

i-milk

i-milk V1 – Operating Manual

Please read thoroughly before use



Warranty

i-milk Pty Ltd warrants equipment sold against defects in parts other than consumables and workmanship for a period of twelve (12) months from the date of installation.

The warranty will be void if not installed in accordance with the directions from I-milk or if not used in accordance with the operating instructions in this manual.

i-milk recommend cleaning products which are proven to clean milk residues which may accumulate and stop your system operating. Failure to use a recommended cleaner will void this warranty.

Consumable Items included in the parts box are not covered by your warranty.

i-milk requires regular maintenance as detailed herein and failure to adhere to these recommendations will void the warranty.

Your warranty will also be voided if:

1. Milk pumps may be damaged due to running them dry for extended periods.
2. Freezing the milk lines or even the milk in the pumps may also cause damage to the pumps and this will also void the warranty. Ensure your refrigeration is correctly adjusted to a temperature between 1 – 5 C.

If a warranty claim is to be made, please contact your distributor for further information or **warranty@i-milk.com.au**

i-milk is manufactured in Sydney, Australia by i-milk Pty Ltd.

For all operating and service enquiries please contact your distributor or i-milk.

24 hour hotline number: +61 3 9877 3995

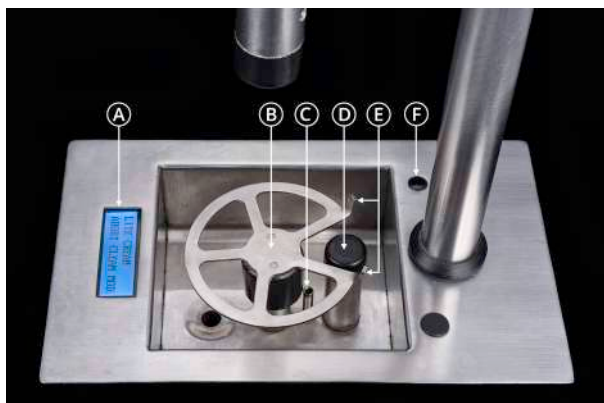
Email: service@i-milk.com.au

The machine is not for outdoor use.

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1 Familiarisation



Dispensing Head

This dispenses the milk and should be installed on a flat horizontal surface.

- A Display
- B Jug Rest
- C Jug Rinser
- D Metal Jug Sensor
- E Jug Rest Locating Fingers
- F Menu Scroll Selector (left or right hand)



Pump Box

This should be installed in a refrigerated environment, either floor or wall mounted. Installing in a non-refrigerated environment will void your warranty.

- A LITE IN
- B FULL IN
- C LITE OUT
- D FULL OUT
- E Pump Box Input



Communications Box (Front)

This must be installed in a dry, non-refrigerated environment, either floor or wall mounted and within easy access to the pouring head.

- A LCD Display Screen
- B ▲ - Menu Scroll Up
- C **OK** - Confirm Action
- D ▼ - Menu Scroll Down
- E ✕ - Exit/Escape button
- F i-milk ON/OFF



Communications Box (Rear)

At the rear of this is a standard 230 VAC 10amp power lead that can be plugged into a standard 3 pin power point. Also at the rear are 2 black cables – the thinner cable goes to the pump box – and the fatter cable goes to the dispensing head unit.

- A Pump Box Input
- B Head Unit Input
- C 230 VAC 10AMP Power Lead

1 Familiarisation cont.

Milk Storage Systems

Milk is supplied for the i-milk system in 10 litre bladders available from milk processing companies. There are two milk storage systems available to hold these bladders: the i-drawer system and the Milkstak system. These systems must be installed in a permanently refrigerated environment that can hold temperatures between 1c – 5c constantly.

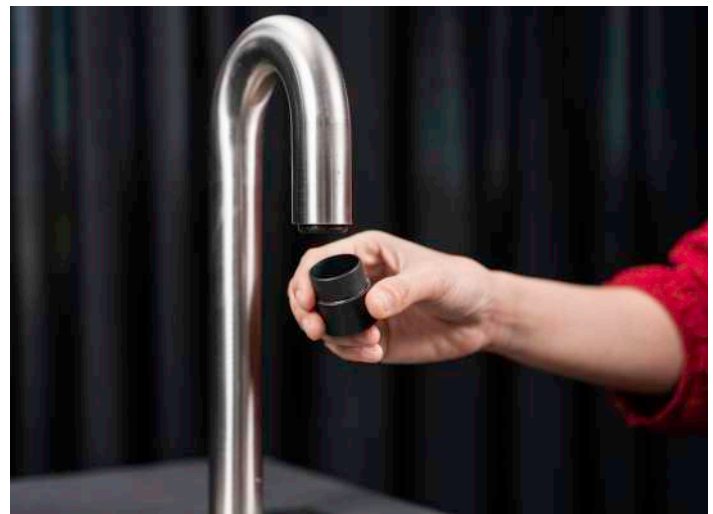
The **i-drawer system**, is installed in the factory into new refrigeration. It consists of plastic drawers that are located on drawer sliders and connect the bladder to the plumbing system.

The **Milkstak system** consists of crates that stack on top of each other and hold the milk bladders. This system is designed to be installed into existing refrigeration.



Emergency Taps

2 manual taps are supplied with each i-milk for emergency use so milk can be conveniently accessed direct from the bladders in the event of power or system failure.



Milk Filter Housing

i-milk is designed to pour a uniform, steady, non-turbulent stream of milk.

2 Essential Maintenance

Daily Cleaning

Complete the required daily cleaning. Refer to page 10.
When the daily cleaning process is completed it will automatically record on the cleaning log.

Weekly Maintenance, suggest each Monday

Record the service steps on the yellow log pages at the end of this manual.

1. Check the Cleaning log to ensure the dispenser was cleaned after every service day of the previous week. See Page 13.
2. Recalibrate your milk jugs. See page 9
3. Inspect Milk Font Filter Housing. See page 15

Monthly Maintenance, suggest 1st Monday of each month

1. Lubricate "o" rings in each cleaning assembly point, located:
 - in the fitting on each cleaning bucket
 - in the pouring font – filter head connection point
 - inside each cleaning sock

Use the food grade lubricant supplied with your i-milk. Lubricate the "o" rings by applying the lubricant to the milk spigot or stem as you insert it in the fitting.

2. Inspect Load Cell Water Proofing (Dam) Membrane. See page 16.
3. Clear drain hose of sediment.

To do this remove drain hose and pressure rinse using hot water to remove any internal sediment.

3

Loading The Milk Bladders



Settle the bladder flat on the base of the container with the connector nearest the cutout slot, face down. The bladder seal must be above the connector.



Lift the bladder to position and slide the bladder connector into the slot pushing it to the bottom of the slot as shown.

Milkstak

Stack the tubs adjacent to the daisy chain of spigots. Nesting tubs should be firm.

Remove (and retain) the black safety cap from the spigot, remove the travel cap from the bladder connector and push the spigot firmly into the connector.

If there is any leakage, the connection plumbing may be strained. Move box or reconnect to stop any leak.

Overfilled bags in Milkstak tubs may cause the stack to become unstable. This will rectify as milk is removed by the milk pumps.

Correct Way To Load A Bladder

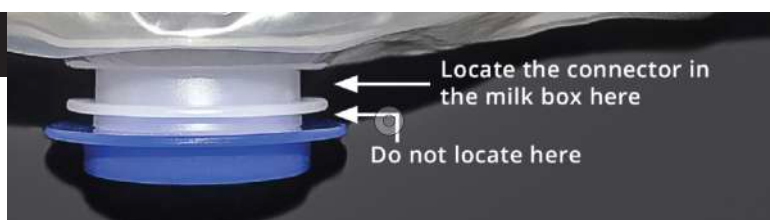
Take care when sliding bladder connector into slot. Otherwise the cap may be pulled off resulting in a loss of milk.

i-drawers

Place drawer on drawer support bar, remove the travel cap from the bladder connector, recheck that the connector is pushed to the bottom of the drawer slot and slide the drawer in to connect the bladder firmly onto the spigot.

If there is a major leak, the bag cap may have been dislodged. If so, reassemble and load properly.

Overfilled bladders or bladders with too much air in them can obstruct the shutting of the drawer or cause the bladder connector to lift and not connect properly. This may also cause the bag to be pinched creating a tear and leak.



4 Operating Instructions

To Pour Full Cream Milk Fill 1



With the display message **FULL CREAM I-MILK READY** place a calibrated metal milk jug on the i-milk.

Ensure that the jug is pushed up against the locating fingers on the jug rest.

i-milk will detect the jug size and fill your jug with full cream milk to the programmed volume for that jug size and for fill 1.

To pour Lite Milk



With the screen message **FULL CREAM I-MILK READY** activate the menu selector by passing your hand or a jug over the sensor next to the pouring font. The screen message will change to **LITE MILK IMILK READY**

When a metal milk jug is placed on the i-milk it will pour Lite milk to the programmed volume for that jug size and for **FILL AMOUNT 1**

1

If no jug is placed within 5 seconds i-milk will default back to **FULL CREAM** mode. If a jug is not placed on the jug rest within 5 seconds.

After the pour has been completed the dispenser will default back to **FULL CREAM** after 2 seconds of removing the filled jug. The 2 seconds allows you time to top up your jug if required but is quick enough not to delay the next milk selection.

To Select Jug Fill Level 2

During or after a programmed pour, do not lift the jug and **FILL AMOUNT 2** can be selected by passing your hand over the menu selector. This will change the fill level message on the display and a short top up fill will pump.

To Top-Up A Filled Jug

Lift the jug when pouring stops and replace it to add more milk, removing it when filled to the desired level.

If the jug is allowed to overflow the pour will automatically stop and the message **NO GAIN** will appear.

To Short Fill A Jug

Lift the jug at the desired fill level.

To Select Manual Pour

To select a manual pour, hold your hand or a jug over the menu selector and the display menu will start to scroll. When **MANUAL POUR** appears uncover the sensor and (M) will appear on the display.

Manual pour allows you to manually fill a non-metal container with your selected milk type. It continues to fill while a container is sitting on the i-milk jug rest.

If it overfills i-milk will automatically stop pouring.

To Unselect Manual Pour

Place a calibrated metal milk jug for filling on the jug rest and the i-milk will fill that jug with the programmed fill amount. When the jug is removed i-milk will return to **I-MILK READY** or select **ABORT MANUAL POUR** from the scrolling menu.

3

4

5

6

7

Operating Instructions cont.

8

To Rinse A Jug



Place the Inverted jug on the jug rest and it will be rinsed for 2 seconds. Ensure the jug touches the locating fingers at the back of the jug rest.

To repeat, lift and replace the jug when rinse cycle finishes.
To stop during a rinse lift the jug.

9

To Select Cleaning Mode

Activate the scrolling menu by holding your hand or a jug over the menu selector.

When daily cleaning appears select it by uncovering the menu selector. Now refer to the cleaning instructions information.

10

To Put i-Milk To Sleep

When i-milk is asleep it will not respond. This is ideal for cleaning. Activate the menu selector.

When **SLEEP MODE** appears on the scrolling menu, uncover the menu selector.

11

To Exit Sleep Mode

Hold a jug or hand over the menu selector and **EXIT SLEEP MODE** appears. Uncover sensor and **FULL CREAM MILK READY** will appear.

5 Programming i-milk

To Recalibrate Jug Sizes 1

i-milk is a very accurate milk dispensing system.

To maintain the accuracy of the pouring volumes we recommend you should recalibrate your jugs once a week.

The dispenser can be calibrated to accept 3 jug sizes which are recognised by weight. The system will not recognise rogue jugs.

During calibration you will only be asked to calibrate Jug 1 (small) and jug 2 (medium). Jug 3 (large) will calibrate automatically as any metal container that weighs more than Jug 2.

Press the **⏴** key to select Parameter menu and press **OK**

The screen will change to **JUG SETUP PRESS OK** Press **OK**

The screen will change to **WEIGH JUG1 TAP 1 PRESS OK** Press **OK**

The screen will change to **SET JUG1 ON TAP1 NO JUG PR OK** Do not put the jug on the jug rest, just press **OK**

The screen will change to **SET JUG1 ON TAP1 EMPTY JUG PR OK**

Place the empty smallest jug on the jug rest and press **OK**

The screen will change to **NEW JUG1 ON TAP1 SAVED**

Remove Jug 1 and press **⏴** to return to **WEIGH JUG1 TAP1**

To recalibrate jug 2 at the screen message **WEIGH JUG1 TAP1** press the **⏴** button once and the screen will change to **JUG2 TAP1** Now you can recalibrate Jug2 (medium size) by following the instructions above.

Jug 3 is assumed to be a jug heavier than Jug 2 so no setting is required.

When calibrated continue to press the **⏴** key to return back to Full Cream i-milk ready.

To Change Jug Fill Levels 2

Press the **⏴** key to select Parameter menu and press **OK**

The screen will change to **JUG SETUP PRESS OK**

Press the **⏴** key and scroll to **POUR VOLUMES** and press **OK**
The screen message **JUG1 FILL AMT 1** will appear. **JUG1** refers to the smallest jug calibrated for the dispenser. If this is the jug you want to change the fill level of press **OK**

The message will change to **SET JUG1 AMT 1** and the calibrated fill level will start to flash.

Adjust the fill level up or down by pressing the scrolling buttons. When completed Press **OK**

The screen message **NEW JUG1 AMT 1** will appear, showing the new changed fill level. If the new level is correct press the **⏴** key once to return to **JUG1 FILL AMT 1**

To Change Jug2 And Jug3 Fill Levels 3

With the screen showing **JUG1 FILL AMT 1** press the **⏴** key once and the screen will change to **JUG1 FILL AMT 2**

Press the **⏴** key again and the screen will change to **JUG2 FILL AMT 1**

Adjust each fill level as explained above in Change Jug Fill Levels. When you have made the changes to jug fill levels return to the **I-MILK READY** screen by repeatedly pressing the **⏴** key.

To Reset Password Lock 4

If management wishes to prevent unauthorised changes to the parameters set in i-milk a lock requiring a password can be applied.

In the parameter menu scroll using the **⏴** arrow on the comms `box scroll to **SYS-TIME** menu and press **OK**

KEY PAD TIME LOCK OFF will appear. Press **OK**

SET KEYPAD LOCK will appear with **OFF** flashing.

Press **⏴** once to select **ON** and press **OK**

The screen message will change to **NEW KEYPAD LOCK ON**

Press **⏴** to exit the menu

To access the parameter menu press these keys in this sequence: **⏴** **⏴** **⏴** **⏴** This will give access to the parameter menu for 10 minutes. The password lock will activate after 10 minutes

To remove the password lock repeat the above process but select **OFF** and press **OK**

6

Cleaning Instructions (Preparation)

HACCP Food Safety Certification

1a

HACCP Australia Food Safety Certification provides evidence that i-milk meets the most rigorous standards of hygiene management provided it is operated in accordance with these instructions.

This manual states the periodic cleaning tasks required in order to continue to demonstrate your compliance with the food safety expectations of your customers and regulators. Failing to adhere to these standards may lead to serious consequences in respect of your ongoing food safety registration and may result in contamination that in turn may cause illness among your customers.

The daily, weekly, monthly and annual procedures are stated on pages 5 and 11.

The standards of HACCP Australia requires that every 12 months i-milk and in particular the pumps be dismantled and inspected for any build up of milk stone and if necessary, affected parts must be cleaned or replaced. The annual physical deep clean must be undertaken by trained technicians and the Annual Cleaning Log on page 20 of this manual must be completed.

Daily, weekly and monthly cleaning and maintenance procedures are required to be followed in accordance with i-milk's instructions herein.

Milkstak

1a



Remove each milk spigot and reseal the bladder connector using the milk suppliers seal. If this still leaks use the ½" bung supplied in your Parts Kit.

Leave the milk tubs in the fridge

Clean each spigot thoroughly with food grade sanitiser spray using a clean single use paper towel.

Complete for all spigots.



Connect each milk spigot into its cleaning sock.

i-drawers

1b

Remove each milk drawer and disengage the milk bladder from the drawer locator. Reseal the bladder using the milk suppliers seal. Leave the milk bladder in the drawer.

Clean the spigot thoroughly with food grade sanitiser spray using a clean single use paper towel.

Attach a cleaning sock to each of the cleaning milk drawer spigots. To attach properly, push the sock on slowly so you feel it engage.

Spray and wipe out the drawer system, ensuring the drawer runners, base and sides of the drawer system are sanitised.

Close the milk drawer with the disconnected bladder in the drawer. Repeat this process for each drawer.

Cleaning Instructions (Procedure)

Prepare To Flush Out Milk Lines 2



Fill the black cleaning bucket with cold tap water and connect the silicon cleaning line to the bucket.

Cleaning The Milk Lines 3

Hold a jug or your hand over the menu selector so it scrolls to **DAILY CLEANING**. Remove hand when this appears to stop further scrolling and to make that selection.

To start rinsing milk from the milk supply lines place the empty JUG 3 on the dispenser. If you use a smaller jug the message **WRONG JUG** will appear.

The dispenser will pump out the full cream milk in the supply lines with water from the water container. When the pumping cycle is completed **REPEAT OR CROSS** will appear on the display.

Continue to rinse the Full Cream milk lines by emptying and replacing the jug on the dispenser until the water being pumped is clear of milk.

When the Full Cream milk lines have been rinsed out select Lite Milk by crossing the selector and repeat the process.

When the Lite milk has been rinsed out cross the selector to move to the next step.

Chemical Cleaning The Milk Lines 4

With **CHEM CLEANING ADD CHEM** on the screen connect the cleaning container containing cleaning chemical.

Add 50 ml Cafetto Blue Cleaner to 500ml hot (60C) water or 100ml Cafetto Blue Cleaner to 1L of hot water (60C)

To start the 6 minute cleaning process place Jug 3 on the jug rest. The dispenser will pump chemical into the system for both Lite and Full Cream lines. When finished, empty and replace jug.

During this process the dispenser will pump briefly every 2 minutes.

While the message **WAIT** is on the screen leave the jug on the dispenser.

Rinsing The Milk Lines 5

When the chemical cleaning has finished the message **RINSE OUT CHEM ADD WATER** will appear.

Remove and empty the jug. Connect the black bucket filled with clean cold water.

To start the rinsing process place the jug on the dispenser. The pumps will now complete 1 of 6 pumping cycles flushing out chemical solution with clean water. Each cycle pumps both Full cream and Lite milk. As each pump cycle finishes the message empty and replace the jug will appear.

If the message **NO GAIN** appears during the rinsing process, add more clean rinsing water to your cleaning container and empty and replace the jug. The i-milk will then continue the rinsing process.

At the end of the 6th pump rinse cycle daily cleaning is complete and your i-milk will automatically go into **I-MILK ASLEEP** mode.

Daily Cleaning Of The I-Milk Dispenser 6



With i-milk in sleep mode remove the jug rest and put aside.

Thoroughly wash the sink, jug rest, and all other surfaces using cold water to remove all milk residue.

Using warm soapy water and a non-abrasive cloth wash the sink and all other surfaces.

Rinse clean.



Replace the jug rest ensuring it is pushed on completely.

Cleaning Instructions cont.

Disconnect Cleaning Socks - for Milkstak 7a

After the milk dispenser has been cleaned, wake up i-milk by selecting **ABORT CLEANING MODE** from the scrolling menu.

Disconnect the silicon line from the black bucket.

Remove all water from the full cream milk lines by placing the large jug on the dispenser.

When **NO GAIN** appears on the screen, select **LITE MILK** and repeat.

Now disconnect the cleaning sock from each milk spigot and push on black safety caps.

Disconnect Cleaning Socks - for i-drawers 7b

After the milk dispenser has been cleaned, wake up i-milk by selecting **EXIT SLEEP MODE** from the scrolling menu.

Disconnect the silicon line from the black bucket.

Remove all water from the full cream milk lines by placing the large jug on the dispenser.

When **NO GAIN** appears on the screen, select **LITE MILK** and repeat.

Now disconnect the cleaning sock from each milk spigot and push on black safety caps.

Reconnecting The Milk 8

When the dispenser has been cleaned milk can be reconnected. It is recommended that milk is reconnected just before the next coffee service shift begins.

Do not leave milk in the unrefrigerated milk lines overnight.

Milkstak 9a

Remove the transport seal from the milk bladder.

Disconnect spigot from safety cap and push into bladder.

Complete for all spigots to be connected. Any spigots not connected to remain capped off.

i-drawers 9b

Remove each milk drawer starting from the bottom drawer.

Disconnect the cleaning sock located on the spigot, unseal and engage the milk bladder into the milk drawer and close the drawer.

Connect all full cream and lite milk drawers following the above instructions loading from the bottom first.

Pump Milk Into Lines 10

With the screen message at **FULL CREAM I-MILK READY** place a small jug on the jug rest and fill the jug. Discard the first pour.

Select Lite milk and repeat the process

The scrolling menu will now default to **FULL CREAM I-MILK READY** and service can commence.

7

Cleaning Log

The cleaning log allows the operator to check if the system has been cleaned each day. This gives a record of the past 30 days.

To access this Log follow these instructions:

Hold a hand or jug over the selector and scroll to option 4 – **CLEANING LOG**

The screen will appear with 2 rows of **-----**

Each **-** is one day, the total number of **-** is 30 representing 30 days history.

On each day that the dispenser was cleaned there will appear a **Y**

On each day the dispenser was not cleaned there will appear a **-**

To exit hold a hand or jug over menu selector. The words **EXIT LOG** appears, uncover the menu selector and i-milk will revert to the **FULL MILK I-MILK READY** menu.

8

Inventory Management

The i-milk inventory system records the total amount of milk that has been dispensed through the pouring head since it was last set to zero. It has been designed this way to help you analyze your milk usage and help you to determine your wastage for a given time period. IE weekly or monthly.

To access this option follow this process:

With **I-MILK READY** on the screen use the **↓** arrow and scroll down to **INVENTORY** and push **OK**

The next 4 options are:

FULL MILK (Full Auto poured measures including pours that come up with **NO GAIN**)

Lite **T-UP** (Manual lite milk top ups)

Full **T-UP** (Manual Full milk top ups)

LITE MILK (Lite Auto poured measures including pours that come up with **NO GAIN**)

The total shown for each option is the amount of that milk dispensed by i-milk since it was last reset.

To reset any of the inventory measurements to zero select the option you require

Push **OK** on the option (eg **FULL MILK** , **LITE MILK** , etc)

RESET FULL appears and will be flashing

Press **OK** again to reset and **NEW FULL** will appear and the total will be zero.

9

Milk Dump Settings

Automatic Discard of Milk

Milk held in the unrefrigerated milk lines in your i-milk will reach room temperature after 20 minutes. Though this milk is still safe to drink you may decide to dump this room temperature milk because it may reduce the quality when steamed.

Should this be a concern to you i-milk has a milk dumping system that is preset in the factory to 100 minutes. This means for example if Lite Milk has not been poured for 100 minutes the message **DISCARD LITE** will appear on your screen.

When you place a jug on the dispenser the unit will beep and the **DISCARD LITE** will flash as the jug is filled. The message **DISCARD LITE** will remain on the display until the jug is removed.

After the milk has been dumped and the jug is removed the i-milk will return to the **I-MILK READY** mode.

To set the discard time you desire follow these steps:

Press **▼** key once to select the **PARAMETER** menu and press **OK**

Press **▲** key twice to **SET DELAYS** and press **OK**

The screen message is now **SET DUMP TIMER : 100 MINUTES**
(the 100 will be flashing)

Press **▼** or **▲** to increase or decrease the time in minutes before the dispenser alerts you to dump milk. The maximum time **125** minutes.

To turn this function off change the dump time to zero.

Once selected press **OK**

To exit this parameter press **✕**

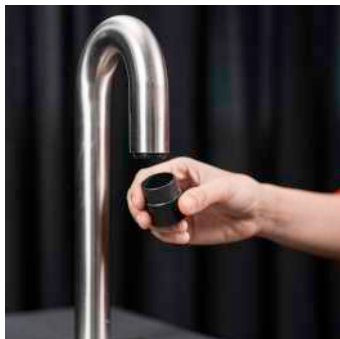
Unsafe Milk

If the message **UNSAFE MILK CLEAN DISPENSER** appears

Australian Food Safety law requires that milk must be discarded if it has been unrefrigerated for more than 4 hours. To comply with this requirement your i-milk dispenser will alert you if either milk type has not been dispensed for more than 4 hours. The message **UNSAFE MILK CLEAN DISPENSER** will begin to flash on your display. Should this happen select Daily Cleaning from the scrolling menu and carry out the daily cleaning process as outlined in section 6.

10 Technical Adjustments

To Clean the Milk Filter Housing



i-milk has a milk filter located on the font outlet. This black fitting delivers a uniform, steady, non-turbulent stream of milk. If the filter mesh becomes blocked it may cause the milk to squirt or froth. To remove the milk filter rotate it as you pull it down.

If debris has collected on the visible filter mesh carefully reverse flush it.

Replace the filter into the font rotating it as you push it in place and test the milk flow.

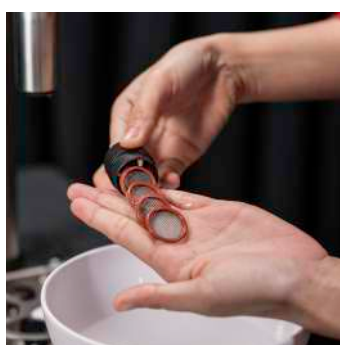
If the milk flow is still not satisfactory carry out the monthly cleaning process outlined below.

Monthly Milk Filter Cleaning

As shown in the picture below, the filter is made up of 4 stainless steel mesh filters each separated by 1 of 3 smaller "O" Rings.



- 1 black filter housing
- 4 identical stainless steel mesh filters
- 3 smaller "O" Rings that separate each mesh filter. These drop freely into the black filter housing.
- 1 larger "O" ring that is inserted last. It needs to be pushed in place as it holds the mesh assembly in the filter housing.



To disassemble gently push the filters and "O" Rings out of the filter housing into a large bowl so as not to lose any parts.

Cleaning The Milk Lines



Gently clean each mesh filter in warm soapy water and then re-assemble in the order as shown in the picture, taking care to insert the large o-ring as the final piece of the assembly.

To use Emergency Taps



Your i-milk has 2 manual taps located in your Spare Parts box. These taps allow you to manually pour milk from bladders in the event that your i-milk cannot dispense milk.



To use, load a bladder in a drawer or tub as normal but do not locate the connector.

Insert the spigot of the manual tap into the bladder and secure the manual tap into the key hole in the tub or drawer. This secures the tap and allows for it to be operated with one hand.



Position the drawer or tub at the edge of a bench to pour directly into a jug.

After use ensure the manual taps are thoroughly cleaned and stored back in the spare parts box for any future use.

Technical Adjustments cont.

Inspect Load Cell Dam (Water Proofing Membrane)

The water proofing dam prevents waste water from entering the head unit should the dispenser sink be over filled with waste. Each month inspect that the dam is in place and is not damaged.

To inspect the dam put your i-milk to sleep by selecting **SLEEP MODE** from the scrolling menu



1

Remove the jug rest from its connector cap by lifting it up.



2

Use the M5 or M6 Alan key supplied with your i-milk and loosen the black load cell connector cap.



3

This will expose the loadcell connector rod as shown in the picture showing a Dam in place. Check the dam membrane. If there are any holes replace it with one of the spares in the Parts box.



4

Fix the connector cap back on, ensuring the head of the stainless steel fixing nut is positioned correctly so that the jug rest opening will straddle the black metal sensor.



5

Reinstall the jug rest. Push it firmly down.

Wake up i-milk and check that it pours milk and rinses correctly. If it rinses jugs instead of filling them the jug rest needs to be pushed down further. To do this put i-milk to sleep and reapply the jug rest.

11

Trouble Shooting

Issue	Comments And Possible Solution
System not working	<p>Quick Fix 1. Turn the unit OFF, wait 10 seconds then ON again</p> <p>Quick Fix 2. Re calibrate jugs</p>
i-milk pours when a jug is inverted for rinsing	<ol style="list-style-type: none"> <li data-bbox="539 488 1528 589">1. The dispenser could be in manual mode. If so (M) will be in the display message. Place a metal milk jug on the jug rest for filling and lift when (M) disappears. <li data-bbox="539 611 1528 678">2. The jug is incorrectly located on the jug rest. Relocate the jug so it touches the 2 locating fingers on the jug rest (see page 8)
I-milk rinses when a jug is engaged for filling	<p>The jug is incorrectly located on the jug rest. Relocate the jug so it touches the 2 locating fingers on the jug rest.</p> <p>A non-metal jug is being used. If you want to fill a non-metal container, i.e. cup or glass jug, first select Manual mode from the scrolling menu.</p> <p>The jug rest is not properly located onto the jug rest locator. To rectify, put i-milk to sleep, remove and reapply the jug rest.</p> <p>The metal sensor requires adjustment.</p>
Wrong fill level	<p>When you engage a jug to be filled i-milk will indicate the jug size being filled, usually J1 for small, J2 for medium and J3 for large. A jug will be wrongly filled if the jug size being filled does not match the jug symbol on the i-milk display.</p> <p>To overcome this problem stop using the rogue jug and use a jug size that has been calibrated.</p> <p>Alternatively, Recalibrate jug sizes (See page 9)</p>
i-milk is pouring frothy milk	<p>Possibly caused by the system sucking air when the pumps are active. Check that all milk drawers are properly closed.</p> <p>Ensure that there is not a hole in the wall of one of the milk bladders attached to the system.</p>
i-milk is squirting milk into the jug	<p>Possibly caused by something blocking the filter housing on the end of the pouring font.</p> <p>Remove the milk filter and clean it by following the instructions on page 15.</p>
RINSE FINISHED	<p>After a jug has been rinsed the message RINSE FINISHED will appear on the screen.</p> <p>This will change to I-MILK READY when the jug is removed.</p> <p>If the message RINSE FINISHED appears on the screen and there is no jug on the jug rest, the dispenser will not pour milk. To resolve this problem the jugs need to be recalibrated. To do this refer to the section Recalibrate jug sizes (See page 9)</p>

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Screen Messages

FULL CREAM

Full cream milk will be dispensed when a jug is engaged

I-MILK READY

The dispenser is ready to pour milk

LITE MILK

Lite milk will be dispensed when a jug is engaged. After Lite milk has been poured and the jug has been removed the dispenser will default back to Full Cream mode after 2 seconds.
If lite milk has been selected but no jug is engaged the dispenser will default back to Full Cream mode after 5 seconds.

NO GAIN

The dispenser timed out before completing a jug fill. The common reason is that the liquid being dispensed has run out.

When the jug is removed from the dispenser the message no gain will disappear.

I-MILK READY(M)

The (M) indicates that the dispenser is in manual mode.

CLEANING

The dispenser is in cleaning mode. Refer to the cleaning instructions in this manual.

J1, J2 OR J3

This message appears during a pour and indicates which jug size is being filled. J1 is the small jug, J2 is the medium jug, and J3 is the large jug. These are the jugs that have been specifically calibrated for your i-milk.

FILL 1

This message appears as a jug is being filled and indicates which fill level is selected.
To select Fill 2 cross the menu selector during or after a pour.

I-MILK ASLEEP

I-milk is asleep and will not operate. To wake it up activate the scrolling menu and select exit sleep mode which will be the first message to appear.

RINSE FINISHED

After a jug has been rinsed the message **RINSE FINISHED** will appear on the screen. This will change to **I-MILK READY** when the jug is removed.

If the message **RINSE FINISHED** appears on the screen and there is no jug on the jug rest the dispenser will not pour milk. To resolve this problem the jugs need to be recalibrated.
To do this refer to the section Recalibrate jug sizes (See page 9)

DUMP MILK

If this screen message appears the dispenser has detected that milk –either Lite milk or Full Cream milk - has not been poured for the set time.

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Dimensions

Communications Box Menu (Access Via Comms Box)

i-Milk Components	Width	Length	Height
Foot Print	170	280	130
Cut Out	150	265	
Font Tap			280
Under Bench Clearance			200
Jug Clearance			150
Comms. Box	215	270	150
Pump Box	195	290	135



Milk Storage	Width	Length	Single	Nested	2	3	4	5
i-crate	290	430	165	152	317	469	621	773
i-tub low	340	475	130	118	248	366	484	602
i-tub	270	475	155	147	302	449	596	743
i-tub compact	230	365	210	205	415	620	825	1030
i-drawers	295	440	120					
Drawers Set of 4	345	450	550				550	

Deep Clean Service Record (Annual)

HACCP requires i-milk be Deep Cleaned every 12 months in order to remain certified. This record details the steps.

Maintenance Procedure	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service	Date of Service
Pumps										
Test for Pumping Rate. Time to fill from Pump Set 1 and Pump Set 2.	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2
Run 10 minute multi Wash and Soak using hot Cafetto solution.										
Dismantle, record observations. Physically clean and Reassemble.										
Retest pumping Rate Time to fill from Pump Set 1 and Pump Set 2.	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2	Pump Set 1	Pump Set 2
Continue inspection and clean as necessary. Report.										
Stainless Steel Spigots										
Disconnect and discard all one way duck bill valves.	Valves Removed		Valves Removed		Valves Removed		Valves Removed		Valves Removed	
Soak Spigots in Hot Cafetto Solution for 10 minutes. Rinse thoroughly in cold water.										
Inspect for cleanliness and replace all one way duck bill valves.	Valves Replaced		Valves Replaced		Valves Replaced		Valves Replaced		Valves Replaced	
Remove and thoroughly clean ½" push fit fittings.										
Replace the Following "O" Rings										
Cleaning socks.										
Cleaning Tub(s).										
Font Filter - milk line connector.										
Other Maintenance Requirements										
Inspect Font Filter Housing and replace Parts as necessary.										
Replenish Water Proof Membrane supply back to 10 units.										
Record Software version and update if necessary.										
Inspect for milk leaks inside the head unit.										
Remove Waste line. Clean any build up of solids. Replace if necessary.										
Inspect Milk Storage tubs and drawers. Report replacements required.										
Check water filter and replace cart.										
Check water filter and replace cartridge if necessary.										

