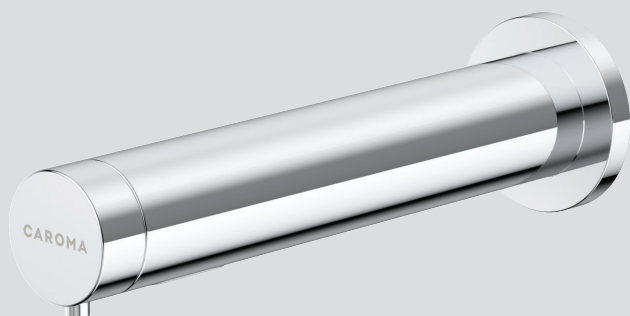




HANDS FREE WALL MOUNTED

G SERIES ELECTRONIC SOAP DISPENSER 144

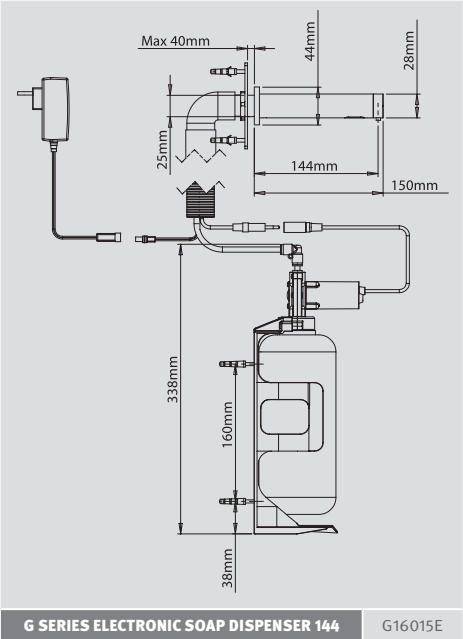
INSTALLATION AND MAINTENANCE GUIDE

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TECHNICAL DATA



Capacity	1 Litre
Power Supply	12V transformer (Optional battery box available, refer to spare parts online)
Soap viscosity	100 – 3800 cPs
Standard discharge	1.4cc, Adjustable
Sensor range	35-155 mm +/- 10 mm (customizable by optional remote control)
Preset sensor range	80 mm +/- 10 mm

Spare parts and accessories can be downloaded from specify.caroma.com.au

PRE-INSTALLATION INFO

Check contents

Separate all parts from the packaging and check each part with the “Pack contents” section.

Make sure all parts are accounted for before discarding any packaging material.

If any parts are missing, do not attempt to install your touch free soap dispenser until you obtain the missing parts.

Warnings

Do not install the system facing a mirror or any other electronic system operated by an infra-red sensor.

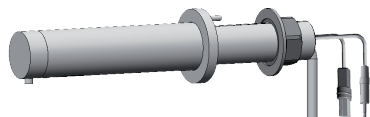
To prevent reflection problems, it is recommended to keep a minimum distance of 300 mm between the soap dispenser and any other objects.

IMPORTANT: Keep in mind that when using the outlet installed next to the soap dispenser, the user hands should not interfere with the soap dispenser sensor detection area.

Caroma liquid soap dispensers, with proper care, will provide long term trouble free service. Quality liquid soap of recommended viscosity and pH levels are the main factors for smooth operation of your dispenser. If needed, use a viscometer to verify the viscosity of your soap to ensure maximum benefit. The recommended range for liquid soap viscosity is 100-3800 cPs. Thicker liquid soap flows slower and inhibits the pump valve, causing strain and damage.

Caroma liquid soap dispensers are suitable for use with any generic liquid soap of the correct viscosity and pH. The pH level of all soap used in Caroma liquid soap dispensers should be between 6.5 to 8.5. Lower levels will cause corrosion to the metal dispenser and even the rubber and plastic components. Higher pH levels will cause swelling to rubber parts and degradation of plastic components over time.

PACK CONTENTS



1 X BODY ASSEMBLY



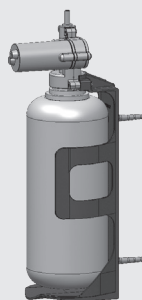
**1 X QUICK
CONNECTION
FITTING**



**2 X SCREW
3.5X1 1/4"**



**1 X TEMPORARY
BASE COVER**



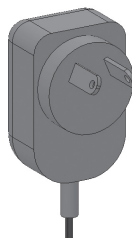
**1 X SOAP TANK WITH BOTTLE SUPPORT
AND PUMP ASSEMBLY**



**1 X ELBOW AND
CORRUGATED TUBE**



1 X WALL ROSETTE



POWER SUPPLY

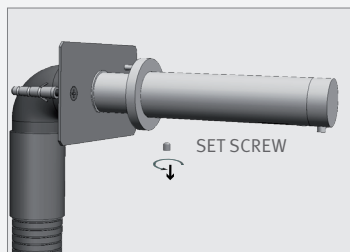
INSTALLATION

INSTALLING THE SOAP DISPENSER

1

Cut an adequate opening in the wall for the dimensions of the soap dispenser base (where you want to install the spout) and the corrugated tube.

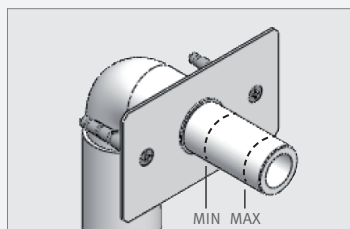
Disconnect the soap dispenser body with the rosette from the base by unscrewing the set screw.



2

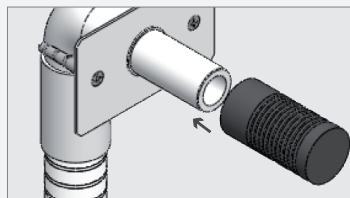
Mount the soap dispenser base into the opening in the wall and secure it using the two anchors provided in the package.

Important: The soap dispenser base should be installed so that the outside surface of the finished wall falls between the minimum and maximum lines marked at the base.



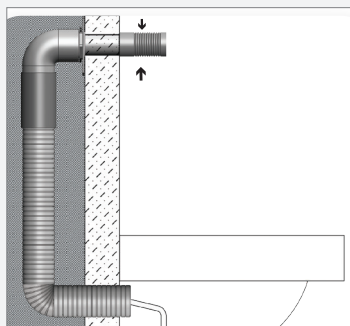
3

Assemble the temporary protective soap dispenser base cover.



4

Assemble the corrugated tube to the soap dispenser base and make sure it stays outside the wall when you do the tiling.



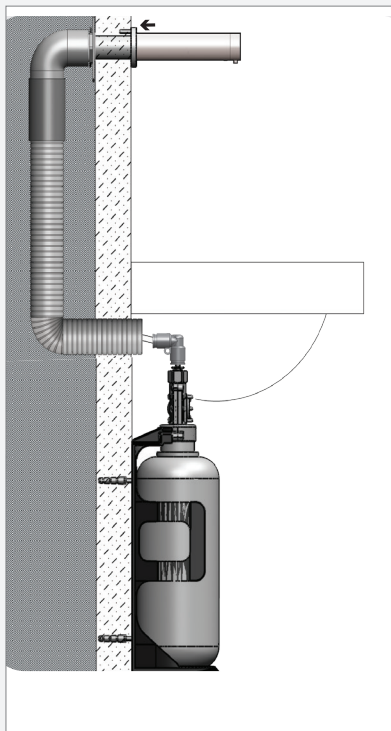
INSTALLATION

5

Once the works on electricity, plumbing and tiles have been finished, insert the wall rosette through the soap dispenser base, and the temporary soap dispenser base cover.

Fix the soap dispenser spout by inserting the nipple into the soap dispenser base and tighten the screw.

Carefully tie the flexible leads (power and sensor) with string to the soap tube and lead it through the corrugated tubing.



INSTALLATION

CONNECTING THE POWER SOURCE

1

Remove the protective sticker covering the sensor. Keep away from the sensor range and check that no objects are in front of the sensor.



2

Connect the soap pump connector to the matching connector from the sensor. Please note that since the connector is waterproof, some friction might apply.

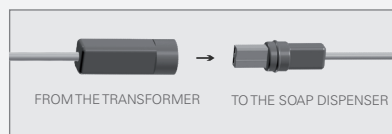


IMPORTANT: the 4 contacts connector should be connected properly so that the white o-ring is not visible and a clicking sound is heard.

PAY ATTENTION: If the 4 contacts connectors will not be connected properly, the pump will work continuously.

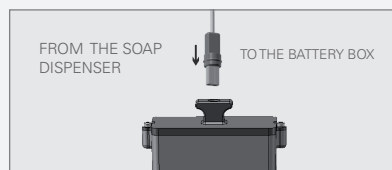
2a

Connecting the transformer: plug the transformer into the electricity socket and connect the transformer connector.



2b

Connecting the battery box (optional): install the battery box on the wall underneath the sink and connect the battery connector.



3

Wait about 10 seconds before you put your hands within the sensor range to avoid entering the adjustment mode.



ABOUT
10
SECONDS

FILLING THE SOAP TANK

1

Unscrew the soap tank from the pump assembly and pull it out from the bottle support.



2

Fill in the liquid soap up to the top line.



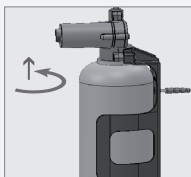
3

Insert the bottle back into the bottle support.



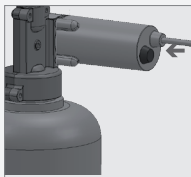
4

Screw the soap tank back into the pump assembly. Make sure the tank is firmly secured into place.



5

Press the refill button located at the back of the pump assembly until soap starts coming out of the soap dispenser spout. This operation can also be done using the soap dispenser remote control Refill function.



NOTE: Once the soap in the soap tank has reached the bottom line the soap tank should be refilled. To refill the soap tank please refer to steps 1-5.



REMOTE CONTROL FUNCTIONS (OPTIONAL)

If you purchase the remote control together with your soap dispenser, you may adjust the dispenser settings if required. To use the remote control hold it straight in front of the sensor at a distance of about 10-15 cm.

Attention: The remote control held out of the recommended range (too close or too far) will not operate.

The remote control can be used to adjust the following functions:

1-SOAP QUANTITY

The 1-4 drop keys allow the user to choose the desired soap quantity. *

① 0.7 to 0.9

② 1.2 to 1.6

③ 1.6 to 1.9

④ 2.1 to 2.3

Indication: continuous blinking of the LED in the sensor eye.

*The exact dosage depends on soap viscosity.

2-ADJ

This function resets the sensor back to factory settings.

Indication: 2 blinks of the LED in the sensor eye.

3-TEMPORARY OFF FUNCTION

This function is ideal to perform any kind of activity in front of the sensor without operating the system (for example, cleaning). The soap dispenser will remain shut for one minute when this button is pressed once.

To cancel this function and to return to normal operation press the On/Off button again or wait for one minute.

Indication: OFF – 2 fast blinks, ON – 4 fast blinks

4-FILL THE SOAP TANK

Once the soap tank has been filled / re-filled, press the FILL button. The pump will run for one minute for priming the soap to the soap dispenser spout.

To stop this activity press the FILL button again. If the soap has not started coming out of the spout, press the Fill button again.



BATTERY REPLACEMENT

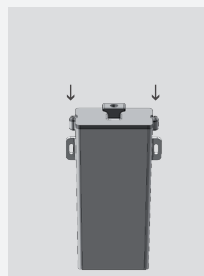
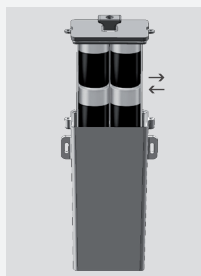
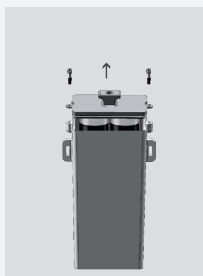
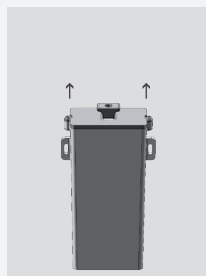
Optional Battery Box

When the battery weakens, the red indicator light will blink at a constant rate when the user's hands are within the sensor range. The battery must be replaced within two weeks.

To replace the battery:

1. Carefully open the battery box, use a 2.5 mm Allen key
2. Remove the old batteries
3. Replace the used batteries with new D batteries
4. Close the box.

NOTE: Do not mix used batteries with new ones.



IMPORTANT: Spent batteries should not be disposed of with normal household waste. Contact your local authority for information on waste disposal and recycling.



MAINTENANCE

Care and cleaning of chrome and special finishes

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like. Use of any prohibited cleaning or maintenance products or substances could damage the surface of the soap dispenser. For surface cleaning use ONLY soap and water, then wipe dry with a clean cloth or towel. When cleaning bathroom tiles, the soap dispenser should be protected from any splattering of harsh cleansers.

Disassemble of the soap pipe from the pump

The soap pipe can be disconnected from the soap pump by a simple slide & pull action. The sliding ring of the quick connection fixation nipple on the pump should be pulled down. It releases the open end of the soap pipe which can then be easily pulled out.

Clean the soap tank

Clean out the tank prior to refill by flushing warm water through the hoses and pump until clean water is released from the spout. TIP: Keeping a spare tank will enable this process to be completed in a speedy and hygienic manner with minimal downtime.

LIMITED WARRANTY

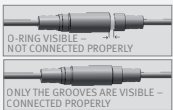
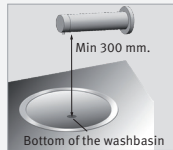
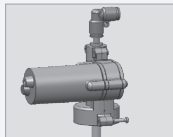
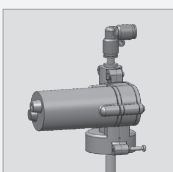
Please refer to www.caroma.com.au for details on warranty of this product.

If you have any other questions do not hesitate to contact customer service on 13 14 16.

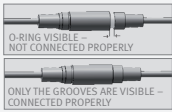
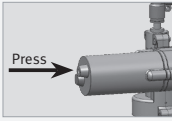
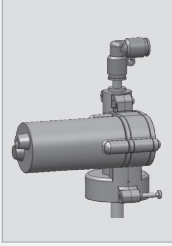
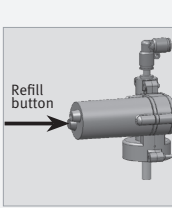
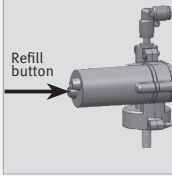
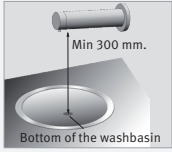
Please note, warranty does not cover product damage caused by the following:

- Incorrect installation.
- inversions of supply pipes.
- Improper manipulation, tampering, bad or lapsed maintenance.
- Foreign bodies, dirt or scale introduced by the soap tank.
- Use of the soap outside of viscosity specifications.
- Alteration of the original soap dispenser components (including pipes).

TROUBLESHOOTING

Indication	Investigation	Cause	Solution	Illustration
False activation: Soap dispensing	Continuous discharge from the nozzle	AUX connector not fully inserted	The connector should be inserted fully until white o-ring is not visible. Remove the o-ring if necessary	
	Random discharge from the nozzle	Reflection issue from basin or other object	Eliminate any cause of reflection and if necessary use appropriate remote control to shorten detection range.	
	Soap discharging from pump housing.	Damaged pump due to high viscosity or debris in pipes	Replace the Pump. Rinse warm water through the pipe and the body of the soap dispenser all the way to the nozzle.	
Soap not dispensing	Pump is making sounds when sensor is activated	Soap tank is empty	Fill with soap with correct viscosity (100 - 3800 cPs) and prime pipes using the fill button on remote control.	
		Soap dispenser has not been primed	Prime the soap dispenser by pressing the fill button on the remote or by pressing the refill button located at the bottom of the pump, until soap exits the nozzle.	
		Damaged pump (discharge from housing)	Replace the Pump	
		Debris or dried soap in the pipe or tank	Run warm water through pipe, pump, and body all the way to the nozzle. Replace with soap of correct viscosity.	
		High viscosity soap (> 3800 cPs)	NOTE: Using the soap dispenser with high viscosity soap may cause permanent damage to the pump and shorten the lifecycle.	
		Bent pipes	Unbend or straighten pipes.	

TROUBLESHOOTING

Indication	Investigation		Cause	Solution	Illustration
Soap not dispensing	Pump is not making sound when the sensor is activated	Sensor is blinking when hand is placed in front	AUX connector not fully inserted	The connector should be inserted fully until the white o-ring is not visible. Remove the o-ring if necessary	
			Refill button on pump does not activate the pump.	Replace the Pump. Rinse warm water through the pipe and the body of the soap dispenser all the way to the nozzle.	
			Damaged pump (discharge from housing).		
			Debris or dried soap in the tank or tubing	Run warm water through pipe, pump, and body all the way to the nozzle. Replace with soap of correct viscosity. NOTE: Using the soap dispenser with high viscosity soap may cause permanent damage to the pump and shorten the lifecycle.	
	Sensor is not blinking when hand is placed in front	Refill button on pump does not activate the pump.	Transformer: Check operation with functioning transformer. Where necessary replace with appropriate transformer.		
				Battery: Check operation with functioning battery pack. Where necessary, replace batteries or replace the battery pack: Battery pack (without batteries)	
			Reflection issue from basin or other object	Eliminate any cause of reflection and use appropriate remote control to shorten detection range.	
			Damaged sensor	If the above two solutions have not resolved this issue replace with appropriate sensor.	