


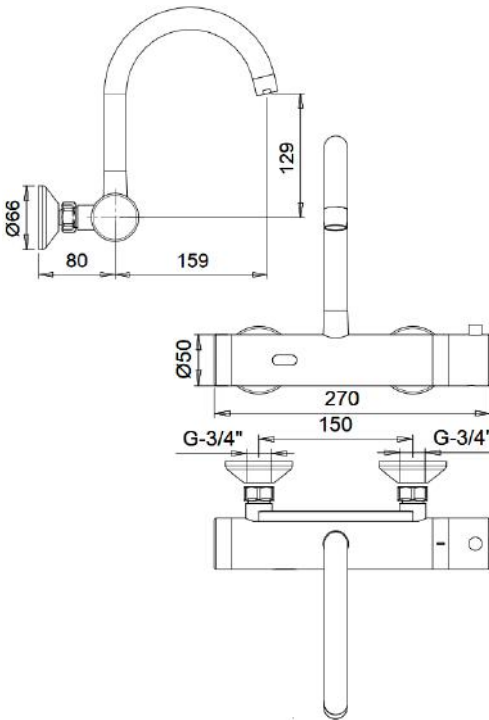


















**Acme Sanitary Ware Co Ltd**

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PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

**SANITARY WARE SPECIFICATION SHEET**

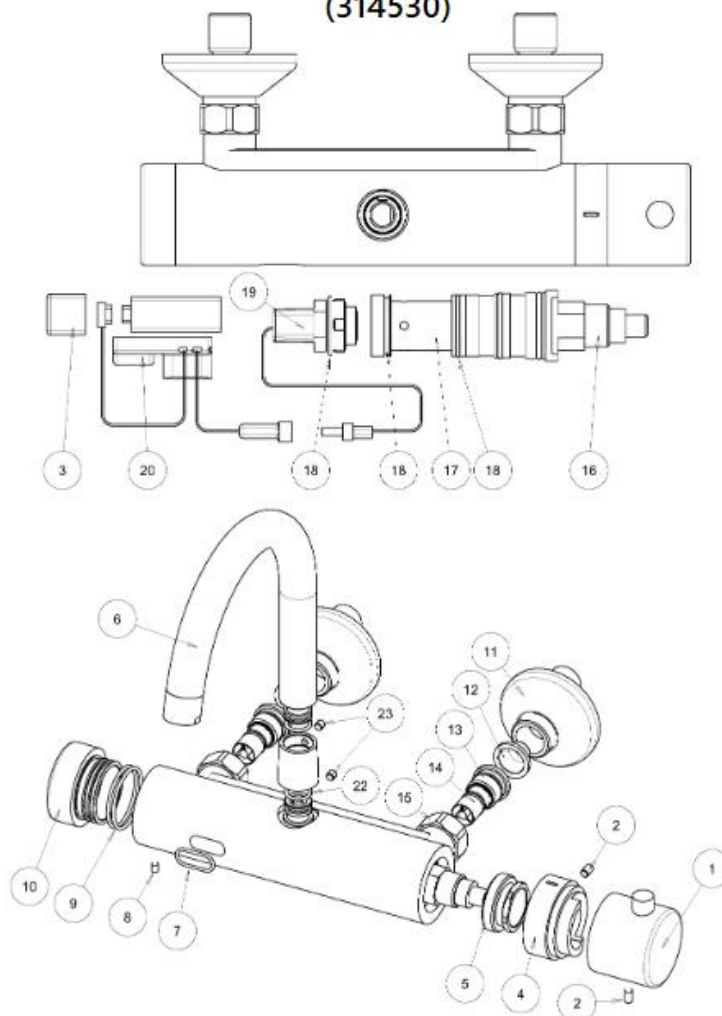
Item Descriptions	Stern (Israel) "Apollo Medical F" Chrome plated exposed wall-mounted thermostatic sensor mixer with gooseneck spout in DC Supply with <b>internal 9V battery box</b> ; top access replacement of batteries	<div>Illustration/ Drawing</div>  																																																						
Dimensions	L270 x W159 x H129 mm																																																							
Model	Apollo Medical FB																																																							
Code Number	314530																																																							
Finish	Chrome Plated																																																							
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen																																																							
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012																																																							
E-mail	acme@acmesanitary.com.hk																																																							
Website	www.acmesanitary.com.hk																																																							
<b>APOLLO MEDICAL FB Ref # 314530</b> Touch-free wall-mounted electronic faucet. For hot and cold water, includes a mixer for temperature adjustment. Gooseneck spout. Powered by an internal 9V battery. Includes a low battery indicator. Adjustable settings by remote control: security time, delay in, delay out, on-off and reset to factory settings.																																																								
<b>Application:</b> Touch-free faucet. Enables patients and medical personnel to wash hands without touching the faucet. Prevents cross contamination. Helps washrooms to stay cleaner. Ideal for hospitals, laboratories, dental clinics and commercial kitchens.																																																								
<b>Use:</b> Touch-free electronic faucet. The faucet is automatically activated when users place thier hands in the sensor range and stops when users move away from the sensor range.																																																								
<table><tr><th colspan="6">PRODUCT AT A GLANCE</th></tr><tr><td>Installation</td><td colspan="5">Exposed wall-mounted</td></tr><tr><td>Power Supply</td><td colspan="5">• 9V battery • 9V transformer</td></tr><tr><td>Operating pressure</td><td colspan="5">0.5-8.0 bar / 7.0-116.0 PSI</td></tr><tr><td>Water supply</td><td colspan="5">Hot and cold water</td></tr><tr><td>Water flow</td><td colspan="5">6 LPM / 1.58 GPM - SSR PCA stream</td></tr><tr><td>Water Saving Options</td><td colspan="5">4 LPM / 1 GPM ; 3 LPM / 0.8 GPM 1.89 LPM / 0.5 GPM ; 1.3 LPM 0.35 GPM - PCA spray</td></tr><tr><td>Water temperature</td><td colspan="5">70°C Maximum</td></tr><tr><td>Security Time</td><td colspan="5">90 seconds. Adjustable by remote control</td></tr></table>			PRODUCT AT A GLANCE						Installation	Exposed wall-mounted					Power Supply	• 9V battery • 9V transformer					Operating pressure	0.5-8.0 bar / 7.0-116.0 PSI					Water supply	Hot and cold water					Water flow	6 LPM / 1.58 GPM - SSR PCA stream					Water Saving Options	4 LPM / 1 GPM ; 3 LPM / 0.8 GPM 1.89 LPM / 0.5 GPM ; 1.3 LPM 0.35 GPM - PCA spray					Water temperature	70°C Maximum					Security Time	90 seconds. Adjustable by remote control				
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\* All information of the above is for the reference only. No prior notice is made if any changes.



## SPARE PARTS LIST

Apollo Medical FB  
(314530)



Quantity	Part Number	Description	Cat. No.
-	-	<b>Seals and Screws Kit</b>	<b>07210144</b>
1	7	O-ring	
2	9	O-ring	
2	2	Screw	
1	8	Screw	
2	22	O-ring	
2	23	Screw	
-	-	<b>Sensor Kit</b>	<b>07220202</b>
1	20	Infra Red Sensor	
1	7	O-ring	
-	-	<b>Thermostatic Cartridge Kit</b>	<b>07240021</b>
1	16	Thermostatic cartridge	
1	17	Adapter	
3	18	O-Ring	
1	1	Thermostatic Handle	07110018
1	19	Stern Interoperable LS9V1.2WWPC1	07500065
1	4	Adapter for Handle	07055067
1	3	Cover for Battery	06500001
1	5	Nut for Thermostat	07055070
1	6	Spout	07015006
1	-	Cover Kit	07270070
1	10	Cover	
2	9	O-ring	
-	-	<b>Inlet Nipple Kit</b>	<b>07246033</b>
2	12	Flat filter	
2	13	Nipple	
2	14	Valve Check	
2	15	Nut 3/4"	

**Note:** In order to locate the relevant spare part, please check the corresponding parts and part number in the drawing. Minimum order quantity will be required.

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## FAUCET INSTALLATION

### STEP 1 – INSTALLING THE FAUCET

1

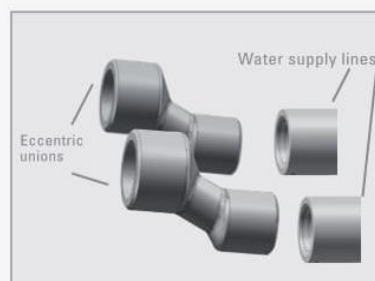
Shut off the water supply.



**NOTE:** The standard distance between the water supply pipes centers is 150 mm. Two eccentric unions are provided to allow variations from 130mm to 170mm.

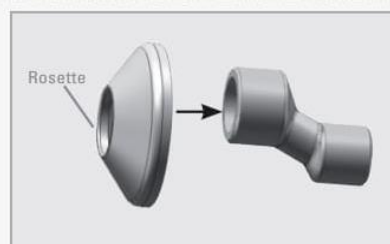
2

Mount the eccentric unions on the water supply pipes.



3

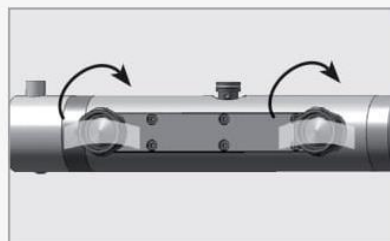
Apply the covering rosettes on the eccentric unions, and set the eccentric unions so that they correspond with the faucet inlets.



**IMPORTANT:** To make sure it will be installed in the right location, the filter is joined to the faucet nuts with a clear adhesive tape.

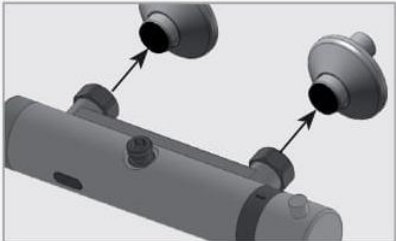
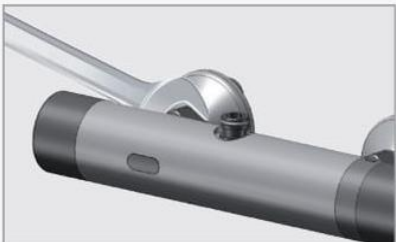
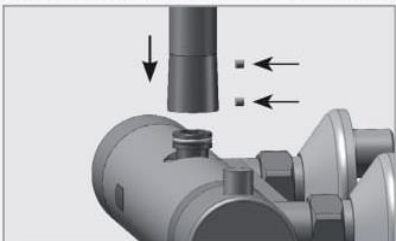
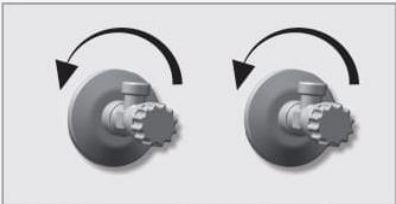

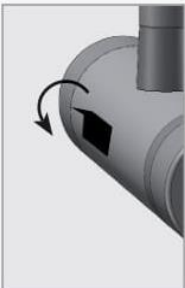
4

Remove the clear adhesive tape holding the filters in place.





## FAUCET INSTALLATION

5	Proceed to mounting the faucet on the eccentric unions.	
6	Tighten the nuts carefully with a 30mm wrench.	
7	Mount the spout to its location in the faucet body, and tighten the Allen screw/s using the Allen key provided in the packaging.	
<b>STEP 2 – CONNECTING THE WATER SUPPLY AND OPERATING THE FAUCET</b>		
1	Turn on the central water supply and the shut-off valves and check for leaks.	
2	Remove the protective sticker that covers the sensor and wait 10 seconds before activating the faucet.  IF THE RANGE IS UNSATISFACTORY, REFER TO THE SECTION TITLED “SETTING ADJUSTMENT”.	<div></div>



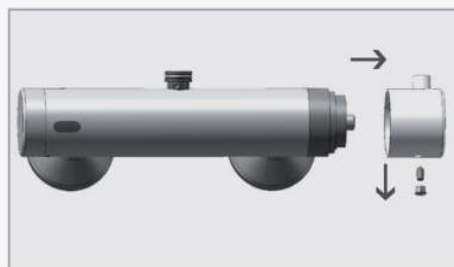


## ADJUSTING THE WATER TEMPERATURE

The faucet has been factory calibrated to 38°C under ideal installation conditions. Due to variations in site conditions, the mixed water temperature may need adjustments to match the site conditions and make sure that it is safe.

1

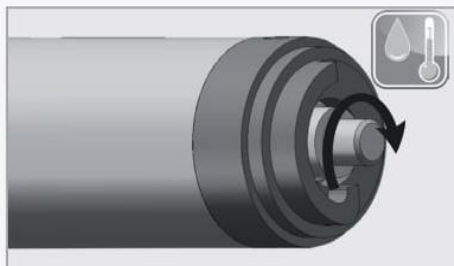
Unscrew the regulation knob screw and remove the regulation knob.



2

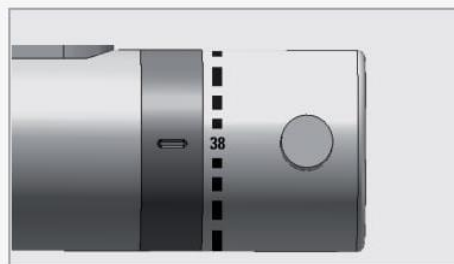
Proceed to achieve a 38°C settings by turning the spindle and measuring the water temperature with a thermometer.

NOTE: Make sure always to use a thermometer with proven accuracy.



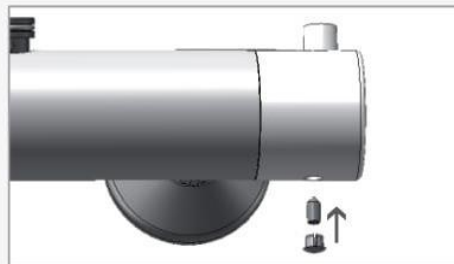
3

Assemble the regulation knob to the 38°C position. The anti scalding knob must correspond to the 38°C stop in the stop ring, without moving the spindle.



4

Screw the regulation knob screw and tighten it.



**THE FAUCET IS NOW CALIBRATED ACCORDING TO THE SITE SPECIFIC CONDITIONS.**



## SERVICE CHECK LIST

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the faucet:	1. Sensor flashes continuously when user's hands are within the sensor's range.	Low battery.	Replace battery
	2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	1. Range is too short.	Increase the range
		2. Range is too long.	Decrease the range
		3. Battery is completely used up	The battery must be replaced.
		4. Unit is in "Security Mode"	
		5. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
	3. Red light in the sensor flashes once when user's hands are within the sensor's range.	1. Debris or scale in solenoid.	Unscrew solenoid, pull out the plunger and the spring from the solenoid and clean them. Use scale remover material if needed. When replacing the plunger, please make sure that the spring is in vertical position.
		2. The central orifice in the diaphragm is plugged or the diaphragm is torn	Clean the orifice or replace diaphragm.
		3. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
		4. The water supply pressure is under 8 bars and yet the pressure in the faucet's body is higher. This situation could be caused by a sudden increase in the water supply pressure that the backcheck prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply and unscrew one of the flexible pipes in order to reduce the pressure that blocks the product.
Water flow from spout does not stop:	1. Sensor flashes once when user's hands are within the sensor's range.	1. Debris or scale in diaphragm	Clean the orifice or replace diaphragm.
		2. Connectors between the electronic unit and the Dual power input box are disconnected or not connected properly	Connect the connectors properly. Refer to page 6 to see how.
	2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	1. Sensor is dirty or covered.**	Clean or eliminate cause of interference.
		2. Sensor is picking up reflections from the washbasin or another object.	Decrease the range or eliminate cause of reflection.
Water flow diminished		Filter or aerator is clogged	Remove, clean, re-install

\* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. To return to normal operation remove any blockage.

\*\* In this case, the water flow will stop anyway after 90 seconds because of the security time.



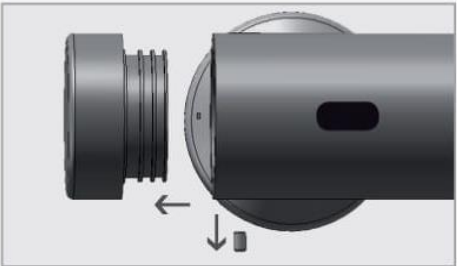
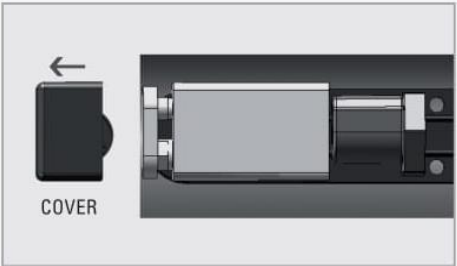
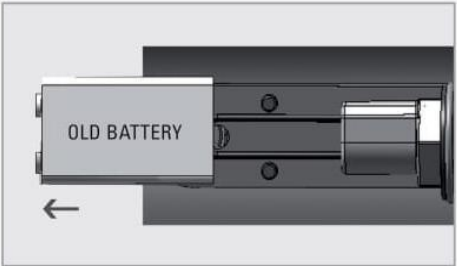
## BATTERY REPLACEMENT

### LOW BATTERY INDICATOR

The product has an advanced battery level management system consisting of 2 steps. In the first step, the battery still has enough power to open and close the solenoid valve and allows the solenoid valve to open.

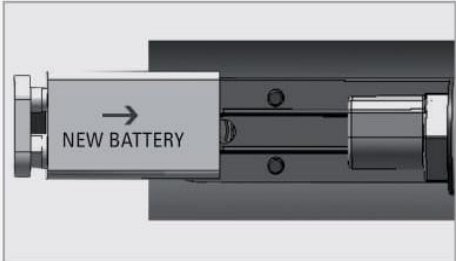
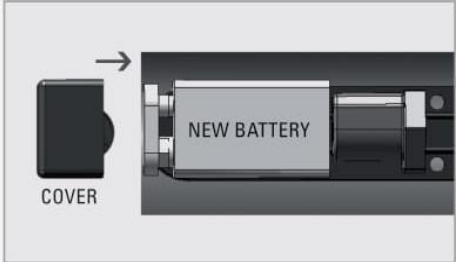
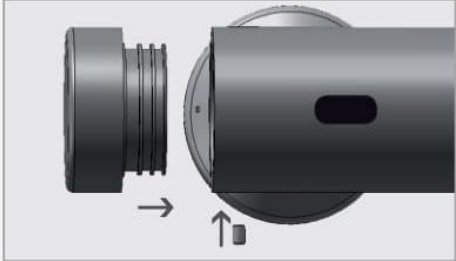
In the second step the battery might not have enough power to open and close the solenoid valve. In this case, the battery level management system does not allow the solenoid valve to open. Instead of providing an opening and closing pulse, the systems provides two closing pulses.

### BATTERY REPLACEMENT INSTRUCTIONS

1	Unscrew the M4X6 Allen screw on the faucet left hand side and pull out the cap.	
2	Remove the battery cover protection and disconnect the connector between the battery and the electronic unit.	
3	Take out the old battery.	



## BATTERY REPLACEMENT

<p>4</p>	<p>Replace the used battery with a new 9V battery (a Lithium battery is recommended), and connect the connector between the battery and the electronic unit.</p>	
<p>5</p>	<p>Put the battery protection cover back on.</p>	
<p>7</p>	<p>Place the cap back into place and tighten the Allen screw. Note: Make sure the o-rings are still in their groove.</p>	

- Do not allow moisture or water into the system while the battery is being replaced.
- The interior of the faucet must be fully dry before reassembling the parts. If it is not fully dry, carefully dry it.

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

