The Udder Way Installation, Product and Cleaning Guides.



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About The Udder Way

What is The Udder Way
The System
The Keg
QR Codes
Keg Quality Compatability Dispensing

The Udder Way Kits

Café & Deli Kit
Link Kit
Cleaning & Maintenence

Parts and Components

Café & Deli Kit Components
Keg 3D Render
Café & Deli Kit Schematic
Deli Kit Font & Tap
Café Kit Font & Tap
Café & Deli Kit Schematic
Link Kit Schematic
Link Kit Components

Guides

System Installation
Lid Install
Removing the Lid
Setting up the Café & Deli Kit
Cleaning the Café & Deli Kit
Connecting the Keg to the Tap
Changing over the Keg
Setting up the Link Kit
Cleaning the Link Kit
Cleaning & Maintenence

Contact

Contact Details

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 22
 25
 26
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 28
 30
 . 31
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 35

What is The Udder Way

The Udder Way is the creation of Tasmanian coffee shop owner Edward Crick who grew frustrated at the hundreds of milk bottles he used every week from his coffee shops. Watching these bottles get taken away and knowing that only half ever get recycled became an issue he wanted to fix.

Ed became obsessed by solving this issue and dedicated countless hours (we're talking day and night), designing, manufacturing, redesigning, testing, redesigning again, installing, redesigning... you get the picture.

It was crucial that whatever system was to resolve this, it needed to fit in seamlessly with any current process. What he's created is a milk keg system that slides into existing processes. It's great for business and even better for the planet!

Ed has brought together a range of quality suppliers mostly Tasmanian (all are Australian), and most are family-owned.

The System

The Udder Way systems have been developed around the Udder Way Keg, which holds 18 litres of milk, the same amount as a crate of 2 litre milk bottles!

The Udder Way system goes further than being a convenient (and re-usable) milk storage and handling unit. The Udder Way Café, Deli and Link Kits allow the user to store and dispense milk from an installed tap ensuring fresh and free flowing milk without the waste and clutter involved with conventional plastic milk bottles. All the components that are supplied with The Udder Way systems are Food and Drug Administration (FDA) compliant, easy to clean, economical and rated to 10 bars. All the components (fittings, connectors and tubing etc.) have been rigorously tested by The Udder Way to ensure only the best quality components are supplied.

The Udder Way Keg is compatible with almost all other current milk dispensing systems.

The Udder Way provides warranty of all its products to be free from defects in workmanship and materials, under normal wear and tear conditions, for a period of one (1) year from the original invoice date. If required, please contact The Udder Way regarding repair or replacement, including packaging and shipping instructions at: enquiries@theudderway.com



The Keg

The Udder Way Keg is manufactured in Tasmania with food grade high density plastic and has an 18 litre capacity. Each keg is 355mm(L) x 290mm(W) x 255mm(H) and when full weighs ~21.04kg.

The Udder Way keg has gone through rigorous research and design and has been reviewed and approved by the:

- Tasmanian Dairy Authority https://tdia.tas.gov.au/ and •
- The Dairy Companies Association of New Zealand (DCANZ) https://www.dcanz. • com/

Moreover, this rigorous research and development has been done to ensure that the customer (agricultural dairy or retail/ hospitality shop front) benefits and gets the best efficiencies from implementing The Udder Way keg and system(s).

The kegs have been designed so that they can be easily:

- Stacked and stored
- Loaded on milk trolleys
- Handled by an individual •
- Stored in conventional and commercial fridges •
- Transported and tracked ٠
- Easily cleaned and •
- Re-used time and time again.

Additionally, to ensure there is minimal (or no wastage), The Udder Way has developed a specially designed funnel that allows the user to invert and drain the kegs manually should there be any mechanical failure (power outage etc) that affects the use of the system(s).

QR Codes & Tracking

QR Keg tracking via The Udder Way app helps you keep track of where your kegs are, whats in your kegs, used by dates and the amount of single use plastics that you're saving from being produced.

Keg Quality

Our kegs are manufactured out of extremely durable polypropylene and we ensure every keg is exactly the same before it leave our manufacturing facility.

Compatability

Our Kegs are also compatible with other dispensing systems currently in the market. We encourage you to get in touch if you have any concerns about compatibility.

Dispensing

Most of our systems currently dispense milk but our system can easily dispense other liquids such as water, juice, cordials and alcoholic beverages.



Café & Deli Kit

The Udder Way Café and Deli Kits are an innovative and safe system for the handling, storage, and dispensing of dairy milk products. The systems not only increase efficiencies in retail milk dispensing, but they also help to reduce the amount of single use plastics and pollution in the environment.

Both The Udder Way Café and Deli Kit systems operate in a similar fashion to a conventional beer tap system. However, pressure in the system is created by the ceramic piston compressor (300mm L x 140mm W x 320mm H) and allows the milk to travel through the line(s) that run from the bottom of the keg (via the locator plate) to the ball valve in the tap.

The valve opens when the tap handle is pulled allowing the milk to pour. The notable difference between the two systems (Café and Deli Kit) is that:

- tended and
- The Deli Kit tap (500mm H) is spring loaded. This means the tap is required to held open to dispense the milk.

Each of the Café and Deli Kits are supplied with the same components and have the same flow rate of 15s/L at the recommended pressure of 6psi. Additionally, both Kits require the same scheduled cleaning /maintenance and are installed and assembled the same way.

• The Café Kit tap (340mm H) can be left open allowing the milk to dispense unat-

Link Kit

The Link Kit system can be applied to each of The Udder Way Café and Deli Kits. Like the Café and Deli Kits, pressure in the system is created by the compressor (300mm L x 140mm W x 320mm H) and allows the milk to travel through the line(s) that run from the bottom of the keg (via the locator plate) to the ball valve in the tap.

The major feature of the Link Kit is that allows the joining of multiple kegs. It creates a "daisy chain" of kegs (minimum of 2) which delivers a more efficient and labour-saving dispensing of milk.

The Udder Way Link Kit and Associated Volume(s)

Keg (s)	1	2	3	4	5
Milk Volume (L)	18	36	54	72	90

When considering using the Link Kit we recommend customers review their historical consumption data (in peak and off-peak times) to avoid unnecessary wastage.

The type of system used will determine the amount of space required in a fridge / cool room. Each keg is $335mm(L) \times 290mm(W) \times 255mm(H)$ and when full weighs ~21.04kg. Regardless of which system is installed, the milk line needs to be relatively short (2.5m as supplied by The Udder Way) to ensure the milk stays refrigerated in reticulation between the keg(s) and tap(s).

Cleaning & Maintenance

The Udder Way strongly encourages scheduled cleaning and maintenance of all components. The Udder Way suggests that you clean and sanitise all the lines and taps daily as per our cleaning guides found on our website. We also suggest that all the system and components are completely dismantled and thoroughly cleaned at least every 3-4 days.

The main environmental advantage of the Udder Way system(s) is that the components only need to be rinsed with cold water, then steam or dismantled and run through a dishwasher. There is no need for the use of harsh detergents or chemicals.

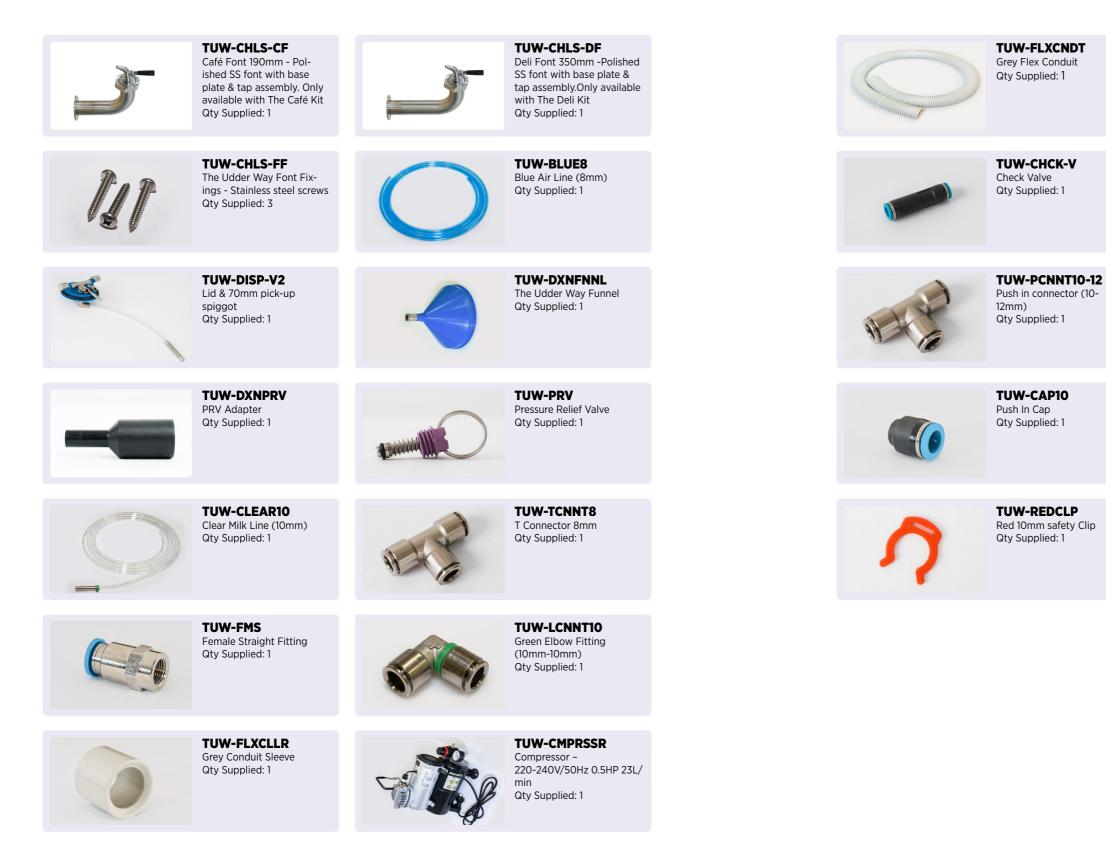
The required daily clean should take ~5mins. However, a full dismantle can take 15-20mins, and longer if using a full wash cycle with a dishwasher.

If there is any uncertainty about the scheduled cleaning and maintenance processes suggested by The Udder Way, please contact us at: enquiries@theudderway.com



Café & Deli Kit Components

Café & Deli Kit Components Continued



These are the components that make up and are included in The Udder Way Café and Deli Kit



TUW-BLKHSE Black Hose Qty Supplied: 1

TUWTAP-JG Tap Hose Connector Qty Supplied: 1



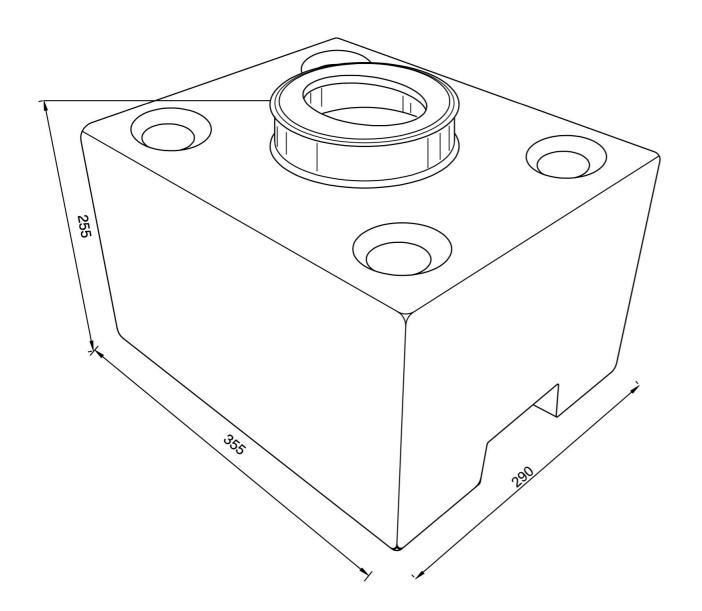
TUW-PCLMP Clamp Qty Supplied: 1

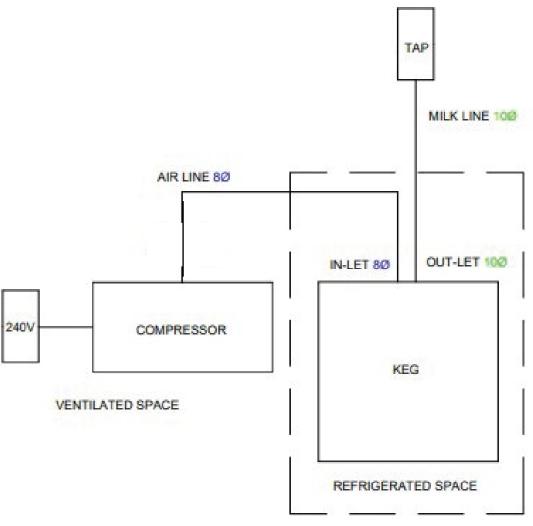


TUW-LCNNT8 Blue Elbow Fitting Qty Supplied: 1



TUW-PCNNT Push-in Connector Qty Supplied: 1





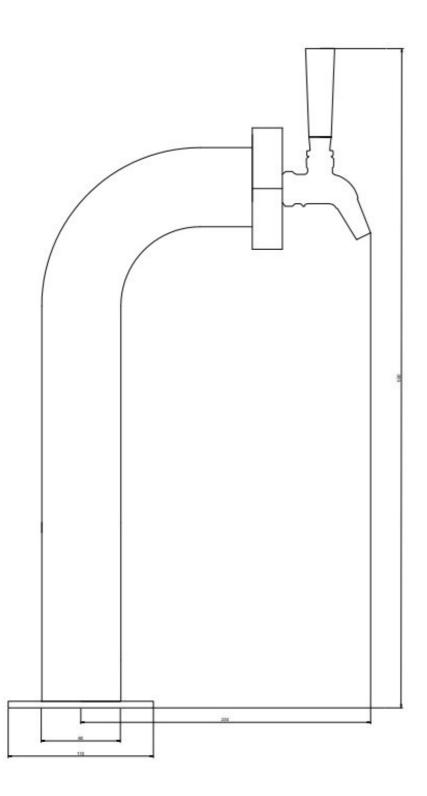
This schematic identifies and describes how The Udder Way Keg.

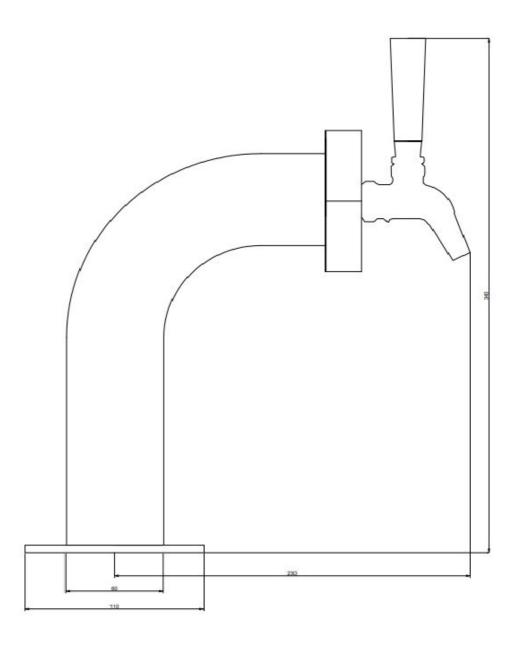
The Udder Way Keg 3D Render	Drawing Number TUW-3DKEG-000	Revision	Date	Issued for	Ву
Not to scale	10W-3DKEG-000	0	20/12/221	Information	FMF

This schematic identifies and describes how The Udder Way Cafe and Deli Kits work and/ or how individual parts interface.

The Udder Way Café & Deli Kit Schematic	Drawing Number TUW-CDKS-000	Revision	Date	Issued for	Ву
Not to scale	1010-CDK5-000	0	20/12/221	Information	FMF

THE UDDERWAY - CAFE' & DELI KIT SCHEMATIC



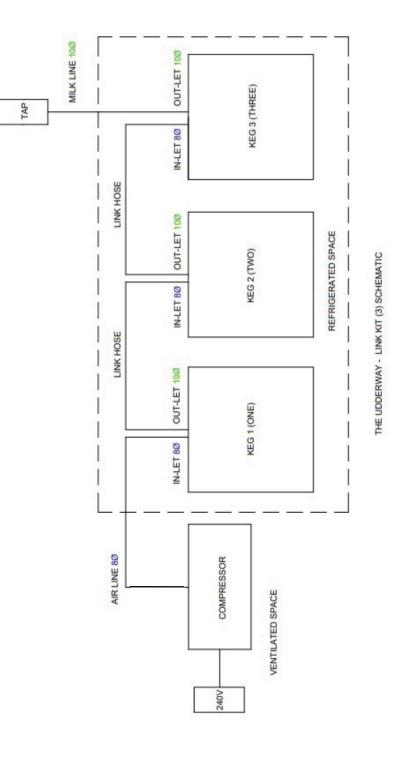


This drawing identifies and describes the spactial requirements for above bench (AB) for The Udder Way Deli Kit tap and font.

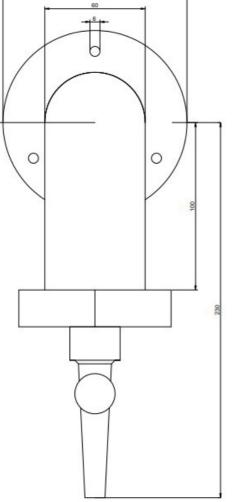
The Udder Way Deli Kit Font & Tap Not to scale	Drawing Number TUW-DKF&T-000	Revision	Date	Issued for	Ву
		0	20/12/221	Information	FMF

This drawing identifies and describes the spatial requirements for above bench (AB) for The Udder Way Cafe Kit tap and font.

The Udder Way Cafe Kit Font & Tap Not to scale	Drawing Number TUW-CKF&T-000	Revision	Date	Issued for	Ву
		0	20/12/221	Information	FMF



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This drawing identifies and describes the spatial requirements for above bench (AB) for The Udder Way Deli Kit tap and font.

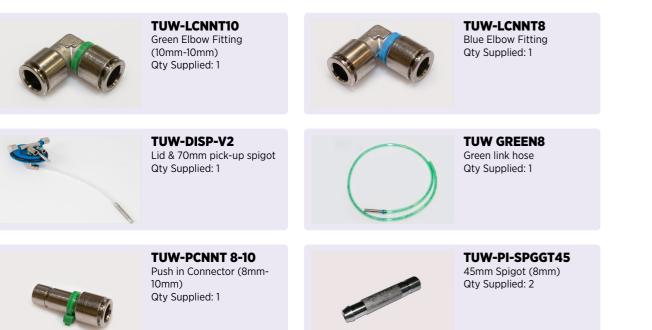
The Udder Way Café & Deli Kit Font & Tap (Plan) Not to scaleDrawing Number TUW-C&DKF&T-P-000	-	Revision	Date	Issued for	Ву
	10W-CaDKFa1-F-000	0	20/12/221	Information	FMF

This schematic identifies and describes how The Udder Way Cafe or Deli Kits work when applied to a Link Kit. For detailed shop drawings please contact: enquiries@theudderway.com

The Udder Way Link Kit (3) Schematic Not to scale	Drawing Number TUW-LKS3-000	Revision	Date	Issued for	Ву
		0	20/12/221	Information	FMF

Link Kit Components

These are the components that make up and are included in The Udder Way Café and Deli Kit





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System Installation

We reccomend watching the installation video before starting the install process.

Step 1

The Udder Way urges caution prior to the installation of its system(s). Do NOT proceed until it is confirmed that any services (electricity, gas & plumbing etc) live or otherwise, have been located and or isolated. Should you require further assistance, TUW recommend that the appropriate tradespeople are contacted with planned installation details to ensure service strikes do not occur.

Step 2

Prior to commencing the installation, TUW encourage that the planned location of the tap ((relative to the fridge where the keg(s) are kept)) is reviewed and coordinated so that the system functions properly. This includes coordination with joinery/ storage units and other kitchen ware (jug rinsers and coffee machines etc) as well as the location for the compressor (300mm L x 140mm W x 320mm H) and power sources (240v GPOs).

Note - the compressor should be placed in a well ventilated space where possible

Step 3

Tools/ hardware required to complete the installation of TUW system(s) include but are not limited to:

- Measuring tape & combination square
- Pencil/ Marker ٠
- Stanley Knife ٠
- Cordless/ Corded Drill •
- Hammer function may be required for stone or composite stone bench tops •
- Drill bit set •
- Masonry/ tile bits maybe required for stone or composite stone bench tops ٠
- 50mm Hole Saw •
- A masonry hole saw maybe required for stone or composite stone bench tops •
- Multigrips/ Spanner set or Shifter(s) •
- Caulking gun ٠
- Silicon •
- Rags
- Screwdriver Set ٠
- PVC pipe adhesive
- Masking tape ٠
- Vacuum/ basic cleaning equipment and ٠
- Required PPE ٠

With completion of the previous steps TUW suggest that TUW shop and schematic drawings below are reviewed for the accurate set out and understanding of the installation and function of The Udder Way Deli, Café and Link Kit(s) TUW-C&DKF&T P-000, TUW-CKF&T-000, TUW-DKF&T-000, TUW - CDKS-000, TUW-LKS3-000



Step 5

Using the template reference (and font as a guide) pre-drill pilot holes for the font and fixings. TUW suggest placing masking tape on finished bench tops to avoid scratch-es/ damage during the font installation process

ing this step. Using the 50mm hole saw, drill the 50mm hole in the wall of the fridge, TUW advise caution



Step 7

Step 10

Step 4

Once the grey flex conduit and clamp is installed, fix the grey conduit sleeve (with PVC pipe adhesive) to the end of the con-duit inside the fridae.

Using the hose clamp secure the grey conduit against the external face of the fridge. This provides a clean and consistent seal to the grev conduit and fridge.

Step 8



Feed the blue air line from the compressor

location through the 7.5mm clear hole into

the fridge to the location of the keg(s).



Step 11

Using the caulking gun, silicone and TUW reticulated internally and to length.



Ensure the fridge is off prior to commence





Step 6

Install the grey flex conduit, reticulating it from above the bench top (allowing enough length to the back of the font/ tap) to inside the fridge. Place hose clamp around the conduit on the end that will go into the fridae.



Step 9

Drill a 7.5mm hole in the wall of the grey flex conduit outside the fridge for the blue air line



font fixings, install the Café'/ Deli Font to the bench top ensuring the grey flex con-duit is



Step 12

Assemble the tap and font by screwing on the tap hose connector fitting

System Installation Continued



Step 13

Insert the clear milk line into the tap hose connector fitting. Ensure the clear milk line is "fully" inserted. The clear milk line should go 20mm (2cm) into the fitting. Insert the red safety clip to the tap hose connector fitting.



Step 14

Step 17

Insert the other end of the clear milk line into the push in cap and feed the clear milk line down the grey flex conduit (inside the font) into the fridge.



Step 15 Once the clear milk line is fully inserted into the fridge the tap assembly can be secured to the font by turning the large nut "clockwise"



Step 16

Insert the blue air line into the fitting of the compressor



With the blue air line inserted into the fridge. Cut the blue air line and install the one way valve at ~100mm inside the fridge and reconnect the blue air line



Step 18

Then ~100mm from the check valve make another cut to then connect the T Connector with PRV assembly.

The Udder Way rough in/installation process is now complete. To review the next steps for the relevant system you have purchased please review the following how to guides:

Lid & Locator Install, Setting up the Café and Deli Kit, Setting up the Link Kit.

If there is any uncertainty about above installation guide(s) or how to access supporting information suggested by The Udder Way, please contact us at: enquiries@theudderway.com

Lid Install



Step 1

Take delivery of your milk from the delivery driver. Place the keg near the fridge location in a firm, stable safe place. Remove the transport lid. Note - This is effectively a "pop-top"



Step 4

Rotate the lid clock wise to align with the mouth of the keg.

Now raise the lid firmly inside the keg and push the clamp arm over. The seal should look tight and consistent around the mouth of the keg.

Step 5

Step 2



Step 19

To set the compressor rotate the one way valve to block the air flow. Turn on the compressor.



Insert the spigot into the keg taking care that the spigot sits in the bottom of the keg in the left- hand corner.



Step 3

Insert the lid into the mouth of the keg at 90'(perpendicular) to the left-hand side.





Step 6

Place the keg in the fridge. Check for any leakage around the seal. This could be a sign the lid isn't sealed correctly to the keg. We suggest placing a baking tray (or similar) under your keg in the fridge.

Removing the Lid

Step 1

Release the arm clamp.



Gently push the lid away from yourself (towards the front of the keg), breaking the seal around the mouth of the keg and al- lowing the lid to lower into the keg slightly.



Step 3

Holding the clamp arm, rotate the lid anti-clockwise on a slight angle. This should allow the rear lip of the lid to rise out of the mouth of the keg.

Setting up the Café and Deli Kit



Step 1

Before starting the next steps take note that Fittings marked with blue are the IN-FLOW Fittings marked with green are the OUT-FLOW.

Step 2

the lid.



Step 4

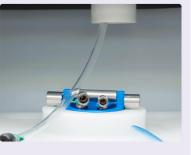
Continue to turn and raise the lid out of the mouth of the keg until the locator is clear.



Step 5

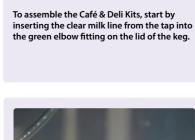
Step 2

Rinse the keg with water and replace the transport lid ready to be returned to your dairy.



Step 4

Place the keg in the fridge. Check for any leakage around the seal. TUW suggest placing a baking tray (or similar) under your keg(s). This helps keg change over(s) and cleaning any spills later.



Step 5



Step 7

Turn on the compressor & allow pressure to build (6psi) Let the milk flow! If the compressor runs continually ~20mins check the air-line and fittings are secure.

installed correctly. If in doubt remove the blue air-line and turn the compressor off.

Step 8



Before setting up the Café or Deli Kit, make sure all the fitings are correctly installed to



Step 3

Insert the lid into the keg. If you are unsure how to do this, refer to TUW Lid Install guide.





Step 6

Insert the blue air line from the compressor into the blue elbow fiting on the lid of the keg. The Café / Deli kit is now complete.



Check inside the fridge and lines etc for any leaks. This is a sign the seal/ fittings are not

Cleaning the Café & Deli Kit



Step 1

Disconnect the blue air line from the blue elbow fitting on the lid (prepare for a sharp hiss of air) and wait 2.5 minutes.



Step 2

Step 5

Ensure the tap is in the closed "up-right" position and disconnect the clear milk line from the green elbow fitting on the lid.



Insert the clear milk line into plastic blanking plug.



Step 6

Step 9

Remove the blanking plug from the clear milk line and rinse.



Step 1

TUW urge caution - The next steps involve steam (100 Degree + temperature) for the cleanin- ing process.



Step 2



Step 4

Turn off the steam wand and allow to cool for five (5) minutes before handling.

Remove the steam wand adaptor and then re insert the milk line to the plastic blanking plug.

Step 5



Unscrew the large nut (turning anti-clock-wise) behind the tap (while ensuring the tap

remains closed) Remove the tap from the

font with the entire length of the clear milk

Step 7

Step 4

line attached.

Place the tap and milk line in sink and attach the cleaning funnel. Run cold water through the tap and milk line for two (2) minutes. Ensure the tap is open prior to completing this step.



Take the tap and the connected clear milk

line to your closet sink for cleaning (while

ensuring tap remains closed).

Step 8

Allow the water to drain from milk tap and milk line. Then remove the cleaning funnel.



Place the tap and milk line in the tray of coffee machine with tap in the open position.



Step 7

Re-insert the clear milk line to the font and screw the large tap nut (turning clockwise) behind the tap.



Cleaning the Café & Deli Kit Continued



Connect the steam wand to the milk line using the steam wand adaptor.



Step 3

Ensure the tap is in "open position" and start steaming. Allow 60 seconds.





Step 6

Prior to re-inserting the clear milk line into the font. Check that the milk line is securely inserted into back of the tap.

Connecting the Keg to the Tap



Before starting the next steps take note that fittings marked with blue are the IN- FLOW

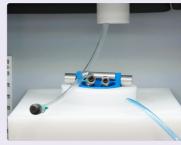
Fittings marked with green are the OUT-

Step 1

FLOW.

Step 2

Ensure the tap is in the off (up-right) position.



Place the keg in the fridge in the desired location.





Step 4

Connect the clear milk line to the green elbow fitting on the lid.



Connect the blue air-line (with the compressor off) to the blue elbow fitting on the lid. Double check all the fittings are securely inserted.



Step 6

Step 3

Turn on the compressor & allow pressure to build (6psi) If the compressor runs continually ~20mins check the air-line and fittings are secure.



Changing over the Keg

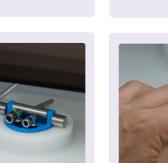


Step 2

Turn off the compressor.

Step 1

Step 4



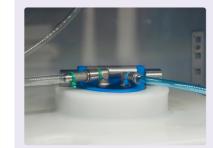
Step 5

blanking plug.



Step 7

Let the milk flow.



Step 8

Step 5

Check inside the fridge and lines etc for any leaks. This is a sign the seal/ fittings are not installed correctly. If in doubt remove the blue air-line and turn the compressor off.



Disconnect the 10mm clear milk line from

the green elbow fitting in the lid.

Step 7

Remove the lid, rinse the keg and replace transport lid ready for return to your dairy. If you are unsure how to remove the lid refer to TUW removing the lid guide.



Disconnect the blue air line from the blue fitting in the lid (prepare for a sharp hiss of air) and wait (2.5) minutes.

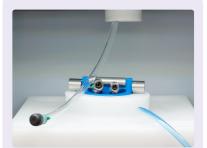


Step 3

Ensure the tap is in the closed "up-right" position.



Insert the clear milk line into the plastic



Step 6v Now remove the empty keg.

Setting up the Link Kit



Step 1

Before setting up the link kit, make sure all the fitings are correctly installed to the lid.



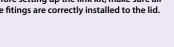
Step 2

Insert the lid into each of the kegs to be used in the link kit. If you are unsure how to do this, refer to TUW Lid Install guide.



Step 3 TUW suggest placing a baking tray (or

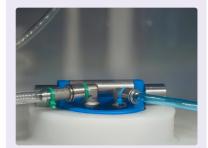
similar) under your keg(s) in the fridge. This helps keg change over(s) and cleaning any spills later.





Step 4

TUW supply a 1m length of green link hose (the milk hose) with each link kit. This can be modified (cut) to suit varying link kit instal-lation scenarios. Simply cut the hose (neatly) to the desired legnth, and replace the fitting.



Step 5

Before starting the next steps take note that. Fittings marked with blue are the IN-FLOW. Fittings marked with green are the OUT-FLOW.



Step 6

To create the link kit, start by inserting the clear milk line from the tap into the green elbow on the lid of the first keg you intend to link.



Step 7

To continue the link kit, use the link hose(s) inserting blue link hose fittings to blue lid elbows fittings and green to green.



Continue this process until the desired amount of kegs are linked together.



Step 9

Once the desired amount of kegs are linked together insert the blue air line from the compressor into the blue fitting of the last keg in the link. The link kit is now complete.

Setting up the Link Kit Continued



Step 1

Turn on the compressor & allow pressure to build (6psi).

Step 2 Let the milk flow!



Step 4

Check inside the fridge and lines etc for any leaks. This is a sign the seal/ fittings are not installed correctly. If in doubt remove the blue air-line and turn the compressor off.

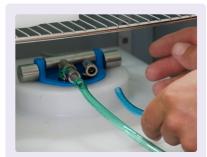






If the compressor runs continually ~>20mins check that the air-line and fittings are secure.

Cleaning the Link Kit



Step 1

Disconnect the blue air line from the blue elbow fitting on the lid (prepare for a sharp hiss of air) and wait 2.5 minutes.



Ensure the tap is in the closed "up-right" position and disconnect the clear milk line from the green elbow fitting on the lid.

Step 2

Step 6



Insert the clear milk line into plastic blankina plua.



Step 4

Remove all the green link hoses from the link kit.



Place all of the lose items from the link kit and tap into a bucket. Run cold water through and rinse each of the seperate link hoses and fittings for two (2) minutes.



Step 7

Step 3

Allow the water to drain from each of the seperate link hoses and fittings.



Step 8

TUW urge caution - The next steps involve steam (100 Degree + temperature) for the cleanin- ing process. Connect the steam sanitiser to each of the seperate link hoses and fitting.



Step 9

Steam and sanitise each of the seperate link hoses and fittings and allow to cool five (5) minutes before handling



Step 11

To complete the font and milk hose cleaning process refer to Cleaning the Udder Way Café & Deli Kit.

Cleaning & Preventative Maintenance

The Udder Way products are an innovative and safe system for the handling, storage and dispensing consumable liquids. For health and safety reasons, The Udder Way strongly encourage scheduled cleaning and maintenance of all components within these system(s).

The Udder Way suggests that you clean and sanitise all the lines and taps daily as per our cleaning guides found on our website. We also suggest that all systems and components are completely dismantled and thoroughly cleaned at least every 3-4 days.

The Udder Way also strongly encourage the planned and preventative maintenance of your compressor unit, as the compressor is the key tool for dispensing milk from the keg.

Simple sanitary planned and preventative maintenance steps include:

- Keeping your compressor in a well-ventilated space free of dust and moisture
- Inspecting and cleaning the hoses & fittings
- Inspecting and cleaning the air filter
- Draining condensation from the tank bowl and regulator
- Turning off your compressor when not in use (overnight or end of service etc)
- We recommend these steps are carried out weekly to ensure the system remains clean and operates at optimum efficiency"

If there is any uncertainty about the scheduled cleaning and maintenance processes suggested by The Udder Way, please contact us at: enquiries@theudderway.com

Contact

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