

USER MANUAL
COLOQUICK
PRIME





*Note that the illustrations are for information purposes only.
They do not necessarily reflect the exact specifications and details of the model in question.*

We reserve the right to make changes without prior notice.

CONGRATULATIONS ON YOUR NEW COLOQUICK!

For safe and optimal use, please read this manual carefully before first use.

The idea behind ColoQuick is simple: with just a few small changes to how you handle colostrum, you can ensure every calf receives the maximum amount of antibodies - essential for raising healthy, high-performing animals.

WHAT MAKES THE DIFFERENCE:

- Testing and selecting only high-quality colostrum
- Feeding the calf as soon as possible after birth
- Maintaining strict hygiene when handling equipment

With ColoQuick, your calves gain stronger immunity and better long-term performance - in a system that's fast and easy to use.

We welcome your feedback, ideas, and suggestions as we strive to make ColoQuick the ultimate colostrum management solution. Enjoy your ColoQuick system!

Brian Pedersen, CEO

A handwritten signature in blue ink, appearing to read 'Brian Pedersen'. The signature is stylized and fluid.

ColoQuick
info@coloquick.com



PARTS LIST – WHAT IS INCLUDED



1x ColoQuick Prime (thawing machine)

See assembly instructions (separate sheet) for further information.



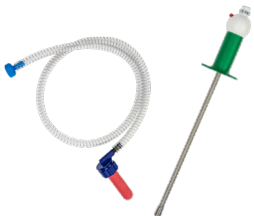
1x Filling station

See assembly instructions (separate sheet) for further information.



8x Cartridges
8x Writing plates
4x Locks for cartridges

See assembly instructions (separate sheet) for further information.



1x Teat + Esophageal Tube Feeder
1x Hose + Hose connector

See assembly instructions (separate sheet) for further information.



1x Analog optical refractometer



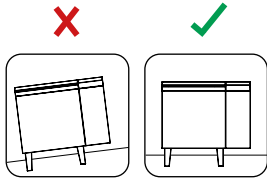
1x Backpack carrier



35x Colostrum bags

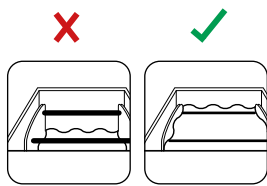
INSTALLATION

- The machine weighs 50 kg (110 lbs) and must be handled carefully.
- Unpack the machine completely and remove all packaging before startup.
- Electrical and plumbing connections must be made by an authorized technician



1. PLACEMENT

- Set it on a solid, level surface.
- Place the machine in a frost-free room (5–40 °C / 41–104 °F).
- Place close to a drain.



2. WATER CONNECTION

- Fill the water tank with water to the lower edge of the transverse bars on the cartridge holder.
- Volume: approx. 95 liters of water.
- The water temperature must **not** exceed 40 °C (104 °F).

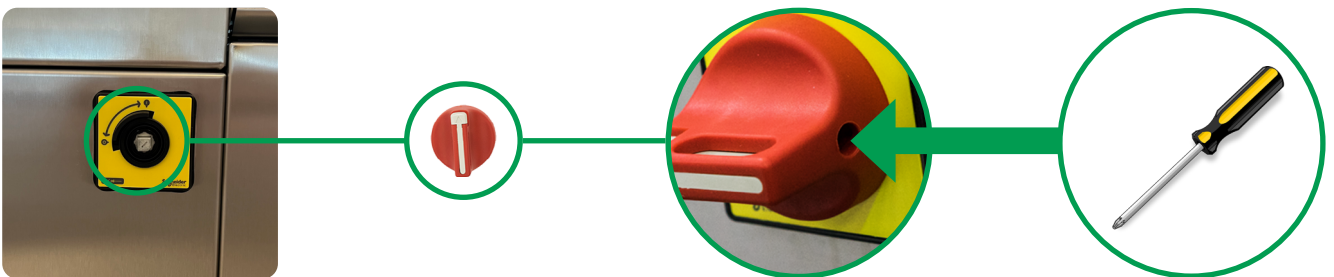


3. ELECTRICAL CONNECTION

- Check that the data on the nameplate matches the power supply.
- Always use a properly and legally installed power connection.
- Make sure the machine is grounded.
- Never use power strips or extension cords > fire hazard.
- Check that the electrical connection is correct.

4. MAIN SWITCH

- Attach the knob to the main switch using a screwdriver.



5. STARTING UP THE COLOQUICK WATER TANK

- Fill the machine with water up to the overflow (max 40 °C / 104 °F).
- Turn the main switch from OFF to ON.
(The machine should always remain on.)
- The water will now heat automatically.
Heating time depends on the starting temperature.
- Important: Always ensure the tank is filled whenever the machine is powered on. Running the machine without water will damage the heating element.



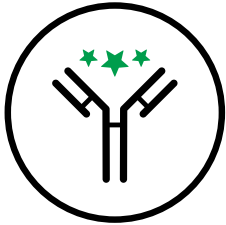
WARNING:

Never turn on the machine if there is no water in the tank.



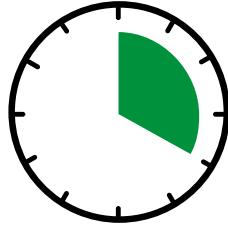
KEEP IN MIND - FOUR IMPORTANT FACTORS

These four crucial factors determine how well the calf absorbs antibodies from colostrum — directly impacting future milk production.



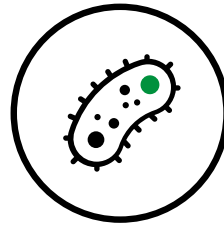
QUALITY

Colostrum quality varies significantly between cows, making direct feeding inconsistent - and resulting in lost potential across the herd.



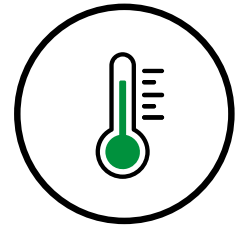
TIME

The calf's ability to absorb antibodies declines rapidly after birth, so immediate feeding is critical for maximum absorption.



BACTERIA

Bacterial contamination reduces antibody absorption by degrading or binding immunoglobulins in the colostrum.



TEMPERATURE

Incorrect feeding temperature can damage antibodies and negatively affect both absorption and calf wellbeing.

CLEANING - KEEP A GOOD HYGIENE

FILLING STATION

- Rinse with cold water, then wash with warm water + detergent (50°C), or use dishwasher (max 65°C).
- Replace the hose when worn.

TUBE FEEDER / TEAT / HOSE

- Rinse cold > wash warm (50°C) > rinse hot (80°C).
- Store in freezer if needed to avoid bacterial growth.
- Replace hoses when worn.

THAWING MACHINE

- Turn off, unplug, and drain water.
- Wash with warm (50°C) water and a non-abrasive, non-bleaching cleaner.
- Flush out the cleaning water before refilling.
- Refill with clean water (max 40°C).

STARTUP – BUILDING YOUR COLOSTRUM SUPPLY

Start by filling the freezer with colostrum without considering colostrum quality to establish a reserve before quality sorting begins. Do not use the thawing machine until you have reached the minimum number of cartridges listed below.

MILKING

- Milk the cow as soon as possible after calving.
- **Maintain strict hygiene!** — clean teats, use clean milking equipment and clean disposable gloves.
- Use 4 liters for the colostrum bag.

QUALITY MEASUREMENT

- Before filling the colostrum bag, use the refractometer to check BRIX value. This value estimates the level of antibodies in colostrum. A higher BRIX value equals a higher concentration of antibodies.
- Record cow number, date, and BRIX quality in the Colostrum Journal.

POUR COLOSTRUM IN A BAG

- Mount a colostrum bag in the cartridge and place it in the filling station.
- Use the stopper while pouring — 4 liters is recommended for large breeds.
- Then remove the stopper so colostrum runs into the bag.
- Once filled, press the cartridge together to remove excess air.
- Secure the lid and note cow no., date, and BRIX on the writing plate.

PLACE THE CARTRIDGE IN THE FREEZER

- Put the cartridges in the freezer as soon as possible and freeze lying flat at -14 °C / 6 °F. Lower temperatures require longer thawing times.
- Sort by quality, best on top shelf.
- The colostrum may be stored for up to one year in the freezer.

Once the minimum supply is reached, you are ready to begin using the thawing machine.

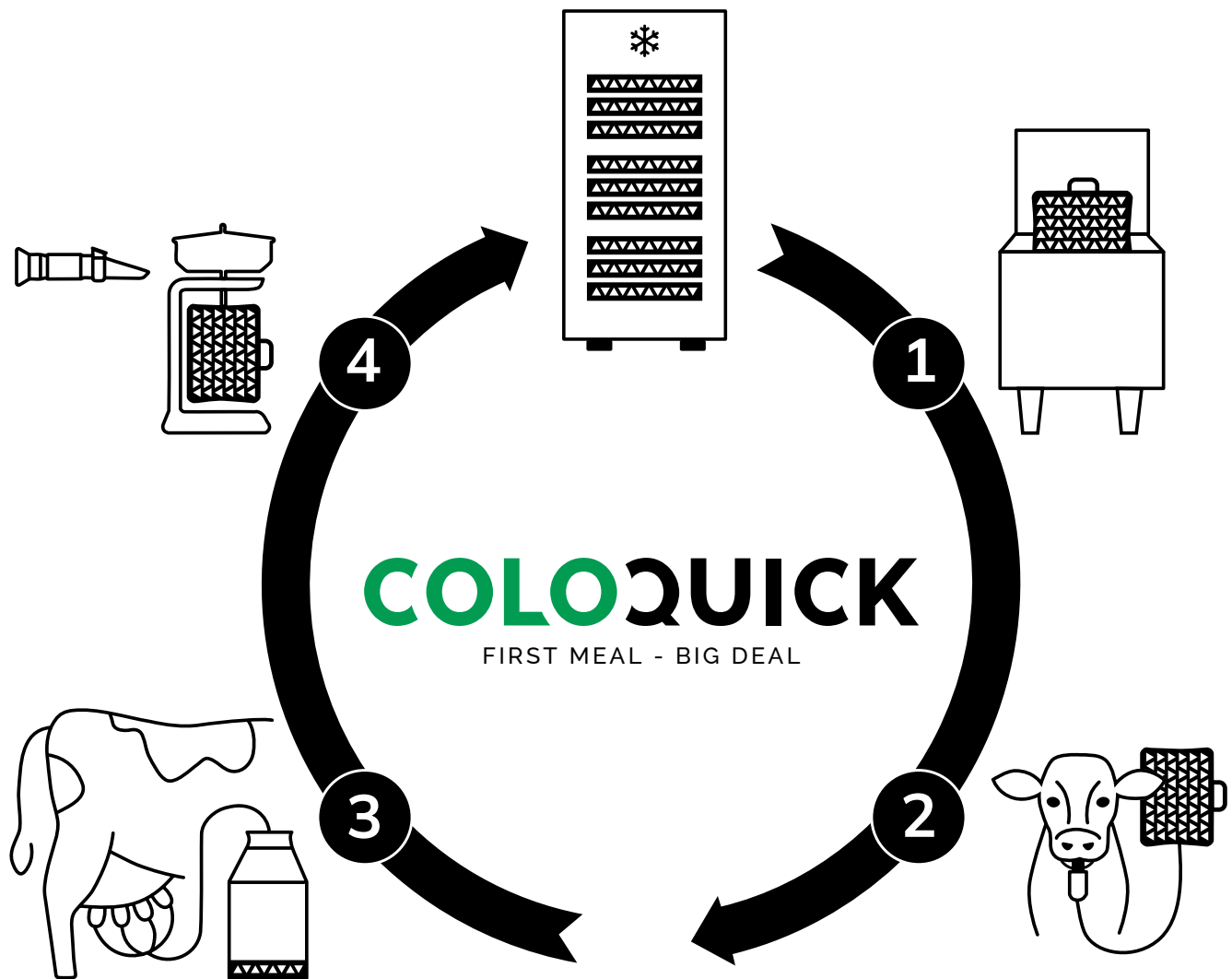


RECOMMENDED MINIMUM SUPPLY OF CARTRIDGES IN THE FREEZER:

Up to 100 cows:	8 cartridges
Up to 200 cows:	10 cartridges
Up to 500 cows:	15 cartridges
1000+ cows:	20 cartridges

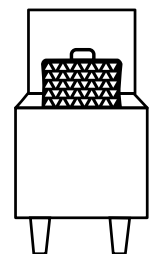


OPERATING MODE - A CALF IS BORN

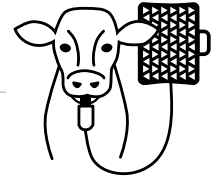


1 THAW COLOSTRUM IN 20 MINUTES

1. Clear the calf's airways.
2. Take colostrum from the freezer (top shelf = best quality for heifers).
3. Place the colostrum bag in its cartridge in the warm water tank and ensure the bag is fully submerged.
4. Start the thawing program and wait for the light and audio signal (~20 minutes).



2 FEED THE NEWBORN CALF



1. Keep feeding equipment in the freezer between uses to prevent bacterial growth.
2. Rinse milk hose and Teat/Tube Feeder with cold water before use.
3. Remove the cartridge from the thawing machine, place it upright and unscrew the lid.
4. Check colostrum temperature — as close to the calf's body temperature as possible, never warmer.
5. Attach the milk hose and carrier set to the colostrum bag.
6. Record in the Colostrum Journal.

IF USING A TEAT

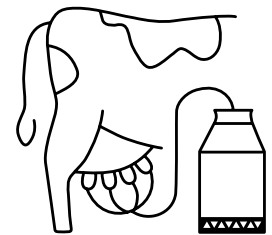
- Keep the calf calm while feeding.
- Hold the teat so the calf's neck is straight.
- Clean everything after use.

IF USING A TUBE FEEDER

- Calf must be standing.
- Stimulate the sucking reflex, then insert the tube slowly down the left side of the neck.
- Start flow only when the tube is in place.
- Stop flow before removing.

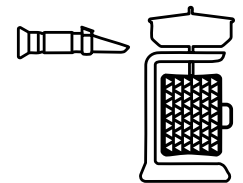
3 MILK THE FRESH COW

1. Milk the cow as soon as possible after calving.
2. Use disposable gloves and maintain strict hygiene.
3. Clean udders and teats thoroughly before milking.
4. Avoid fecal contamination of the colostrum.
5. Check the BRIX with the refractometer.
6. Freeze as soon as possible.



4 TEST AND STORE COLOSTRUM

If you have fewer cartridges than the minimum, save all colostrum regardless of quality. If you have more, replace the lowest quality with the highest — unless you have room for both.



HOW TO USE THE REFRACTOMETER

1. Place drops of colostrum on refractometer glass.
2. Close it and point toward light to read the BRIX value. Higher BRIX = more antibodies = better quality.

HOW TO USE THE FILLING STATION

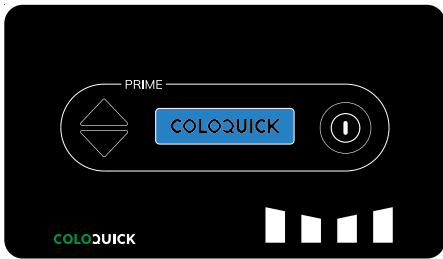
1. Open the cartridge and mount a colostrum bag on the spikes, fix the collar and close it.
2. Place the cartridge in the filling station and use the stopper while pouring (4 liters is recommended for large breeds).
3. Remove the stopper so the colostrum runs into the bag.
4. Press out excess air by gently pressing the cartridge together, secure the lid, and freeze lying flat.
5. Label with cow no., date, and BRIX value.
6. Store best quality on the top shelf of the freezer.



TECHNICAL INFORMATION



TECHNICAL INFORMATION – THE INDICATORS



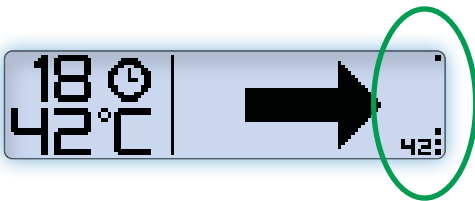
CONTROL PANEL



Used to **NAVIGATE** menus and settings.



Used as **START** and **OK** button.

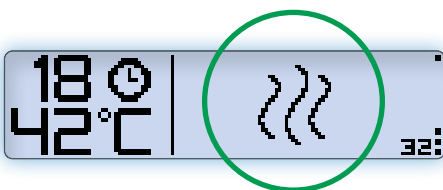


INDICATIONS ON HEATING, START AND OPERATING SCREEN

The number in the bottom right corner shows the current water temperature.

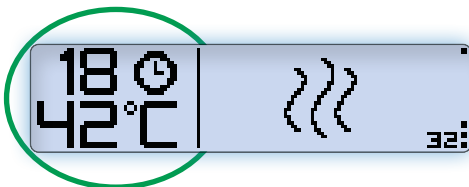
The one dot in the upper right corner will be shown every time the cartridges has made a rotation.

The three dots in the bottom right corner indicates that all three phases of the heating element is active.

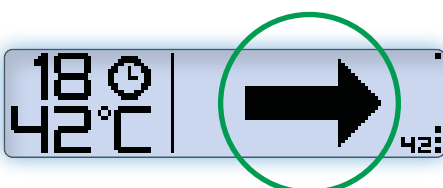


A “heating” icon will be shown on the display until the water has the desired temperature.

For an optimal thawing process, the water must have a temperature of 40-42 °C / 104-107 °F.



The preset time and temperature are shown to the left in the display. These standard settings can be changed in the advanced settings.



When the water has heated to the desired temperature, the display will show an arrow instead of the “heating” icon.

This indicates that the program can be started with the desired settings.



TECHNICAL INFORMATION – HOW TO USE



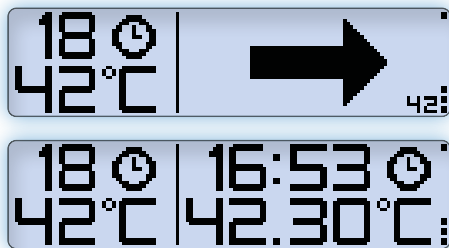
QUICK SETTINGS

When the machine is heating or ready to start, use the up and down arrows to adjust time and temperature.

Press the up arrow to set the running time, and use the same arrows to adjust minutes within the settings.

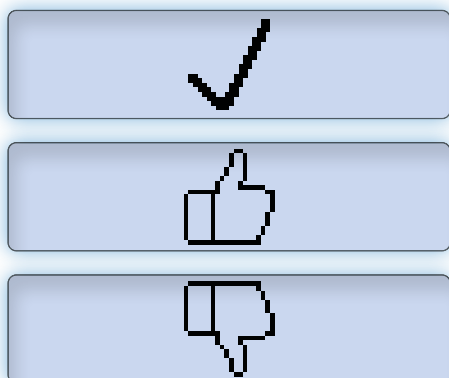
Press the down arrow to set the temperature, and use the same arrows to fine-tune within the settings.

Note: Settings return to standard defaults when the program ends.



When the arrow is shown on the display and the temperature and time are set, press START/OK to begin the thawing program.

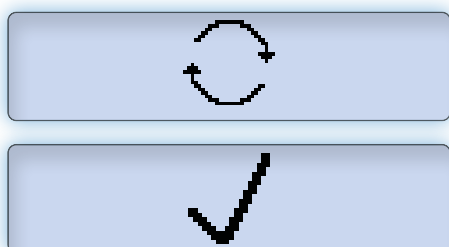
The selected time and temperature are displayed on the left, and the current time/temperature are shown on the right. The heating element and rotation indicators are still visible.



When the program is finished, the “checkmark” icon is shown on the display and the machine emits a beeping signal to indicate the program is complete.

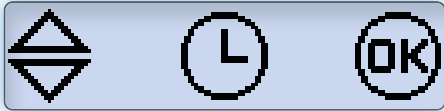
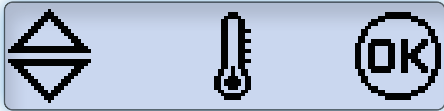
If the lid is opened within 10 minutes, a “thumbs-up” icon will appear on the display.

After 10 minutes, a “thumbs-down” icon will appear instead, indicating the colostrum has been heated longer than planned.



The thawing program can be stopped at any time by pressing the START/OK button.

If the program is stopped before the time is up, the motor will first find its rest position, and the display will then show the “checkmark” icon to confirm the interruption is complete.



ADVANCED SETTINGS

Press both arrow buttons simultaneously to access the advanced settings menu. Use the arrows to navigate and “START/OK” to confirm your selection.

The following settings are available:

Standard temperature: set the default temperature for the thawing program

Standard run time: set the default duration for the thawing program

Temperature unit: switch between Celsius and Fahrenheit

Wi-Fi information: view MAC address, serial number, signal strength, and cloud connection status



DELAYED HEAT UP MODE

Use this setting to put the machine into a low-energy state during periods of no use. The machine will stop heating the water, saving energy.

Press and hold the START/OK button to enter the delayed heat up settings.

Use the arrows to select the number of days the machine will not be in use.

Press START/OK to confirm and activate delayed heat up mode.

To resume before the set time is up, press START/OK twice — the delayed heat up will be cancelled and the water will begin heating.



WARNING:

Make sure the water tank is filled before the machine resumes heating. Running the machine without water will damage the heating element.



IN CASE OF ANY FAILURE, STRANGE SOUNDS OR LEAKAGE

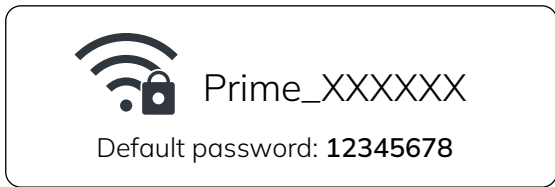
Please contact ColoQuick service personnel for assistance.



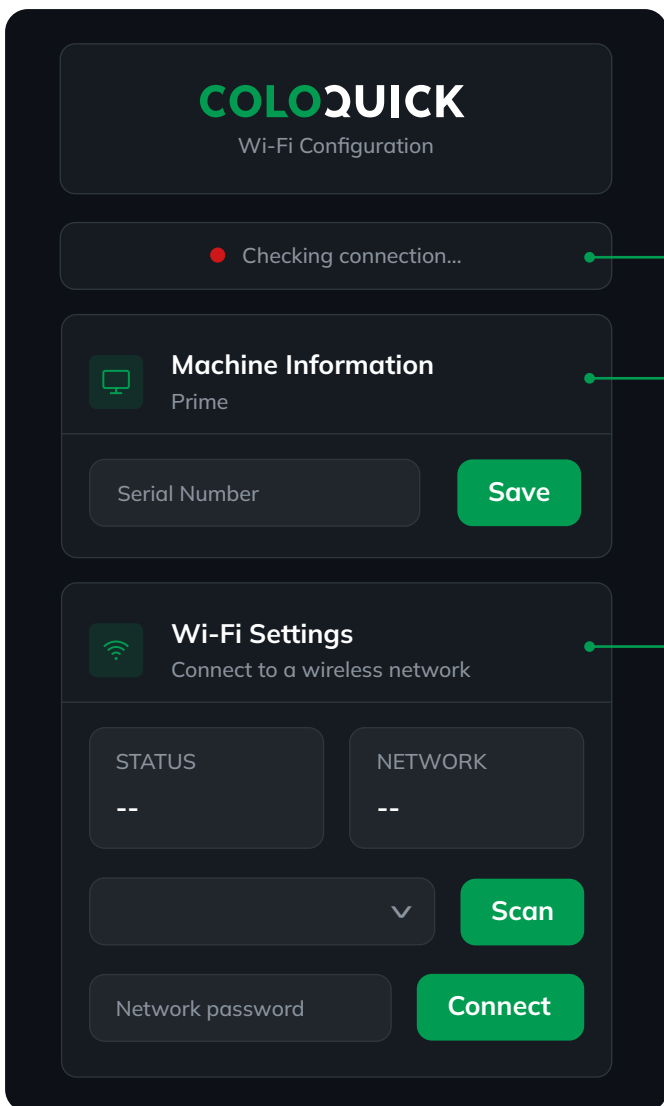
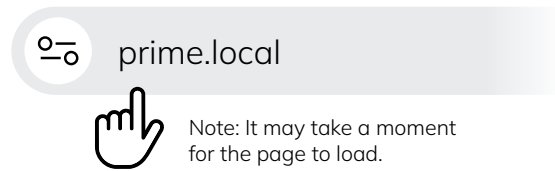
TECHNICAL INFORMATION – WI-FI CONFIGURATION

The ColoQuick Prime has a built-in Wi-Fi hotspot used for initial configuration. Follow the steps below to connect your machine to your farm's Wi-Fi network.

1. CONNECT TO THE MACHINE'S WI-FI HOTSPOT:



2. GO TO YOUR BROWSER AND ENTER:



3. CONNECT YOUR MACHINE TO WI-FI

Connecting your ColoQuick Prime to your farm's Wi-Fi allows you to monitor your machine remotely and ensures automatic software updates.

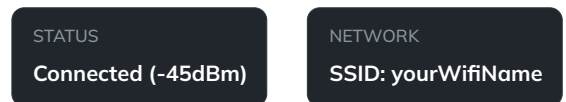
This indicates whether a connection to the machine has been established.

Enter the 8-digit serial number (SN) found on the nameplate on the back of the machine, then press Save.

The machine emits a beeping signal when saving serial number or connecting to your Wi-Fi.

To connect the machine to your Wi-Fi network, click Scan and select your network from the dropdown menu. Enter the network password for your farm's Wi-Fi and press Connect.

IF CONNECTED, IT WILL SHOW:



If you need help connecting to your Wi-Fi, contact trained ColoQuick service staff.



4. VERIFY THE CLOUD CONNECTION ON THE MACHINE

Directly on the machine, press both arrow buttons simultaneously to access the advanced settings menu. Navigate to Wi-Fi information and press START/OK to confirm. Check that the cloud connection status shows "OK" and that the SN is correct.

TECHNICAL INFORMATION – ICON GUIDE



Heating



Finding rest point



Power saving
after 30 minutes



Action
complete



Program ended
<10 minutes ago



Program ended
>10 minutes ago



Program
complete



Temperature
settings



Time settings



Unit settings









Wi-Fi settings



Delayed
heat up



TECHNICAL INFORMATION – ERROR SYMBOLS

SYMBOL	ISSUE	SOLUTION
	The lid is open.	<ol style="list-style-type: none"> 1. Make sure the lid is closed with the hinges. 2. Try opening and closing the lid again. 3. If the lid is closed, contact trained ColoQuick service staff for assistance.
	<p>There is no water in the water tank.</p> <p>There is not enough water in the water tank.</p>	<ol style="list-style-type: none"> 1. Fill the water tank with water up to the overflow level. 2. Disconnect from power source and start over. 3. Contact trained ColoQuick Service staff for assistance.
	The cartridge holder is not rotating.	<ol style="list-style-type: none"> 1. Make sure the cartridge holder is not blocked by any object. 2. Make sure the cartridge is placed correctly in the cartridge holder. 3. Contact trained ColoQuick Service staff for assistance.
	Temperature sensor error.	<ol style="list-style-type: none"> 1. Check that all cables are intact. 2. Contact trained ColoQuick Service staff for assistance.
	The cartridge rotation indicator placed in the upper right corner is not shown during thawing.	<ol style="list-style-type: none"> 1. Make sure the cartridge holder is not blocked. 2. Contact trained ColoQuick Service staff for assistance.
	<p>One or more of the three heating element indicators in the lower right corner is not showing.</p> <p><i>Note: Not all phases activate simultaneously during heating which is normal. If indicators are missing during full operation, contact ColoQuick service.</i></p>	<ol style="list-style-type: none"> 1. Check the phases are plugged in correctly. 2. Check all cables is intact. 3. Contact trained ColoQuick Service staff for assistance.

TECHNICAL INFORMATION – TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION	COMMENT
The water tank is not heating / cannot maintain the temperature.	<p>The heat fuse is disconnected.</p> <p>The heating element is broken.</p> <p>Error in the supply of voltage.</p> <p>The heat fuse is broken.</p>	<p>Reconnect the fuse.</p> <p>Replace the heating element.</p> <p>Contact trained, authorized ColoQuick staff.</p> <p>Change the heat fuse.</p>	<i>Always turn off the machine and pull out the power plug before opening the service door.</i>
The cartridges are not rotating.	<p>Bolt between the gear motor and clutch is broken.</p> <p>Lid switch is broken.</p>	<p>Replace the bolt (M4x40). Remember to hold the cartridge holder horizontally when mounting the new bolt.</p> <p>Contact trained ColoQuick service staff.</p>	<i>Always turn off the machine and pull out the power plug before opening the service door.</i>
Heats only periodically and/or the gear motor runs only periodically.	<p>Loose or damaged cables.</p> <p>Temperature sensor error.</p>	<p>Make sure all cables are plugged in to the controller.</p> <p>Replace broken and damaged cables.</p> <p>Contact trained ColoQuick service staff.</p>	<i>Always turn off the machine and pull out the power plug before opening the service door.</i>
No light in the display.	<p>Display is broken.</p> <p>Loose or damaged cables.</p> <p>Error in the supply of voltage.</p>	<p>Make sure all cables are plugged in to the controller.</p> <p>Replace broken and damaged cables.</p> <p>Replace broken display.</p> <p>Contact trained ColoQuick service staff.</p>	<i>Always turn off the machine and pull out the power plug before opening the service door.</i>



TECHNICAL INFORMATION – ADDITIONAL INFORMATION

Thawing time for a cartridge with colostrum in the ColoQuick thawing machine is normally about 20 min. This applies to a standard portion of 4 liters of colostrum with a quality of 50 grams of antibodies/liter (BRIX ~22%) that has been frozen to -14 °C / 7 °F.

THE FOLLOWING FACTORS CAN AFFECT THE THAWING TIME

- The amount of colostrum in the colostrum bag.
- Filling: Squeeze excess air out of the colostrum bag before screwing the lid back on.
- Freezing must take place in a horizontal position to achieve an equal distribution of colostrum in the colostrum bag.
- Unequal distribution may also make it difficult to place the cartridge in the water tank.
- The lower the freezer temperature, the longer the thawing time.
- The cartridge must be completely submerged in water when standing horizontally in the water tank.
- Thawing two cartridges at the same time in the water tank will prolong the thawing time.
- The water should have the desired end temperature when placing the cartridge in the water tank (40-42°C / 104-108 °F).
- The cartridge should rotate during thawing in the water tank.
- The higher quality of colostrum, the longer thawing time.

GENERALLY

- Do not let the cartridges stay in the machine for prolonged periods, as this can negatively impact the quality of the colostrum.
- The longer the colostrum is stored without being frozen, the greater bacterial growth will be. Rapid cooling and thawing is essential.
- The silicone hose on the filling station and the silicone hose in the Tube Feeder should be replaced regularly to ensure good hygiene.
- Optimal quality of the colostrum requires that all steps in handling colostrum, from milking to feeding, is executed with maximum regard to hygiene.

ABOUT SAFETY

Read this user manual thoroughly before installation and use.

- For your own sake and your surroundings.
- For correct operation and use of the equipment.

Always keep the user manual together with or near the machine, and keep it with you if you move, or give it to someone else.

The manufacturer can not be held responsible if the machine is installed incorrectly and thereby causes any damage or injury.

SAFETY FOR CHILDREN AND VULNERABLE PERSONS

- People in this category may only use the machine following thorough instruction or under the supervision of a trained individual.
- Do not let children play with the machine.
- Keep all packaging out of reach for children. There is a risk of suffocation or injury.
- Do not let children or pets near the machine while the lid is open.

GENERAL SAFETY

- The machine's specifications should not be changed. This can result in injury or damage to the machine.
- Do not use flammable products or items that have been dampened with flammable products in, near it or on the machine. There is a risk of explosion or fire.

MAINTENANCE AND CLEANING

- Turn off the machine and pull the plug from the wall outlet.
- Do not spray water directly on the machine.

INSTALLATION

- The machine is heavy (50 kg (110 lbs)) and difficult to handle. Be careful when moving it.
- The machine should be transported on a pallet. The machine's size corresponds to a ½ euro pallet.
- Never install and connect a damaged machine.
- Remove all wrapping prior to startup.
- Electrical and plumbing installations must only be installed by an authorized technician.
- Do not place or use the machine in any location where the temperature may fall below 5 °C / 41 °F or rise above 40 °C / 104 °F.
- When installing the machine, it must be placed on a firm, level surface.

CONNECTION AND ELECTRICITY

- Never turn on the machine without water in the water tank.
- Make sure the machine is grounded.
- Make sure the electrical data on the type plate corresponds to the power supply.
- Always use a correct and legally installed mains connection.
- Do not use power strips or extension cords. There is a risk of fire.
- Do not replace the electrical cord. Instead, contact the service center.
- Be careful not to damage the main plug and cable.
- Wait until the main connection installation is complete to plug in the machine. Make sure the plug can be accessed after installation.
- Avoid unplugging the machine by pulling the cord. Always hold the plug when pulling.

DISPOSING OF THE MACHINE

1. Pull the plug out of the socket.
2. Cut the cord in two and dispose of it.

ENVIRONMENTAL CONSIDERATION / PACKAGING MATERIAL

- Dispose of packaging material in the appropriate containers for recycling.
- **All parts can be recycled!**



WARNING

This machine should not be used if the lid to the electrical installations is open.

If you have questions, please contact us at:

ColoQuick

T +45 97 53 73 33
info@coloquick.com



COLOQUICK

FIRST MEAL - BIG DEAL

