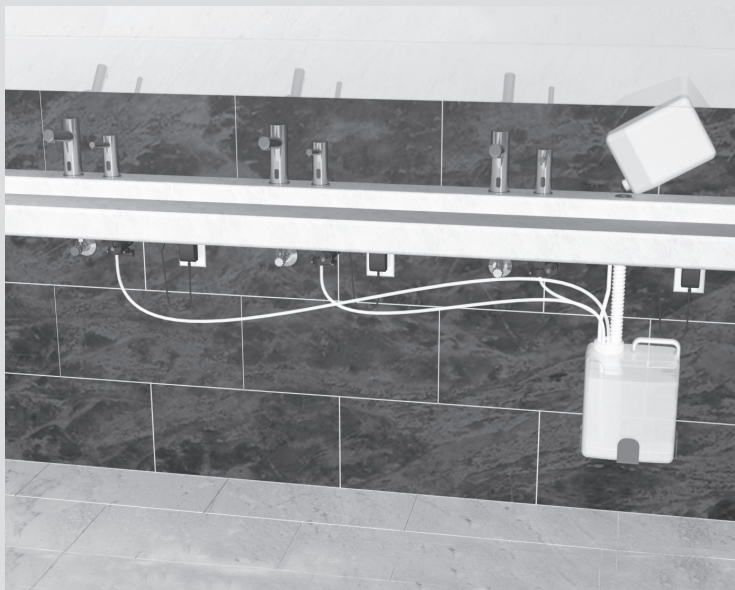


stern

STERN ENGINEERING LTD.



MULTIFEED SOAP AND FOAM DISPENSERS WITH TOP FILLING MULTIFEED KIT

SMART / SMART PLUS / EXTREME / EXTREME PLUS / TRENDY /
TRENDY PLUS / ELITE / ELITE PLUS / GREEN / GREEN 28 / SWAN /
QUADRAT / QUADRAT 2030 / TUBULAR / TUBULAR 2030

INSTALLATION AND MAINTENANCE GUIDE

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TOP FILLING MULTIFEED KIT

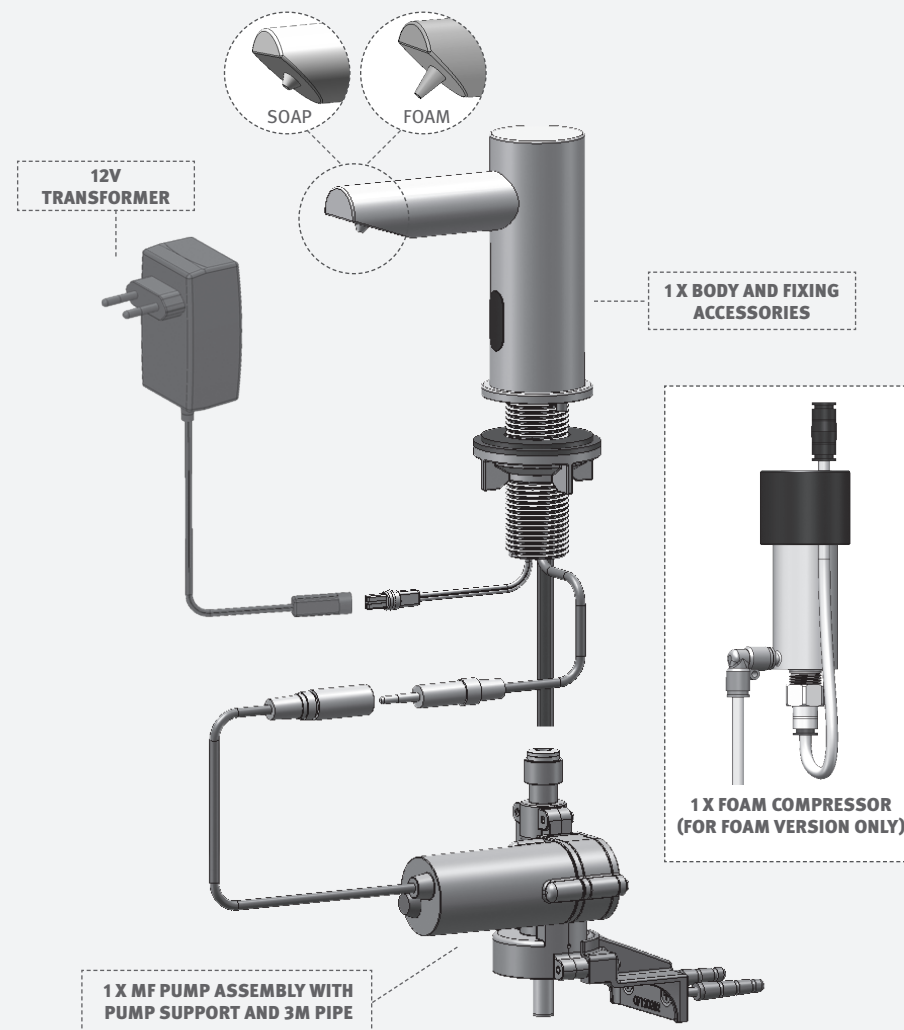
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PACK CONTENTS

MF DECK MOUNTED DISPENSERS

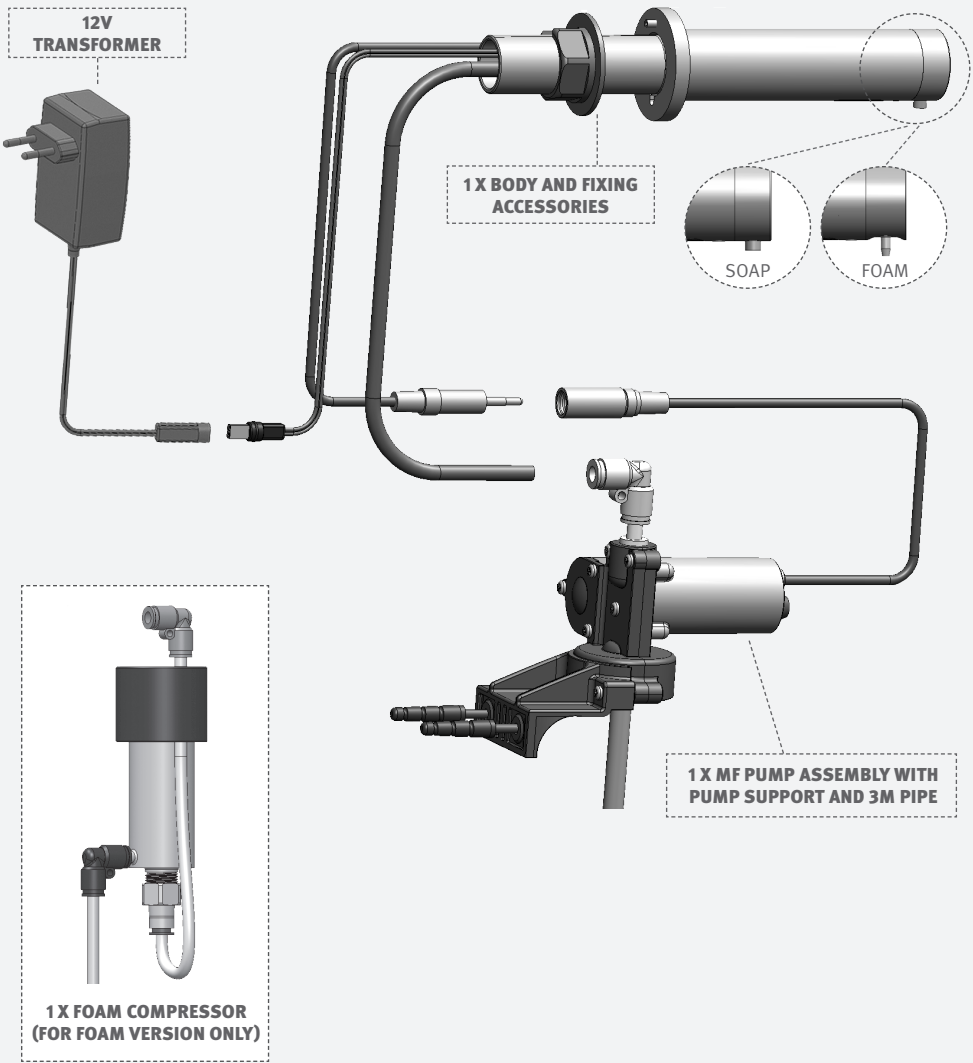
Familiarize yourself with the part names and ensure all the parts are included in your package.



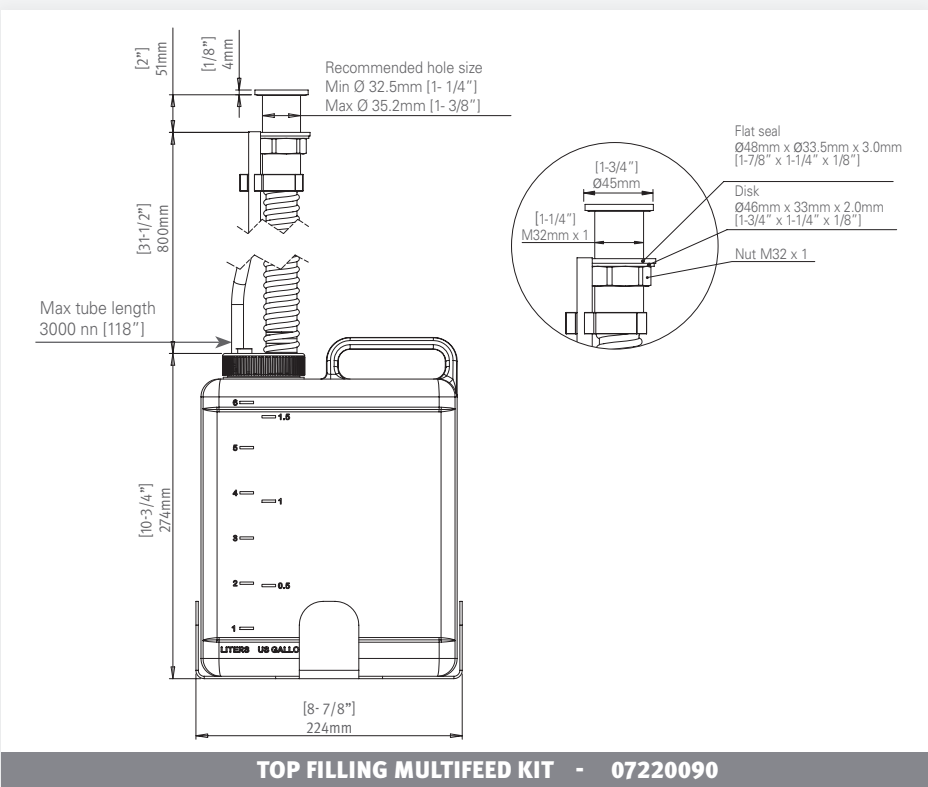
PACK CONTENTS

MF WALL MOUNTED DISPENSERS

Familiarize yourself with the part names and ensure all the parts are included in your package.



TECHNICAL DATA



RECOMMENDED HOLE SIZE:	
Top filling kit:	Min: Ø32.5 mm (1.280") Max: Ø35.2 mm (1.385")
MF deck mounted soap dispenser:	Min: Ø25 mm (1.024") Green 28 only: Min: Ø20 mm (0.78") Max: Ø29mm (1.181") Green 28 only: Max: Ø24 mm (0.94")
MF wall mounted soap dispenser:	Min: Ø23 Mm (0.906") MAX: Ø28MM (1.575")
Capacity:	6 Liters /1.6 Gallon
Power Supply:	12 V Transformer
Liquid Soap Viscosity:	100 – 3800 cPs
Foam Soap Viscosity:	up to 100 cPs

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 the system until you obtain the missing parts.

IMPORTANT

- 1) Pay attention to the recommended hole size of the Top Multifeed cap as advised in the 'technical data' section.
- 2) Keep in mind that when using the faucet installed next to the soap dispenser, the user hands should not interfere with the soap dispenser sensor detection area.
- 3) During pre-installation preparations keep in mind the maximum pipe length provided for the multifeed installation is 3 meters.

WARNINGS

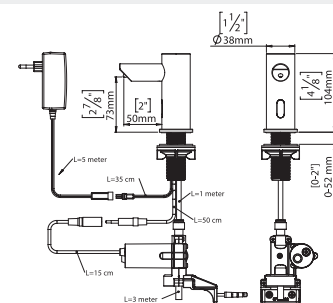
- 1) Do not install the soap dispensers facing a mirror or any electronic system operated by an infrared sensor.
- 2) To prevent reflection problems it is recommended to keep a minimum distance of 1.50 meters between the soap dispensers and any other objects.

Stern liquid / foam 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 soap viscosity is 100-3800 cPs for liquid and up to 100 cPs for foam soap dispensers. Thicker liquid soap flows slower and inhibits the pump valve, causing strain and damage.

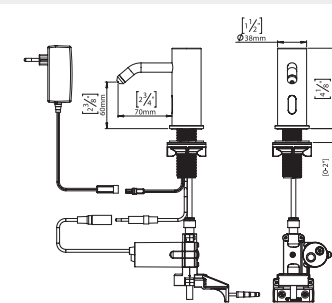
Stern liquid / foam soap dispensers are suitable for use with any generic liquid soap of the correct viscosity and pH. The pH level of all soap used in Stern liquid soap dispensers should be between 6.5 to 8.5. Lower levels will cause corrosion to the metal dispenser and even the rubber and plastic components.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

TECHNICAL DRAWINGS

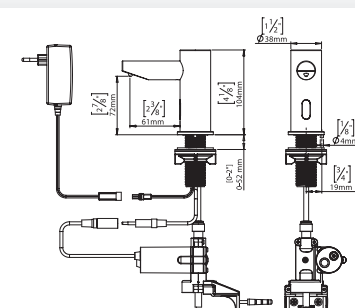
LIQUID SOAP DISPENSERS



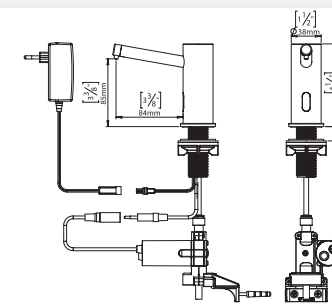
MF SMART SOAP DISPENSER
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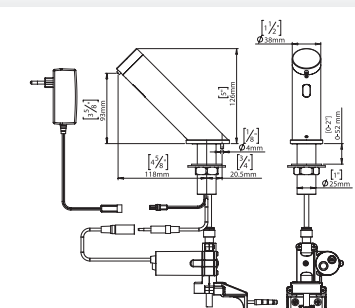
MF EXTREME SOAP DISPENSER
07292056



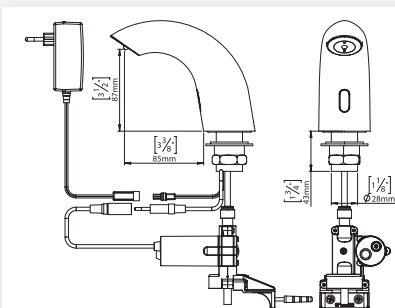
MF TRENDY SOAP DISPENSER
07292073



MF ELITE SOAP DISPENSER
07292077



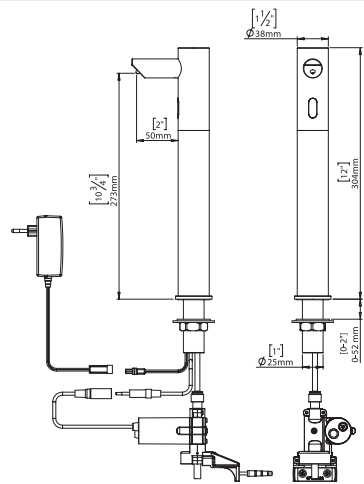
MF GREEN SOAP DISPENSER
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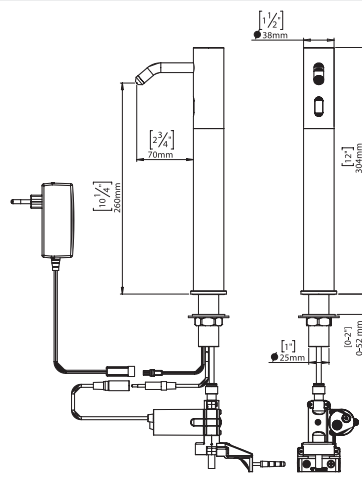
MF SWAN SOAP DISPENSER
07292117

TECHNICAL DRAWINGS

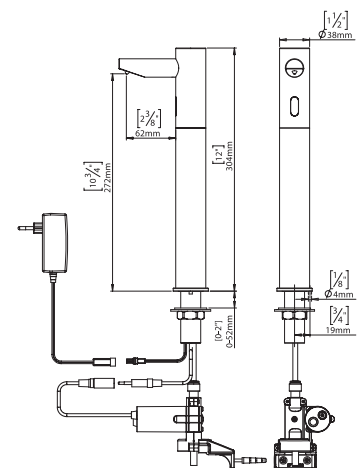
LIQUID SOAP DISPENSERS



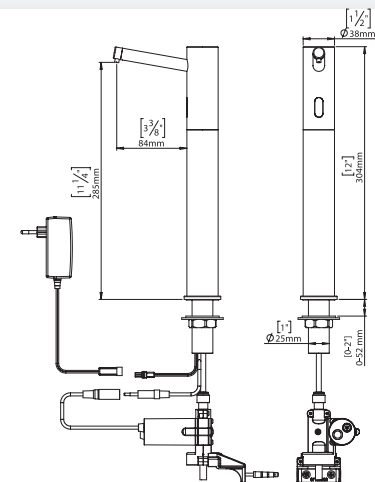
MF SMART SOAP DISPENSER PLUS
07292118



MF EXTREME SOAP DISPENSER PLUS
07292095



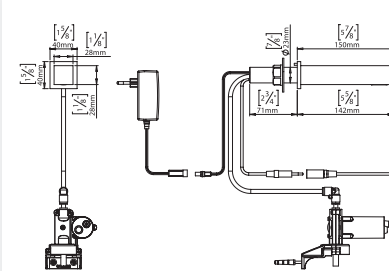
MF TRENDY SOAP DISPENSER PLUS
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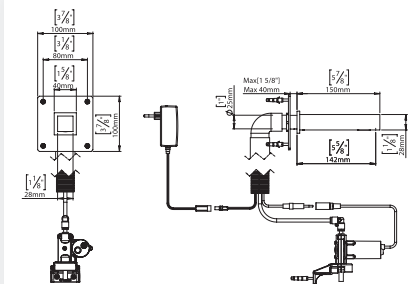
MF ELITE SOAP DISPENSER PLUS
07292093

TECHNICAL DRAWINGS

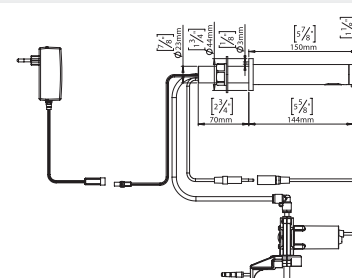
LIQUID SOAP DISPENSERS



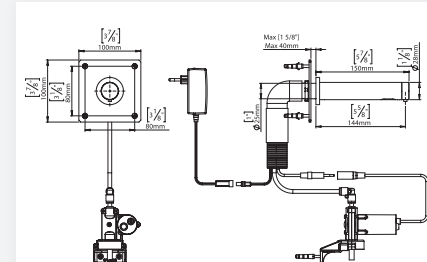
MF QUADRAT SOAP DISPENSER
07292078



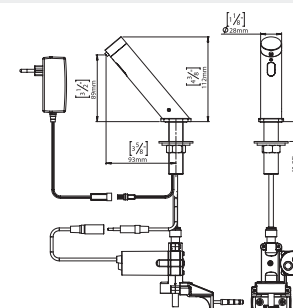
MF QUADRAT SOAP DISPENSER 2030
07292094



MF TUBULAR SOAP DISPENSER
07292076



MF TUBULAR SOAP DISPENSER 2030
07292081

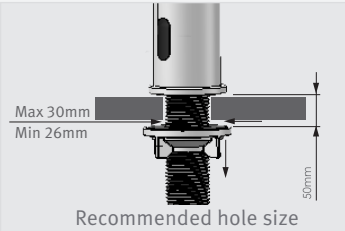
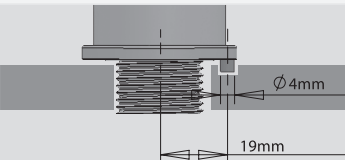
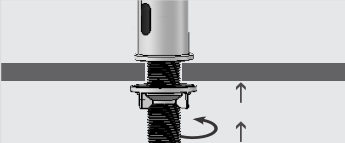
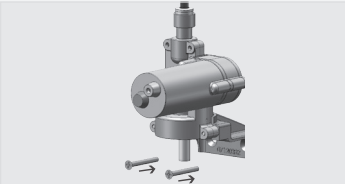
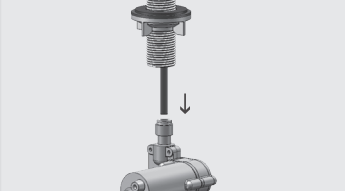


MF GREEN 28 SOAP DISPENSER
07292155

INSTALLATION

MF LIQUID DECK MOUNTED SOAP DISPENSERS

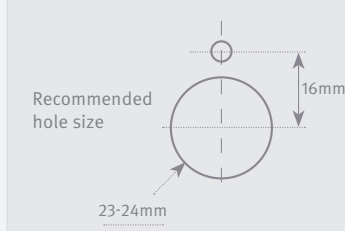
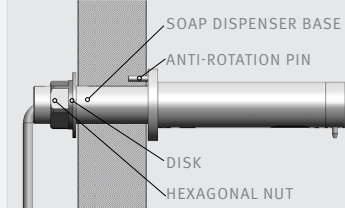
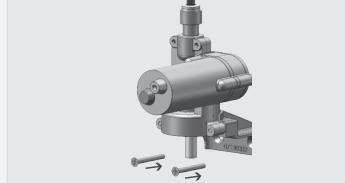
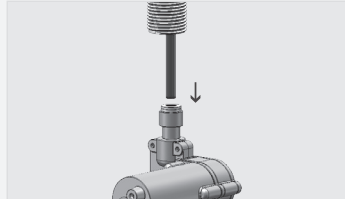
STEP 1 – INSTALLING THE MF SOAP DISPENSER

1	<p>Drill a hole in the deck or lavatory according to the MF soap dispensers recommended hole size specified in the 'Technical Data' section of this manual. drill a small hole (4 mm) just beside the main installation hole. consult the relevant technical drawing.</p> <p>Remove the nut, disk and gasket from the base of the MF soap dispenser body.</p>	 <p>Recommended hole size</p>
	<p>If your dispenser is supplied with anti-rotation solution, drill an additional hole for anti-rotation pin.</p>	 <p>Ø4mm 19mm</p>
2	<p>Install the soap dispenser body along with the bottom ring into the hole in the deck or lavatory and slide the gasket, disk and nut over the soap dispenser body nipple and secure it.</p>	
3	<p>Fix the soap pump using its support to the desired location.</p>	
<p>IMPORTANT: Make sure the soap pipe from the pump is cut to the length required by the installation.</p>		
4	<p>Connect the soap tube extending from the soap dispenser body to the quick connector at the top of the soap dispenser pump assembly by snapping it in.</p>	

INSTALLATION

MF LIQUID WALL MOUNTED SOAP DISPENSERS

STEP 1 – INSTALLING THE MF SOAP DISPENSER

1	<p>Drill a hole at the desired location on the wall according to the MF soap dispensers recommended hole size specified in the 'Technical Data' section of this manual. drill a small hole (4 mm) just above the main installation hole. consult the relevant technical drawing.</p> <p>Remove the hexagonal nut and the disk from the base of the soap dispenser spout.</p>	 <p>Recommended hole size</p>
2	<p>Insert the Soap dispenser base and the anti-rotation pin into the drilled holes. Fix the base behind the wall with the hexagonal nut and the disk.</p>	
3	<p>Fix the soap pump using its support to the desired location.</p>	
<p>IMPORTANT: Make sure the soap pipe from the pump is cut to the length required by the installation.</p>		
4	<p>Connect the soap tube that extending from the soap dispenser body to the quick connector at the top of the soap dispenser pump assembly by snapping it in.</p>	

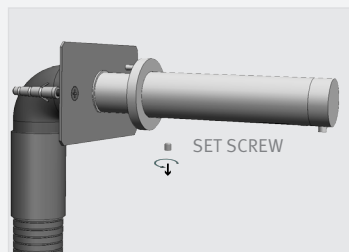
INSTALLATION

MF LIQUID WALL MOUNTED SOAP DISPENSERS 2030 VERSIONS

STEP 1 – INSTALLING THE MF SOAP DISPENSER

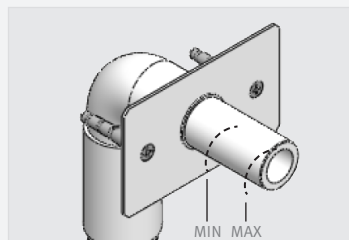
1

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.



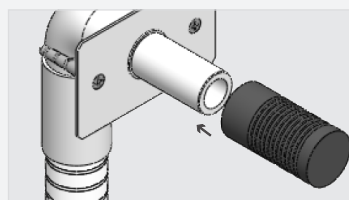
2

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.



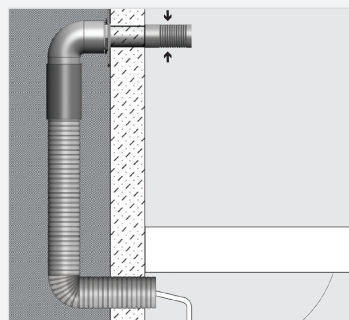
3

Attach 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.



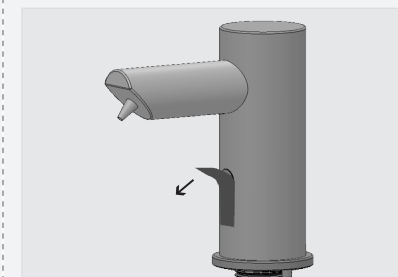
INSTALLATION

LIQUID SOAP DISPENSERS

STEP 2 – CONNECTING THE POWER SOURCE

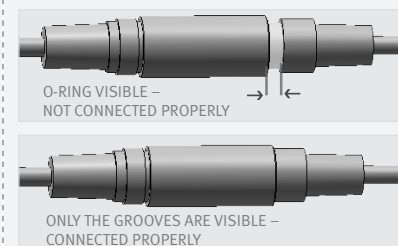
1

Remove the protective sticker covering the sensor.



2

Connect the soap dispenser pump connector to its matching connector on the electronic unit. Please note that since the connector is waterproof, some pressure must be applied for a perfect seal.



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 are not connected properly, the soap dispenser pump will not operate properly.

3

Plug the transformer into the electricity socket and connect the transformer connector



4

Wait about 10 seconds before placing your hands in the sensor range to avoid adjustment mode.



REMOTE CONTROL FUNCTIONS

LIQUID SOAP DISPENSERS

If you acquired 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 (4-6").

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.



SPARE PARTS LIST

LIQUID SOAP DISPENSERS

Top Multifeed Cap Kit	07270214
Soap Filling Kit	07260032
Input Plug Kit	07260034
Coupling cap for 6 tubes and accessories	07270236
Soap Tank 6L	07100023
Soap Tank Support	07055223
12V Transformer EU plug	06522081
12V Transformer UK plug	06522086
12V Transformer US plug	06522080
12V Transformer AU plug	06522085
12V Transformer Universal (EU/UK/US) plug	06522082
10-pack Sensor Kit MF Smart, Trendy, Elite, Extreme, Swan SD	07220339
10-pack Sensor Kit MF Green SD	07220340
10-pack Sensor Kit MF Green 28, Tubular, Tubular 2030, Quadrat, Quadrat 2030 SD	07220322
10-pack Sensor Kit MF Smart, Trendy, Elite, Extreme Plus SD	07220350
Pump assembly MF Smart, Trendy, Elite, Extreme, Green, Green 28, Swan, Plus SD	07222015
Pump assembly MF Tubular, Tubular 2030, Quadrat, Quadrat 2030 SD	07222020
Seals and Screws Kit MF Smart, Trendy, Elite, Extreme, Plus SD	07210088
Seals and Screws Kit MF Green SD	07210143
Seals and Screws Kit MF Green 28 SD	07210164
Seals and Screws Kit MF Swan SD	07210140
Seals and Screws Kit MF Tubular SD	07210098
Seals and Screws Kit MF Tubular 2030 SD	07210150
Seals and Screws Kit MF Quadrat SD	07210155
Seals and Screws Kit MF Quadrat 2030 SD	07210128
Remote Control for Soap Dispenser	07100008

SPARE PARTS LIST

LIQUID SOAP DISPENSERS

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 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.	

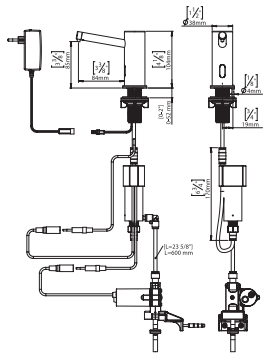
TROUBLESHOOTING

LIQUID SOAP DISPENSERS

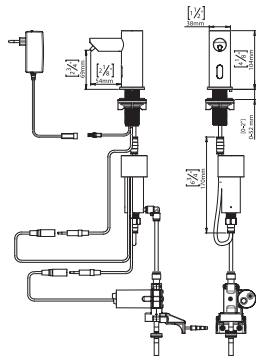
Indication	Investigation	Cause	Solution	Illustration
Soap not dispensing	Pump is making sounds when sensor is activated	Tip of inlet pipe is not immersed in soap	Ensure that the tip of the inlet pipe is fully immersed in the soap. For earlier models check that the pipe has not been pushed so far that the tip has risen above soap level. The new models have an additional sleeve for the pipes preventing this from occurring.	
		6mm pipe connecting pump to dispenser outlet has come loose 8 mm pipe connecting pump to tank has come loose	Check that all pipes are connected firmly to the pump. If necessary remove pipe, cut 7 mm and replace firmly.	
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. For part numbers see spare parts list. Battery: Check operation with functioning battery pack. Where necessary, replace batteries or replace the battery pack: Battery pack (without batteries)	
		Reflection issue from 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. For part numbers see spare parts list.	

TECHNICAL DRAWINGS

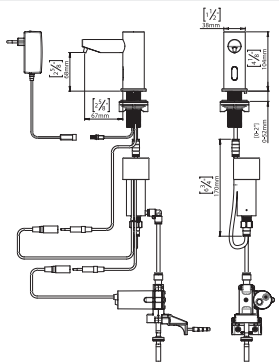
FOAM SOAP DISPENSERS



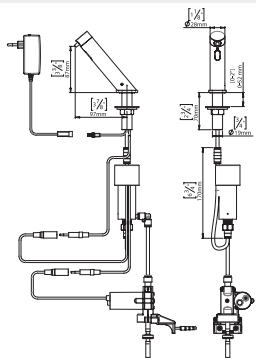
MF ELITE FOAM DISPENSER 07292205



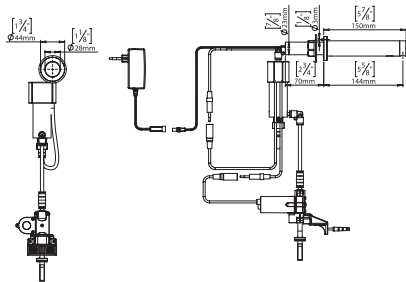
MF SMART FOAM DISPENSER 07292175



MF TRENDY FOAM DISPENSER 07292183



MF GREEN 28 FOAM DISPENSER 07292206



MF TUBULAR FOAM DISPENSER 07292186

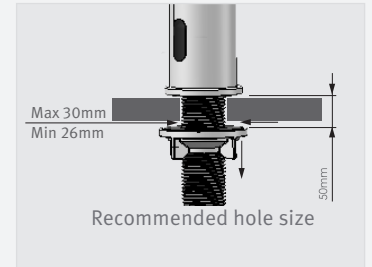
INSTALLATION

MF FOAM DECK MOUNTED SOAP DISPENSERS

STEP 1 – INSTALLING THE MF SOAP DISPENSER

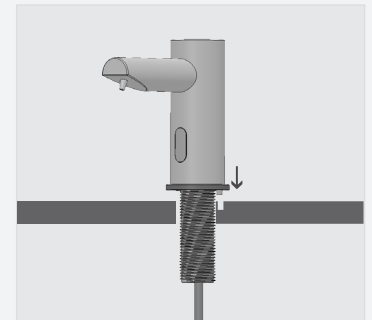
1

Drill a hole in the deck or lavatory according to the MF soap dispensers recommended hole size specified in the 'Technical Data' section of this manual. drill a small hole (4 mm) just beside the main installation hole. consult the relevant technical drawing.



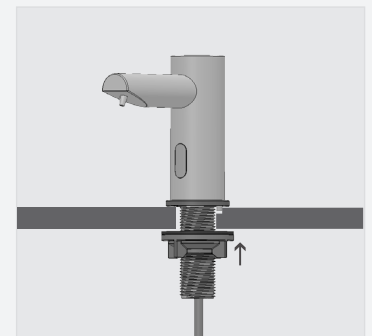
2

Insert the soap dispenser body and the anti rotation pin along with the rosette into the drilled holes.



3

Secure the gasket, disk and nut over the soap dispenser body nipple under the deck.

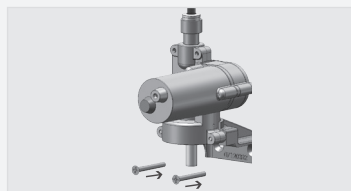


INSTALLATION

MF FOAM DECK MOUNTED FOAM SOAP DISPENSERS

4

Fix the soap pump using its support to the desired location.



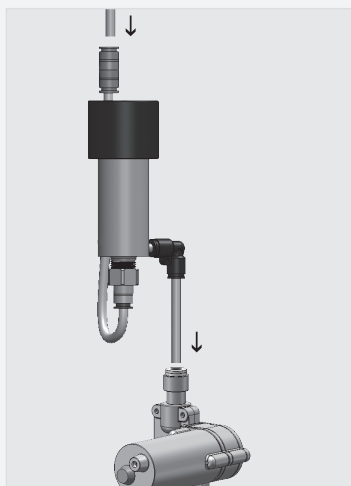
5

Connect the tube extending from the soap dispenser body to the quick connection fitting at the top of the foam compressor by snapping it in.



6

Connect the tube extending from the foam compressor to the quick connector at the top of the foam soap dispenser pump by snapping it in.



IMPORTANT: Make sure the soap pipe extending from the pump is cut to the length required by the installation.

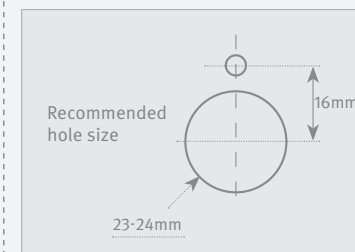
INSTALLATION

MF FOAM WALL MOUNTED FOAM SOAP DISPENSERS

STEP 1 – INSTALLING THE MF SOAP DISPENSER

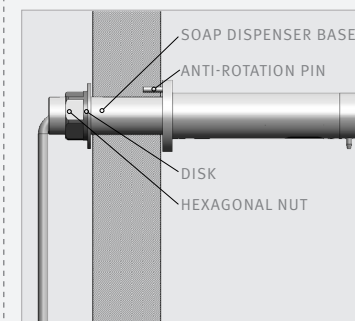
1

Drill a hole at the desired location on the wall according to the MF soap dispensers recommended hole size specified in the 'Technical Data' section of this manual. drill a small hole (4 mm) just above the main installation hole. consult the relevant technical drawing. Remove the hexagonal nut and the disk from the base of the soap dispenser spout.



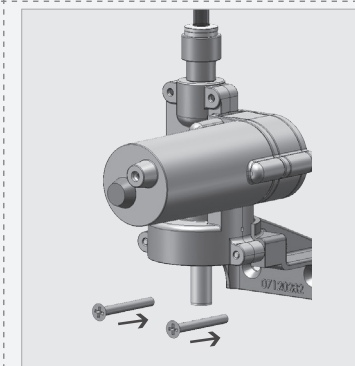
2

Insert the Soap dispenser base and the anti-rotation pin into the drilled holes. Fix the base behind the wall with the hexagonal nut and the disk.



3

Fix the soap pump with support to the desired location.



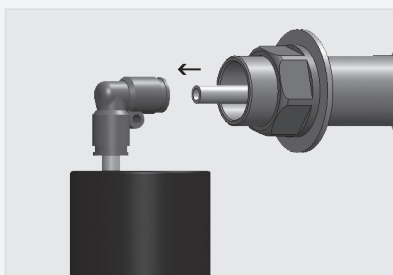
IMPORTANT: Make sure the soap pipe extending from the pump is cut to the length required by the installation.

INSTALLATION

MF FOAM WALL MOUNTED FOAM SOAP DISPENSERS

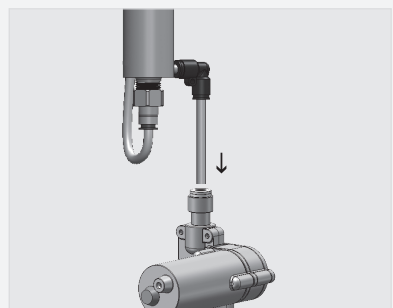
4

Connect the tube extending from the soap dispenser body to the quick connection fitting at the top of the foam compressor by snapping it in. Make sure it is firmly plugged in.



6

Connect the tube extending from the foam compressor to the top of the soap dispenser pump by snapping it into the quick connection.



IMPORTANT: Make sure to cut the tube to the minimum required length

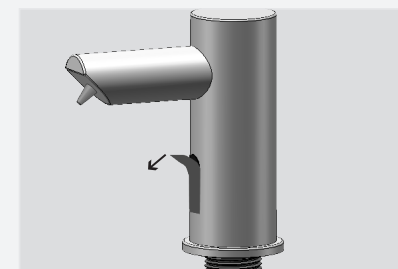
INSTALLATION

FOAM SOAP DISPENSERS

STEP 2 - CONNECTING THE POWER SOURCE

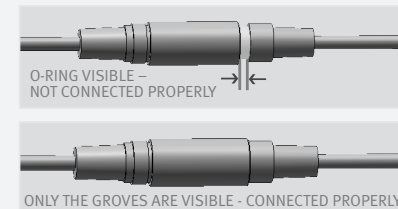
1

Remove the protective sticker covering the sensor. Keep away from the sensor range.



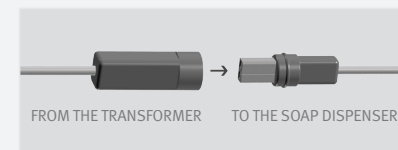
2

a. Connect the foam compressor 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 are not connected properly, the motor will work continuously.

b. Connect the transformer connector to the matching connector from the sensor and plug the transformer into the electricity socket.



3

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



REMOTE CONTROL FUNCTIONS

FOAM SOAP DISPENSERS

If available, the foam dispenser remote control can adjust the dispenser's settings. To use the remote control hold it in front of the sensor at a distance of 10-15cm (4-6").

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

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

1-SOAP QUANTITY

Press the + sign on the SOAP button to increase the soap quantity by increasing the dispensing time. Press the - button to decrease it.

Indication: continuous blinking LED in the sensor eye.

2-AIR QUANTITY

To improve soap consistency ("foamability") change the amount air to be mixed. Press the + sign on the AIR button to increase the air quantity and the - to decrease it.

Indication: 2 blinks of the blue light in the sensor eye.

3-RES

This function resets the sensor back to its factory settings.

4-TEMPORARY OFF FUNCTION

This function temporary disables the dispenser. Use this function to preform maintenance in front of the sensor without activating the system (for example: cleaning). The soap dispenser will shut off for one minute after this button is pressed once.

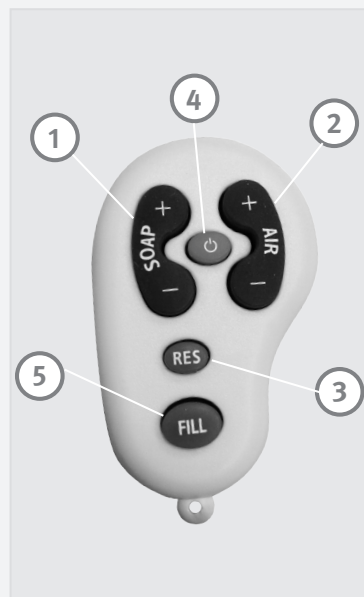
To return to normal operation before the minute is over, press the On/Off button again.

5-FILL THE SOAP TANK

Once the soap tank has been filled \refilled, press the FILL button. The pump will run for one minute, priming the piping with soap.

Once soap begins dispensing from the spout, priming is complete. press the FILL button again to stop the priming before the minute is over.

Indication: continuous solid LED in the sensor eye.



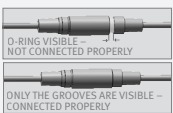
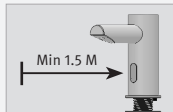
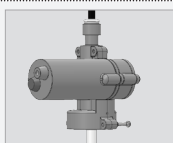


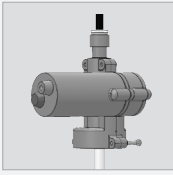

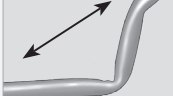
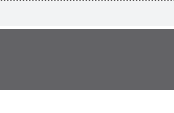
SPARE PARTS LIST

FOAM SOAP DISPENSERS

Top Multifeed Cap Kit	07270214
Soap Filling Kit	07260032
Input Plug Kit	07260034
Coupling cap for 6 tubes and accessories	07270236
Soap Tank 6L	07100023
Soap Tank Support	07055223
12V Transformer EU plug	06522081
12V Transformer UK plug	06522086
12V Transformer US plug	06522080
12V Transformer AU plug	06522085
12V Transformer Universal (EU/UK/US) plug	06522082
10-pack Sensor Kit MF Smart, Trendy, Elite, Extreme Foam	07220331
10-pack Sensor Kit MF Green 28, Tubular Foam	07220338
Pump+Compressor Kit MF Smart, Trendy, Elite, Extreme, Green 28 Foam	07222024
Pump+Compressor Kit MF Tubular Foam	07222025
Seals and Screws Kit MF Smart, Trendy, Elite, Extreme Foam	07210162
Seals and Screws Kit MF Green 28 Foam	07210164
Seals and Screws Kit MF Tubular Foam	07210098
10-pack FD filter	07120318
Remote Control for Foam Dispenser	07100009


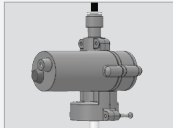
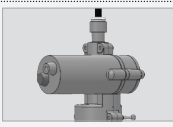
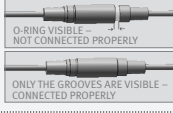
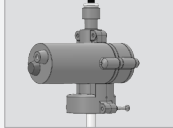
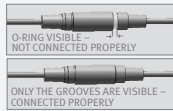
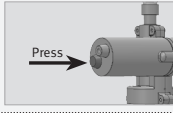
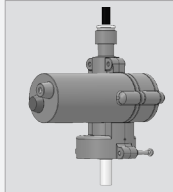
TROUBLESHOOTING

FOAM SOAP DISPENSERS

Indication	Investigation	Cause	Solution	Illustration
False activation: Foam 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 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.	
Foam not dispensing	Pump and/or compressor are making sounds when sensor is activated	Soap tank is empty	Fill with soap with correct viscosity (up to 100 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 (>100 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

FOAM SOAP DISPENSERS

Indication	Investigation	Cause	Solution	Illustration
Foam not dispensing	Pump and/or compressor are making sounds when sensor is activated	Tip of inlet pipe is not immersed in soap	Ensure that the tip of the inlet pipe is fully immersed in the soap. For earlier models check that the pipe has not been pushed so far that the tip has risen above soap level. The new models have an additional sleeve for the pipes preventing this from occurring.	
		6mm pipe connecting pump to dispenser outlet has come loose	Check that all pipes are connected firmly to the pump. If necessary remove pipe, cut 7 mm and replace firmly.	
		8 mm pipe connecting pump to tank has come loose		
		Damaged pump	Replace the pump	
	Pump is making a sound when sensor is activated, but the compressor is not.	AUX connector not fully inserted	Insert fully, remove the O ring if necessary	
		Damaged Pump	Replace the pump	
Foam 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	
		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).	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.	
		Debris or dried soap in the tank or tubing		

TROUBLESHOOTING

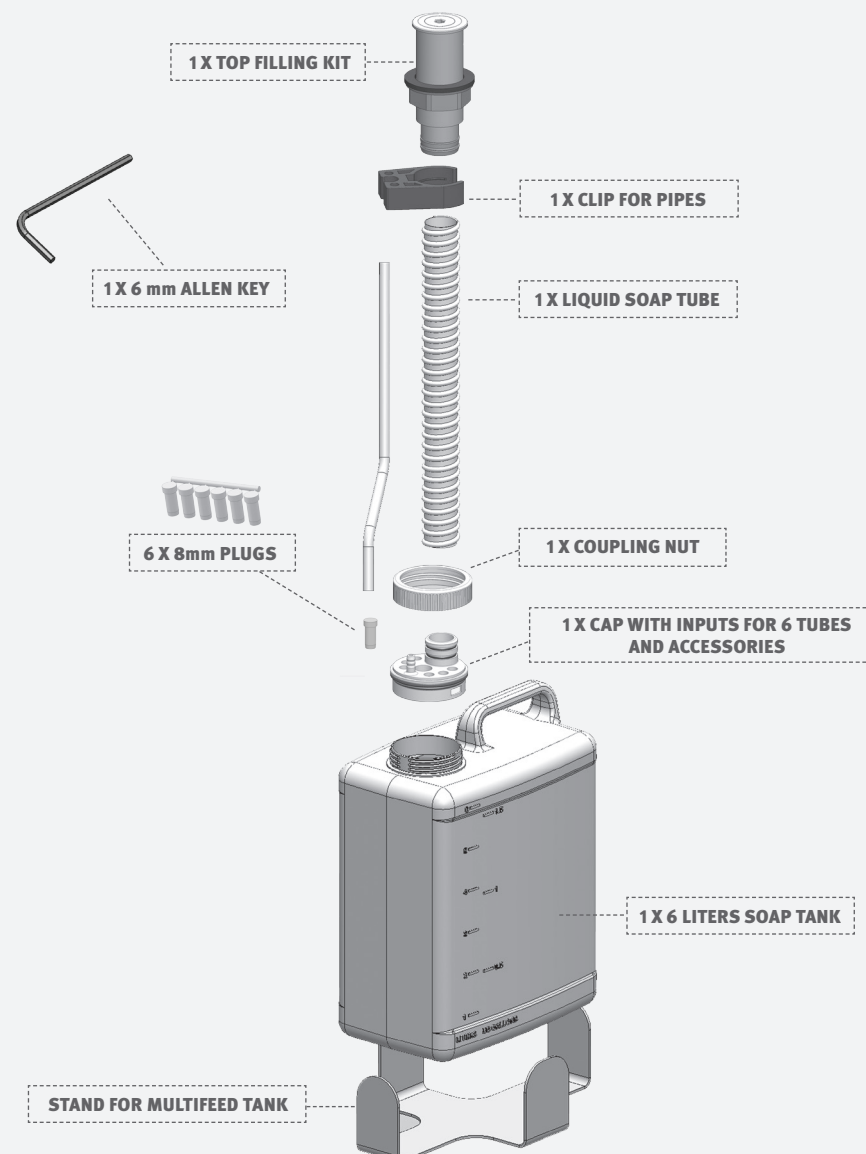
FOAM SOAP DISPENSERS

Indication	Investigation	Cause	Solution	Illustration
Foam not dispensing	Pump is not making sound when the sensor is activated	Sensor is not blinking when hand is placed in front	Refill button on pump does not activate the pump.	Check operation with functioning transformer. Where necessary replace with appropriate transformer. For part numbers see spare parts list.
		Reflection issue from 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. For part numbers see spare parts list.	
Foam not dispensing		Liquid rather than foam is being dispensed out of the nozzle	1. Increase the air to soap ratio. 2. Verify that the filter is clean. 3. Replace compressor (supplied with pump). For part numbers see spare parts list.	
		Foam dosage is too large	Use remote to decrease soap volume by pressing the "- Soap" key.	
		Foam dosage is too small	Use remote to increase soap volume by pressing the "+ Soap" key.	
Foam is dispensing		Foam is too dense	Use remote to decrease the amount of air in the foam by pressing the "- Air" Key.	
		Foam is too liquefied	Use remote to increase the amount of air in the foam by pressing the "+ Air" key.	

PACK CONTENTS

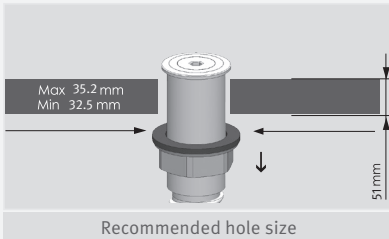
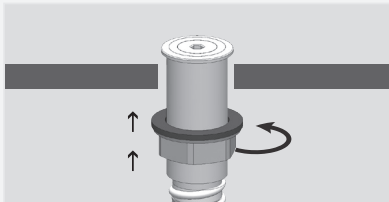
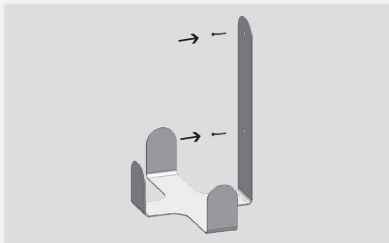
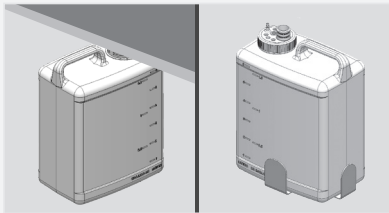
TOP FILLING MULTIFEED KIT

Familiarize yourself with the part names and ensure all the parts are included in your package.



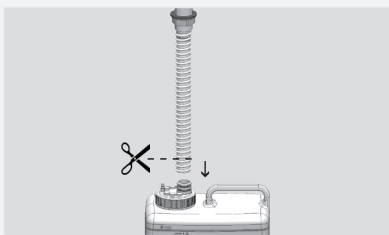
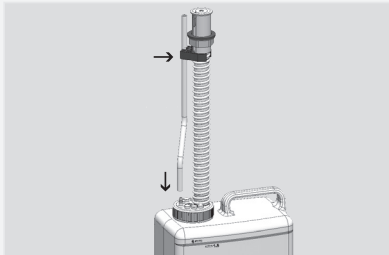

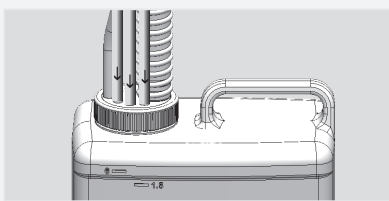
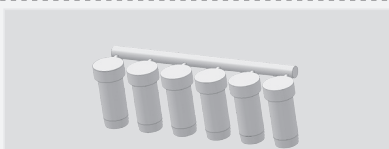

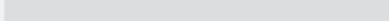
INSTALLATION

TOP MULTIFEED KIT

1	<p>Drill a hole in the deck or lavatory according to the top filling kit recommended hole size.</p> <p>Remove the flat seal, disk and nut from the base of the top filling kit.</p>	
2	<p>Place the top filling kit into the hole in the deck or lavatory and secure it in place using the flat seal, disk and nut.</p>	
3	<p>If you are using the soap tank support fix it to the desired location.</p> <p>NOTE: Keep in mind the maximum distance between the Multifeed dispenser pump and the Multifeed Kit should not exceed 3 meters.</p>	
4	<p>Place the soap tank under the deck or into the tank support.</p>	

INSTALLATION

TOP MULTIFEED KIT

5	<p>If needed, cut the corrugated soap tube to the correct length as required by the installation.</p>	
6	<p>Ensure the tube fully covers the cap outlet and the two o-rings on the outlet.</p>	
7	<p>Connect the breathe pipe to the breathe nozzle in the cap. Ensure both the breathe pipe and the corrugated tube are connected to the top filling unit by means of the clip.</p>	
8	<p>Cut the soap pipe coming from the Multifeed soap dispenser to the right length as required by the installation.</p> <p><i>In order for the pipe to reach the bottom of the tank, make sure that the end of the pipe is approximately 2 cm longer than the tank inner base.</i></p>	
9	<p>Insert the Multifeed soap dispensers' pipes into the holes of the soap tank cap. Ensure the soap pipes reach the bottom of the soap tank and are not bent or curved.</p>	
	<p>NOTE: The Top filling Multifeed Kit enables installing up to 6 soap dispensers simultaneously. When installing less than 6 soap dispensers, make sure to plug the remaining holes with the provided 8mm plugs.</p>	

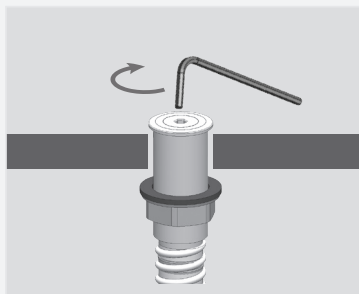
FILLING THE SOAP TANK

TOP MULTIFEED KIT

STEP 1 - FILLING THE SOAP TANK

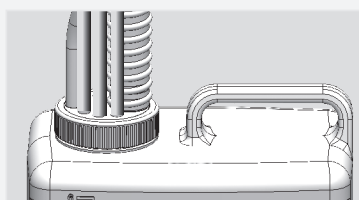
1

Fill the soap tank with liquid soap until it is full. Open the top filling cap using the 6mm Allen key provided in the package. Keep the key for future use (soap tank re-filling).



2

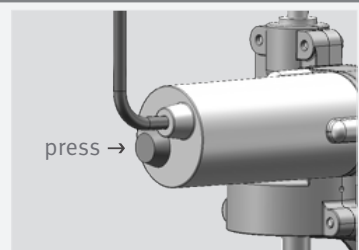
Refer to the 'Technical Data' section of this manual for soap viscosity specifications.



STEP 2 - PRIMING THE SOAP

1

Press and hold the refill button located at the back of the pump assembly until soap is dispensed from the soap dispenser spout.



2

Alternately, press the FILL button on the soap or foam dispenser remote control (if available).



LIMITED WARRANTY

Y. Stern Engineering Ltd. warrants that its electronic products will be free of defects in material and workmanship during normal use for two years from the date the product is purchased.

If a defect is found in normal use, Y. Stern Engineering Ltd. will, at its discretion, repair, provide a replacement part or product, or make appropriate adjustments. Damage caused by accident, misuse, or abuse is not covered by this warranty. Improper care and cleaning will void the warranty. Proof of purchase (original sales receipt) must be provided to Stern Engineering Ltd. with all warranty claims.

Stern Engineering Ltd is not responsible for labor charges, installation, or other incidental or consequential costs other than those noted above. In no event shall the liability of Stern Engineering Ltd. exceed the purchase price of the product.

If you believe that you have a warranty claim, contact your Stern Distributor, Dealer or Plumbing Contractor. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, the date the product was purchased, from whom the product was purchased and the installation date. Also include your original invoice.

Y. STERN ENGINEERING AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty excludes product damage due to installation error, incorrect maintenance, wear and tear, battery, product abuse, or product misuse, whether performed by a contractor, service company, or the consumer. This warranty does not cover product damage caused by the following:

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

MAINTENANCE

Care and cleaning of chrome and special finishes

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives, or their 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.

Filter cleaning instructions (foam dispenser only)

This soap dispenser is provided with a foam filter. It is recommended to clean the filter every six (6) months.

If the soap supply has decreased, this may be caused by the clogged filter. The filter can be cleaned as follows:

1. Use a wrench to unscrew the quick connection fitting from the foam compressor and pull out the filter housing.
2. Remove the filter from the housing.
3. Replace the filter (recommended) or wash it under running water for a temporary fix.
4. Reassemble the parts.

Add text:

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.

stern

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