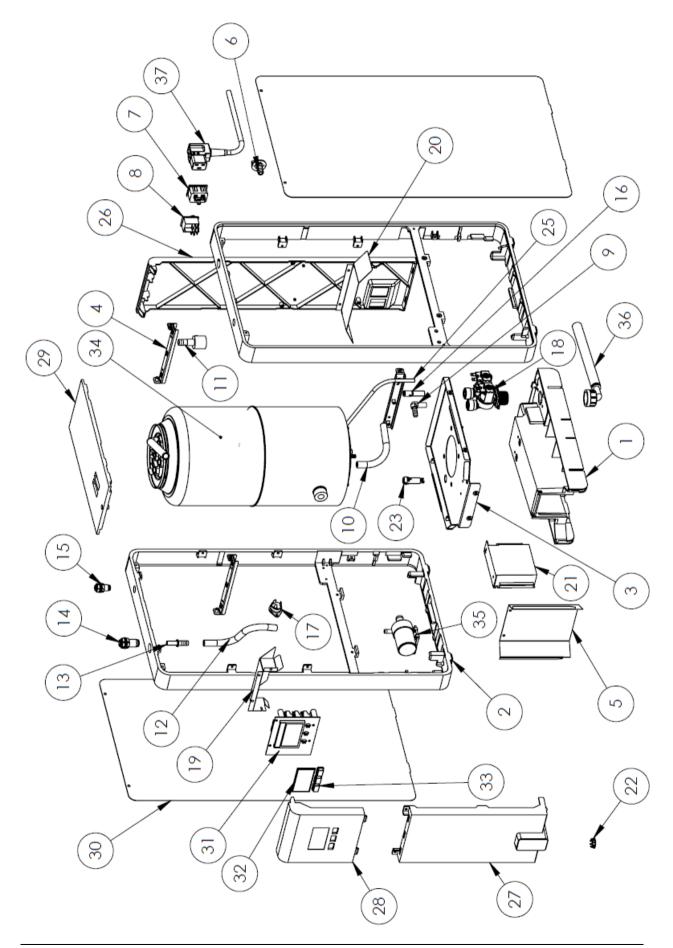
| | | | | | | | | | | | | | | | | | | | 30/05/17 | |
|---|----------------|------------------------------------|-----------------|---------------------|------------------------|----------------|---------------------|---------------------------|-------------------------|------------------------|----------------------|-------------------------------|----------------------------|----------------------------|-------------------|------------------|------------------------------|------------------|--------------------------|--|
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | ſſ | |
| | | | | | | | | | | | | | | | | | | | DRAWN BY | |
| 5 | 1 | - | - | | 2 | | | 2 | 2 | | - | | | | - | - | 3 | - | E | |
| | | Spigot Stub Threaded 20mm for pump | | | SS | | | (4mm | met | | | nk - Mix | id Plug M00849 | ix 3L | | | i Pan S/S | | Mix UC3 Exploded Diagram | |
| | ik 3L | hreaded | sket | Mix Vacuum Tank Lid | LOCKNUT 1/4" BSP BRASS | 3L | 3L 120V | Silicone Washer 21x12x4mm | Mix Level Probe Grommet | Probe High Level - Mix | Probe Overflow - Mix | Probe Low Level 3L Tank - Mix | Valve Dispense Solenoid PI | Thermistor Assembly Mix 3L | /phon | lix UC | Screw M4 X 10mm Pozi Pan S/S | ure | DESCRIPTION: MIX | |
| | Vacuum Tank 3L | ot Stub T | Mix Tank Gasket | Vacuum | KNUT 1/2 | Mix Element 3L | Mix Element 3L 120V | one Was | Level Pro | oe High L | oe Overfl | be Low Le | /e Disper | mistor As | Jet Basket Syphon | Hose Vent Mix UC | w M4 X | Silicone Closure | DESC | |
| | Λας | Spig | Mix | Mix | LOC | Mix | Mix | Silic | Mix | Prot | Prok | Prot | Valv | Ther | Jet | Hos | Scre | Silico | ſ | |
| | 2300731 | 1401904 | 1860310 | 1860319 | 1401000 | 1500991 | 1500993 | 1801375 | 1860326 | 2300455 | 2300458 | 2300456 | 1502147 | 1600693 | 1800672 | 1800695 | 1401760 | 1800668 | | |
| | 1 | 2 | З | 4 | 5 | | 0 | 7 | ω | 6 | 10 | = | 12 | 13 | 14 | 15 | 16 | 17 | | |

11.4 Mix UC3 parts (cont.)





11.5 Mix UC8 parts (cont.)



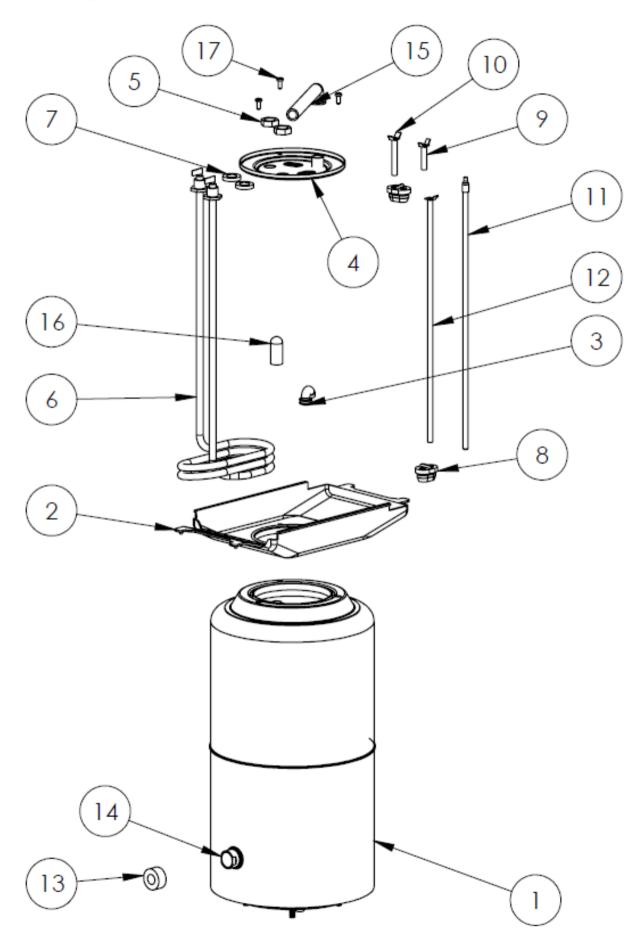
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | - | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------|-------------------------------------------|-------|----|---------|----------------|---------------------|---|
| Rubber Fool 1 38 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501455 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501485 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 1501585 15015 | | 1860324 | Mix Base - no Filter | 1 | | 1501489 | Cord set IEC (| C19 BS1363 UK | _ |
| Tenk Support Assy 1 38 1501487 1 Rescio Molello UC3 1 38 1501487 1 Rescio Molello UC3 Cuo well-No Filter 1 1 1501506 1 Rescio Upper 1 Rescio Upper 1 1 1501506 1 Rescio Upper 1 Rescio Upper 1 1 1 1 Rescio Upper 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2 | 1860307 | Mix Rubber Foot | 4 | | 1501488 | Cord set IEC (| C19 CEE7 EU | _ |
| Bocce Asy/ Coordination 3 1 10016 1 Evaluation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | e | 1860316 | Mix Tank Support Assy | 1 | 38 | 1501487 | Cord set IEC (| C19 NEMA L6-20P US | _ |
| Factor Middle UC3 1 1501506 Cuto Middle UC3 1 1 Side Ponel PB3 2 1 Clear Screen 3 2 Button 3 2 Dot UC3 2 1 Dot UC3 2 2 Scontrol Mix 1 1 Drotin Plug 1 1 Drotin Mix 1 1 Drotin Plug | 4 | 1860317 | Mix Brace Assy | e |) | | Power cord IE | C C19 to NEMA 5-15, | - |
| Cuto Weil-No Filter 1 State Frund FR3 1 State Frund FR3 1 Fascio Ubber 1 Button 3 Button 3 Button 1 Data Name Obset 1 Data Name Obset 200mm Button Nit20v 1 Button Nit20v 1 Button Nit20v 200mm Button Nit20v 1 Button Nit20v 1 Button Nit20v 200mm Button Nit20v 200mm </td <td>5</td> <td>1860341</td> <td>Mix Fascia Middle UC3</td> <td>l</td> <td></td> <td>1501506</td> <td>15A/125V Rat</td> <td>ing 120V</td> <td>-</td> | 5 | 1860341 | Mix Fascia Middle UC3 | l | | 1501506 | 15A/125V Rat | ing 120V | - |
| Rear Ponel PB3 1 Stafe Pronel PB3 2 Fiscie Uupper 1 Clear Screene 3 Fiscie Uupper 3 State Pronel PB3 2 Fiscie Uupper 1 Clear Screene 3 State Pronel PB3 1 Clear Screene 1 Clear Screene 1 State Pronel PB4 1 Drain Plug 1 State PLC C20 1 State PLC C20 1 State PLC C20 1 State PLC C20 1 Bread Connector Attra DOD 200mm Defece Hose JV4" B5p X 12mm 1 Defece Hose PV4" B5p X 12mm 1 Defece H | 9 | 1860315 | Mix Cup Well - No Filter | - | | | | | |
| State Fortier IB3 2 Fisciol Upber 1 Clear Scient 1 Doul ud 1 Droul ud 1 Droue Connector NH 1 | 7 | 1860309 | Mix Rear Panel PB3 | - | | | | | |
| Tested Ubber 1 Clear Sizeten 1 Burtan 3 Suide UC3 2 Drain Plug 1 Drain Plug 200mm Drain Plug 200mm Drain Plug 1 | 8 | 1860318 | Mix Side Panel PB3 | 2 | | | | | |
| Clear Screeh 1 Button 3 Button 3 Stell Ucl 1 Tob Lid 1 Droughton 1 Scan Pluyon 1 Droughton 1 Scan Pluyon 1 Droughton 1 Scan Pluyon 1 Droughton 1 Scan Ploye 1 Scan Ploye 200mm Scan Ploye 200mm Scan Ploye 200mm Diece Hose Bimm Ux !2mm OD 1 Diece Hose Bimm UX !2mm OD 200mm Diece Hose Bimm UX !2mm OD 1 Diece Hose I/4 "Boy ?2mm 1 Diece Hose Bimm UX !2mm OD 1 Diece Hose Bimm UX !2mm OD 1 Diece Hose I/4 "Boy ?2mm Hig | 6 | 1860304 | Mix Fascia Upper | 1 | | | | | |
| Button 33 Button 1 Stell UC3 2 To Di Lid 1 Control Mix 1 Stell UC3 1 Stell UC3 1 Control Mix 1 Stell UC3 1 Stell UC3 1 Stell UC3 1 Stell UC3 200mu Plei Rocker witch 1 Stell EC 200 200mu Plei Rocker Switch 1 Stell EC 200 200mu Plei Rocker Switch 1 Diece Hose Blow 1/4" Bsp X 12mm 1 Diece Hose I/a" Bib X 12mm 1 Diece Hose I/a" Bib X 12mm 1 Diece Hose I/a" Bib X 12mm 200mu Diece Tomescion All 1 Diece Tomescion All 1 Diece Tomescion All 1/4"-RID 0.05 Stell Bib X3 30mu Diece Hose I/a" Bib X3 30mu Diece Hose I/a" Bib X3 30mu Diecerton Bib I/a" (legris) 1 <t< td=""><td>10</td><td>1860306</td><td>Mix Clear Screen</td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<> | 10 | 1860306 | Mix Clear Screen | - | | | | | |
| Isplet LC3 2 Isplet LC3 1 Defin Flug 1 Defin Flug 1 S Control Mix 200 Net Reback Connector - AIEB 06/5 1 Own Brebeck Six Film 1 Own Brebeck Six Film 1 Own Brebeck Six Film 1 Deficient Hose Brown 1/4" Six Film 200 Deficient Hose Brown 1/4" Six Film 1 Deficient Six Film 1 Deficient Six Film 1 Ducer Connector AFIL 350mm Ducer Connector AFIL 1 Ducer Connector AFIL <td>=</td> <td>1860305</td> <td>Mix Button</td> <td>e</td> <td></td> <td></td> <td></td> <td></td> <td></td> | = | 1860305 | Mix Button | e | | | | | |
| Tor. Indition Indidition <thindition< th=""> Indition</thindition<> | 12 | 1860340 | Mix Side UC3 | 2 | | | | | |
| Drain Plug 1 S Control Mix 12V/ S Control Mix 12V/ | 13 | 1860302 | Mix Top Lid | 1 | | | | | |
| S Control Mix 1 B Control Mix 1 B Control Mix 20V B Control Mix 1 D Elect EC 20 1 Oten Hose Barm D x 12mm OD 200mm D ene Boes Barm D x 12mm OD 200mm Diere Hose Blown //4* BSP Fem x 12mm 200mm Diece Hose Blown //4* BSP Fem x 12mm 200mm Diece Hose Blown //4* BSP Fem x 12mm 200mm Diece Hose Blown //4* BSP Fem x 12mm 200mm Diece Hose Blown //4* BSP Fem x 12mm 200mm Diece Hose Blown //4* BSP fem x 12mm 200mm Diece Hose Blown //4* BSP fem x 12mm 200mm Died Connector Alle Coding 1 Nead Connector Alle Coding 1 Aread Connector Alle Coding 1 Core Connector Alle Coding 1 Core Connector Alle Coding 1 Diefe | 14 | 1860337 | Mix Drain Plug | 1 | | | | | |
| B Control Mix 120V 1 B Control Mix 120V 1 CIP Recker Switch 1 D Polle Rocker Switch 1 On Polle Rocker Switch 1 One Hove Samu D X, 12mm OD 200mm piece Hose Brow 1/4" BSP X 12mm 1 Died Connector Alte D X 12mm OD 200mm piece Hose Brow 1/4" BSP X 12mm 1 cone Hose Brom ID X 12mm OD 200mm piece Hose Brom ID X 12mm OD 200mm Died Connector Alte Ool5 1 connector Brow 1/4" BSP X 12mm 1 connector Alter D X 12mm OD 200mm Died Connector Alter D X 12mm 1 Connector Brow 1/4" (Legis) 1 Uccer Connector 3/8" - 1/4" 350mm Uccer Connector 3/8" - 1/4" 350mm Outer Intel 3/8" Push fit 1 Uccer Connector 3/8" - 1/4" 1 Outer Intel 3/8" Push fit 1 Uccer Connector 3/8" - 1/4" 1 Outer Intel 3/8" Push fit 1 Outer Intel 3/8" Push fit 1 Deflector Shield - Feort | L 7 | 1600387 | PCB Control Mix | l | | | | | |
| are IEC C20 1 of Delace Koer Switch 1 ow Barbed Connector - ATEB 0605 1 ow Barbed Connector - ATEB 0605 200mm cire Hose Binm ID x 12mm OD 200mm piece Hose I/# Sp Fem x 12mm 1 piece Hose I/# Sp Y 12mm 200mm bed Connector - ATED 0605 11 bread Connector - ATED 0605 11 bread Connector 1/4" (Legis) 1 bread Connector 1/4" (Legis) 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" - ARD 0406 1 bread Connector 3/8" - 1/4" 3/8 montileter bread Connector 3/8" - 1/4" 1 bread Connector 3/8" - 1 | CI | 1 60039 1 | PCB Control Mix 120V | _ | | | | | |
| In Pole Rocker Switch 1 OW Barbed Connector - AFE0.605 1 OW Barbed Connector - AFE0.605 1 Dece Hose Bhow 1/4" BSP Fem x 12mm 200mm Diece Hose Bhow 1/4" BSP Fem x 12mm 200mm Diece Hose Bhow 1/4" BSP Fem x 12mm 200mm Diece Hose Bhow 1/4" BSP Fem x 12mm 1 Diece Hose Bhow 1/4" BSP Fem x 12mm 200mm Diece Hose Bhow 1/4" BSP Fem x 12mm 200mm Diece Hose Bow 1/4" BSP X 12mm 200mm Diece Hose Bow 1/4" BSP X 12mm 200mm Diece Hose Bow 1/4" BSP X 12mm 1 Diece Hose Bow 1/4" BSP X 12mm 1 Diece Connector AFE 1 Affect Connector 1/4" (Legris) 1 Intead Connector 1/4" (Legris) 1 Affect Constrial Affect 1 D | 16 | 1501156 | Socket IEC C20 | 1 | | | | | |
| ow Barbeed Connector - ATEB 0605 1 cone Hose 8mm ID x 12mm OD 200mm plece Hose 1/4" Bsp X 12mm 1 piece Hose Bibow I/4" SP Fem x 12mm 1 piece Rose 1/4" Bsp X 12mm 200mm bed Connector - ATBC 0605 1 bed Connector - ATBC 0605 1 bred Connector - ATBC 0605 1 bread Connector 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Connector 3/8" - 1/4" - RD 0406 1 bread Control 1/4" Connector 1/4" 1 bread Connector 3/8" - 1/4" - RD 0406 1 coloral field - Front 1 < | 17 | 1501216 | Dual Pole Rocker Switch | 1 | | | | | |
| Some Hose 8mm ID x 12mm OD 200mm piece Hose Blow 1/4 BS Fem x 12mm 1 piece Hose 8mm ID x 12mm OD 200mm none Hose 8mm ID x 12mm OD 200mm bed Cornector Amm (Legis) 1 bread Connector All x Bo X 12mm OD 200mm bed Connector All x 14" - SRD 0405 1 bread Connector 38" - 1/4" - RRD 0406 1 bed Connector 38" - 1/4" - RRD 0406 1 bed Connector 38" - 1/4" 1 bed Connector 38" - 1/4" 1 bed Connector 38" - 1/4" 1 be LDPE - 1/4" 1 be LDPE - 1/4" 1 c S1B1A25 1 versupply 24V DC 1 Deflector Shield - Front 1 | 18 | 1400772 | Elbow Barbed Connector - ATEB 0605 | 1 | | | | | |
| piece Hose Elbow 1/4" BSP Fem x 12mm 1 piece Hose IJ4" Bsp X 12mm 1 corne Hose 8mm ID x 12mm OD 200mm cone For Simil (Legris) 1 chead Connector 1/4" (Legris) 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer for any 24V Dc 1 mer Supply 24V Dc 1 mer Topsfilo 24V DC 1 mer Supply 24V Dc 1 mer Supply 24V DC | 19 | 1800630 | - | 200mm | | | | | |
| piece Hose 1/4" Bsp X 12mm 1 core Hose 8mm D x 12mm OD 200mm bed Connector - AIBC 0605 1 bread Connector - AIBC 0605 1 bread Connector - AIBC 0605 1 knead Connector 1/4" (Legris) 1 bread Connector 1/4" 350mm bread Connector 1/4" 350mm condimine solenoid 3/8" push fit 1 bread Connector 3/8" - 1/4" 350mm cold infel solenoid 3/8" push fit 1 benetor Shield - Front 1 c S1-BIA25 1 ver bulpt Solenoid 3/8" push fit 1 c S1-BIA25 1 beflector Shield - Front 1 c S1-BIA25 1 c beflector Shield - Front 1 ver Supply 24V Dc 1 wer Supply 24V Dc 1 wer Suppiot 24V DC | 20 | 1402162 | | - | | | | | |
| cone Hose 8mm ID x 12mm OD 200mm bed Connector - AIBC 0605 1 bed Connector 3/8* 1/4* 1 thead Connector 3/8* 1/4* 1 thead Connector 3/8* 1/4* 350mm ducer Connector 3/8* 1/4* 1 c ST-BTA25 1 Value IS Solenoid Joul - 3/8* Push Fith 1 Value IS Solenoid 3/8* push fith 1 to beflector Shield - Front 1 ver Supply 24V Dc 1 wer Supply 24V Dc 1 wer Supply 24V Dc 1 wer Supply 24V Dc 1 ver Supply 24V Dc 1 wer Supply 24V Dc | 21 | 1402160 | Tailpiece Hose 1/4" Bsp X 12mm | - | | | | | |
| bed Connector - ATBC 0605 1 thead Connector 8mm (Legris) 1 thread Connector 1/4" (Legris) 1 thread Connector 1/4" (Legris) 350mm thread Connector 3/8" - 1/4" 350mm thread Connector 3/8" Push Fit 1 thread Connector Shield - Front 1 thread Solenoid Judi 1 thread Solenoid Judi 1 thread Solenoid Judi 1 thread - Front 1 thread - Rout 1 thread - Zav DC 1 </td <td>22</td> <td>1800630</td> <td></td> <td>200mm</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 22 | 1800630 | | 200mm | | | | | |
| khead Connector 8mm (Legris) 1 thead Connector 1/4" (Legris) 1 ducer Connector 1/4" (Legris) 1 ducer Connector 1/4" (Legris) 350mm as LDFE - 1/4" 350mm se LDFE - 1/4" 350mm cer Shieldor Shieldor 3/8" Push Fit 1 1 dual inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet solenoid 3/8" push fit 1 1 0.0 al inlet 3/4" WRC 1 1 Vocc Tank 31 Assembly 1 2 1 2 2 1 2 2 1 2 3/4" WRC 1 2 1 2 1 2 <td>23</td> <td>1400773</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 23 | 1400773 | | - | | | | | |
| khead Connector 1/4" (Legris) 1 ducer Connector 3/8" - 1/4" - ARD 0406 1 ducer Connector 3/8" - 1/4" - ARD 0406 350mm es LDPE - 1/4" 350mm cs TaRA25 1 ven linet solenoid 3/8" push fit 1 ven supply 24V Dc 1 wer Supply 24V Dc 1 mp Topsflo 24V Dc 1 wer Supply 24V Dc 1 mp Topsflo 24V Dc 1 wer Supply 24V Dc 1 mp Topsflo 24V Dc 1 wer Supply 24V Dc 1 <td< td=""><td>24</td><td>1400437</td><td>Bulkhead Connector 8mm (Legris)</td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 24 | 1400437 | Bulkhead Connector 8mm (Legris) | | | | | | |
| Bucer Connector 3/8" - 1/4" - ARD 0406 1 ce LDPE - 1/4" 350mm cs LDPE - 1/4" 350mm cs TaRA25 1 cu DPE - 1/4" 350mm cs TarBA25 1 ver Intel Solenoid Jual - 3/8" Push Fith 1 ver Intel Solenoid Jag (Brush Fith 1 ver Supply 24V Dc 1 wer Supply 24V Dc 1 mp Topstlo 24V Dc 1 mp Vocc Tom 31 Arsembly 1 e Water Inlet 3/8 NPT 1 mode Inlet 3/8 NPT< | 25 | 1400436 | Bulkhead Connector 1/4" (Legris) | - | | | | | |
| se LDFE - 1/4" 350mm c ST-BTA25 1 c ST-BTA25 1 ve Inlet Solenoid 3/8" Push Fit 1 ve Inlet Solenoid 3/8" Push Fit 1 otadi inlet solenoid 3/8" Push Fit 1 ver Supply 24V DC 1 mp Topstio 24V DC 1 g Blanking Metal - 7604 1 g Blanking Metal - 7604 1 ver Supply 24V DC 1 g Blanking Metal - 7604 1 wer Supp X4W DC 1 g Blanking Metal - 7604 1 otager Inlet 3/4" WRC 1 se Water Inlet 3/4" WRC 1 se Wate | 26 | 1401658 | Reducer Connector 3/8" - 1/4" - ARD 0406 | _ | | | | | |
| CST-BTA25 1 ver Inlet Solenoid Dual - 3/8" push fit 1 ver Inlet Solenoid 3/8" push fit 1 0 dual inlet solenoid 3/8" push fit 1 0 dual inlet solenoid 3/8" push fit 1 x Deffector Shield - Front 1 x Deffector Shield - Front 1 x Deffector Shield - Front 1 x Deffector Shield - Rear 1 wer Supply 24V Dc 1 mp Topsfio 24V Dc 1 mp Topsfio 24V Dc 1 wer Supply 24V Dc 1 wer Supply 24V Dc 1 wer Supply 24V Dc 1 mp Topsfio 24V Dc 1 mp Topsfio 24V Dc 1 wer Supply 24V Dc 1 mp Topsfio 24V Dc 1 mp Topsfir 1 Vacc Tank 3L Assembly 1 e Water Inlet 3/4" WRC 1 se Water Inlet 3/4" WRC 1 mon not 1 Mon not 1 Mon not 1 <td< td=""><td>27</td><td>1800637</td><td></td><td>350mm</td><td></td><td></td><td></td><td></td><td></td></td<> | 27 | 1800637 | | 350mm | | | | | |
| ve Inlet Solenoid Dual - 3/8" Push Fit 1 0 dual inlet Solenoid 3/8" push fit 1 0 dual inlet solenoid 3/8" push fit 1 k Deffector Shield - Front 1 wer Supply 24V Dc 1 mp Topsflo 24V Dc 1 g Blanking Metal - 7604 1 re Holder Snap Fit 1 c Water Inlet 3/4" WRC 1 e Water Inlet 3/4" WRC 1 se Water Inlet 3/6 NPT 1 man No. 1 man No. 1 | 28 | 1600455 | Triac ST-BIA25 | _ | | | | | |
| Oduci inlet solenoid 3/8" push fit 1 A Deflector Shield - Front A Deflector Shield - Front A Deflector Shield - Front A Deflector Shield - Front A Deflector Shield - Rear A Deflector Shield - Front A Deflector Shield - Rear Mar Dopsflo 24V DC I mp Topsflo 24V DC I mp Topsflo 24V DC I log Blanking Metal - 7604 A Deflector Sheeter Inlet 3/4" WRC I log Sheeter Inlet 3/4" WRC I log Metal - 7604 I log Metal - 7604 I log Metal - 760 | 0 | 1502193 | Valve Inlet Solenoid Dual - 3/8" Push Fit | _ | | | | | |
| | 67. | 1502197 | 120 dual inlet solenoid 3/8" push fit | - | | | | | |
| K Deflector Shield - Rear 1 wer Supply 24V Dc 1 mp Topsflo 24V Dc 1 g Blanking Metal - 7604 1 g Blanking Metal - 7604 1 e Holder Snap Fit 1 e Vacc Tank 3L Assembly 1 e Water Inlet 3/4" WRC 1 i Se Water Inlet 3/4" WRC 1 bescentroni 1 bescentroni Mix UC3 Exploded Diagram bwc no: 1 | 30 | 1860342 | Mix Deflector Shield - Front | - | | | | | |
| wer Supply 24V Dc 1 mp Topsflo 24V DC 1 g Blanking Metal - 7604 1 g Holder Snap Fit 1 e Holder Snap Fit 1 e Water Inlet 3/4" WRC 1 Se Water Inlet 3/6 NPT 1 Se Water Inlet 3/6 NPT 1 Mater Inlet 3/6 NPT 1 | 31 | 1860343 | Mix Deflector Shield - Rear | 1 | | | | | |
| mp Topsfio 24V DC 1 g Blanking Metal - 7604 1 e Holder Snap Fit 1 e Water Inlet 3/4" WRC 1 Se Water Inlet 3/6 NPT 1 Se Water Inlet 3/8 NPT 1 Se Water Inlet 3/8 NPT 1 | 32 | 1 601000 | Power Supply 24V Dc | - | | | | | |
| gBlanking Metal - 7604 1 e Holder Snap Fit 1 e Vacc Tank 3L Assembly 1 Se Water Inlet 3/4" WRC 1 se Water Inlet 3/4" URC 1 Se Water Inlet 3/4" URC 1 Descentrolix 1 Image: Water Inlet 3/8 NPT 1 Descentrolix Mix UC3 Exploded Diagram Descentrolix Mix UC3 Exploded Diagram Dwa no: IANG-0035 | 33 | 1501559 | Pump Topsflo 24V DC | - | | | | | |
| e Holder Snap Fit 1 : Vacc Tank 3L Assembly 1 se Water Inlet 3/4" WRC 1 se Water Inlet 3/4" WRC 1 se Water Inlet 3/8 NPT 1 perver Inlet 3/8 NPT 1 | 34 | 1401449 | Plug Blanking Metal - 7604 | - | | | | | |
| Events 1 Se Water Inlet 3/4" WRC 1 Se Water Inlet 3/4" WRC 1 Se Water Inlet 3/4" WRC 1 Descentions Mix UC3 Exploded Diagram Descentions Mix UC3 Exploded Diagram Dwg No. TANG-0035 | 35 | 1501121 | Fuse Holder Snap Fit | _ | | | | | |
| Se Water Inlet 3/4" WRC 1 Se Water Inlet 3/8 NPT 1 Descretions 1 Descretions Mix UC3 Exploded Diagram DwG NO. TANG-003S | 36 | 1 | Mix Vacc Tank 3L Assembly | - | | | | | |
| Se Water Inlet 3/8 NPT 1 DESCRIPTION: Mix UC3 Exploded Diagram DWG NO.: ITANG-0035 | | 1800690 | Hose Water Inlet 3/4" WRC | _ | | | | | |
| DESCRIPTION: Mix UC3 Exploded Diagram DWG NO.: TANG-003S | 37 | 1800692 | Hose Water Inlet 3/8 NPT | 1 | | | | | |
| DESCRIPTION: Mix UC3 Exploded Diagram DWG NO.: TANG-0035 | | | | | | | | | |
| DESCRIPTION: Mix UC3 Exploded Diagram DRAWN BY JJ DWG NO.: TANG-0035 APPROVED BY DW | | | | | | | | | |
| DWG NO.: TANG-003S APPROVED BY DW | | C L | | | | DRAWN | | 30/05/17 | |
| | POURING | PERFECTION | TANG | | | APPROV | | 30/05/17 | |
| | INII ESS OTUEDIAL | (ISE EDECTEIED: DIAGENSIONS ADE IN MAIL | | | | | | | |

11.5 Mix UC8 parts (cont.)





11.5 Mix UC8 parts (cont.)



| - | _ | - | - | - | 2 | - | - | 2 | 2 | _ | - | - | - | _ | _ | - | 3 | - |
|---|----------------|------------------------------------|-----------------|---------------------|------------------------|----------------|---------------------|---------------------------|-----------------|------------------------|----------------------|-------------------------------|-------------------------------------|----------------------------|-------------------|------------------|----------------------|------------------|
| | | Spigot Stub Threaded 20mm for pump | | | 2 | L | 1 | | | | | - Mix 1 | Valve Dispense Solenoid Plug M00849 | 3L | | | Pan S/S 3 | |
| 3 | CL CL | eaded 20 | et | ank Lid | LOCKNUT 1/4" BSP BRASS | | 120V | Silicone Washer 21x12x4mm | e Grommet | rel - Mix | v - Mix | Probe Low Level 3L Tank - Mix | e Solenoid | Thermistor Assembly Mix 3L | nor | UC | | a) |
| | Vacuum Tank 3L | t Stub Thr | Mix Tank Gasket | Mix Vacuum Tank Lid | NUT 1/4" | Mix Element 3L | Mix Element 3L 120V | ie Washe | Mix Level Probe | Probe High Level - Mix | Probe Overflow - Mix | Low Lev | Dispense | iistor Asse | Jet Basket Syphon | Hose Vent Mix UC | Screw M4 X 10mm Pozi | Silicone Closure |
| | Vacu | Spigo | Mix Tc | Mix Vi | LOCK | Mix El | Mix El | Silicor | Mix Le | Probe | Probe | Probe | Valve | Therm | Jet Bc | Hose | Screw | Silicor |
| | 2300731 | 1401904 | 1860310 | 1860319 | 1401000 | 1 50099 1 | 1500993 | 1801375 | 1860326 | 2300455 | 2300458 | 2300456 | 1502147 | 1600693 | 1800672 | 1800695 | 1401760 | 1800668 |
| | - | 2 | 3 | 4 | 5 | 7 | D | 7 | 8 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

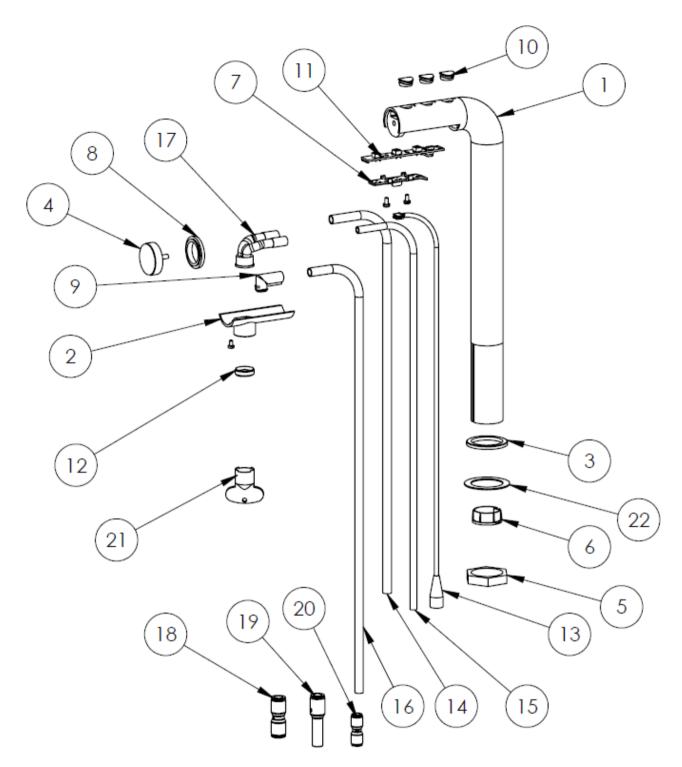


SCALE:1:6





11.6 Mix Font – 3 Button



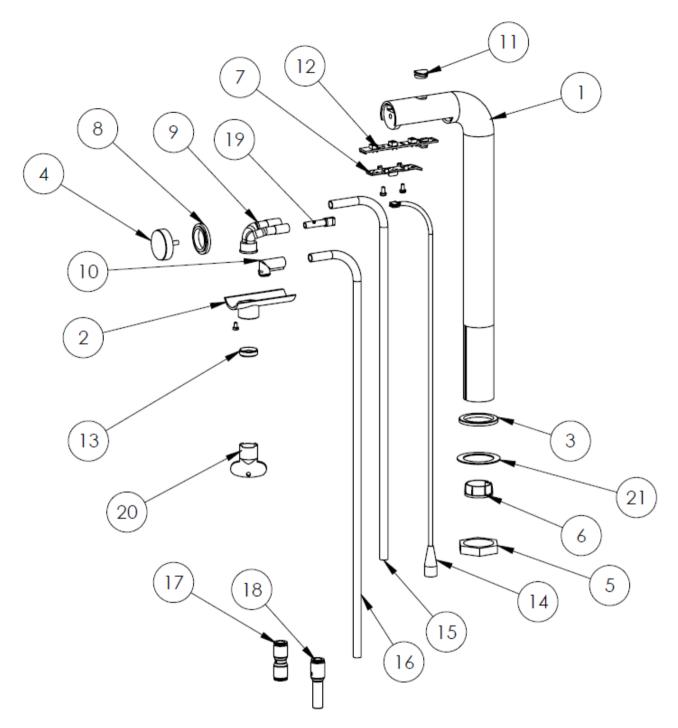


11.6 Mix Font – 3 Button (cont.)

| 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 |] |
| 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





| 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 |



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