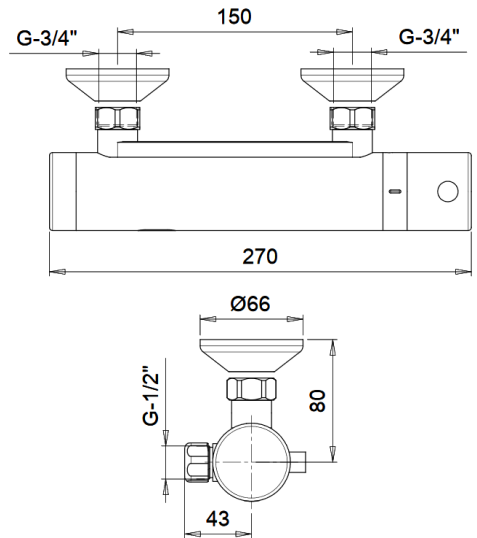




PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Neptune Medical" Chrome plated exposed wall-mounted thermostatic sensor shower mixer with bottom outlet in DC Supply with internal 9V battery box ; top access replacement of batteries
Dimensions	L270 x W80 x H66 mm
Model	Neptune Medical 1000 T Bottom Outlet
Code Number	610255
Finish	Chrome Plated
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
Website	www.acmesanitary.com.hk



NEPTUNE MEDICAL 1000 T BOTTOM OUTLET Ref # 610255
 Touch free electronic shower control operated by an infrared sensor. Includes a thermostatic mixer, non return valves, filters and thermostat at 38°. All components are located inside the product body. Low battery indicator included. The following settings can be changed by using the Stern remote control: sensor range, security time, delay in, delay out and on-off.

Application:
 Combines an elegant design with high quality into a vandal resistant product. Helps washrooms to stay hygienic, safe and water saving. Prevents cross contamination and is ideal for hospitals and clinics.

Use:
 Touch free electronic shower control. The shower will be activated once the user steps within the sensor range.

- Installation:**
Wall mounted exposed bottom outlet
- Water supply:**
Hot & Cold (2 inlets)
- Water temperature:**
Max 65 °C
- Operating pressure:**
0.5 - 8.0 bar
- Power source:**
9V Lithium battery



PRODUCT AT A GLANCE			
Installation	Exposed wall-mounted		
Power Supply	Internal 9V battery		
Operating pressure	0.5-8.0 bar / 7.0-116.0 PSI		
Water supply	Hot and cold water		
Water Temperature	Maximum 38°C		
ORDERING INFORMATION			
MODEL	CODE	POWER	ADDITIONAL FEATURES
NEPTUNE MEDICAL 1000T	610250	9V battery	Exposed installation Mixer for water temperature adjustment
NEPTUNE MEDICAL 1000T WITH BOTTOM OUTLET	610255		
OPTIONS			
OPTION	CODE		
Remote control	07100005		

* All information of the above is for the reference only. No prior notice is made if any changes.



SANITARY WARE SPECIFICATION SHEET

NEPTUNE MEDICAL

ELECTRONIC SHOWER CONTROL

Operated by IR sensor. Features an integrated thermostatic mixer for anti scalding operation and temperature control.

Advantages:

- Drastically reduces water consumption
- No physical contact. Helps to protect users against cross contamination
- Thermostatic control for optimum temperature
- Ideal for healthcare institutions
- Chrome plated brass body. Metallic thermostatic handle
- Sensor settings adjustable by remote control
- Internal solenoid valve
- Ideal for retrofit installations



LEED RATING



PREVENT SCALDING



STERN MEDICAL

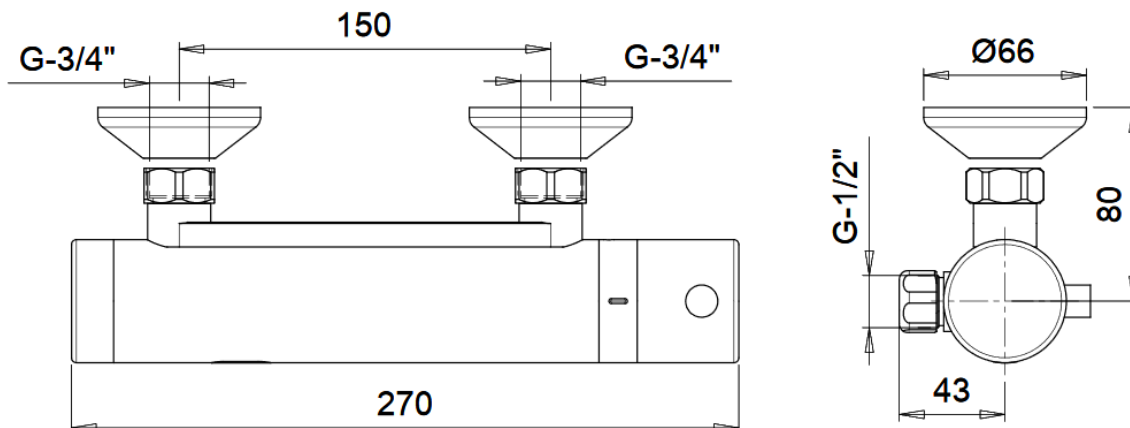


WAVE & PROX OPTIONS

Hygiene Flush: To maximize hygiene, this product is equipped with a 24 hour duty flush. The flush takes place after 24 hours of non-use. Prevents the trap seal from drying out, possible freezing of pipes and potential bacteria in standing water. This function can be disabled using the remote control.

PICTURE	PRODUCT NAME	MODEL FEATURES	POWER SUPPLY	CODE NUMBER	DRAWING
	NEPTUNE MEDICAL 1000 T BOTTOM OUTLET	Exposed installation. Bottom outlet Exposed installation Allows activation of the shower once the users place their hands at a close proximity to the sensor. Water will shut off if the users place their hands at a close proximity to the sensor again or once a factory set flow time of 120 seconds will pass. Flow time is adjustable by remote control. Optional Prox Operation: Allows automatic activation when the users comes within the sensor range, and stops when the users leave the sensor range.	Internal 9V battery	610255	

NEPTUNE MEDICAL 1000T BOTTOM OUTLET (610255)



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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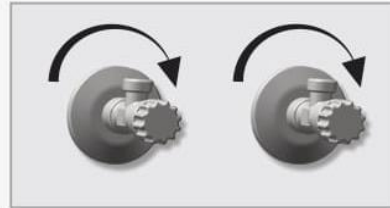


SHOWER INSTALLATION

STEP 1 – INSTALLING THE SHOWER

1

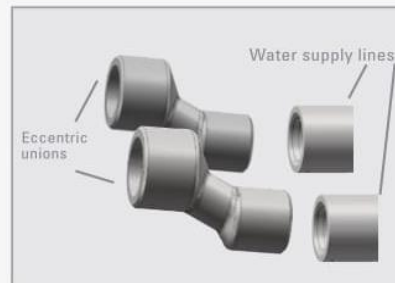
Shut off the water supply.



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.

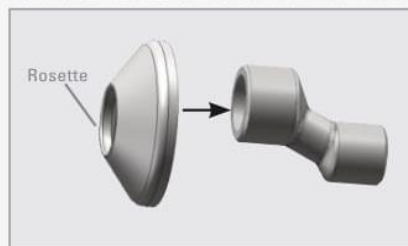
2

Mount the eccentric unions on the water supply pipes.



3

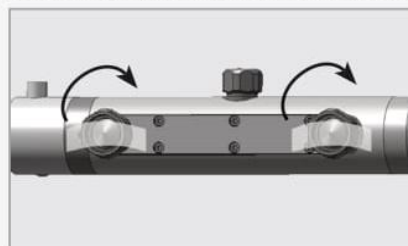
Apply the covering rosettes on the eccentric unions, and set the eccentric unions so that they correspond with the shower inlets.



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

4

Remove the clear adhesive tape holding the filters in place.

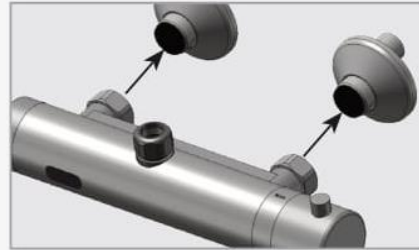




SHOWER INSTALLATION

5

Proceed to mounting the shower on the eccentric unions.



6

Tighten the nuts carefully with a 30mm wrench.



STEP 2 – CONNECTING THE WATER SUPPLY AND OPERATING THE SHOWER

1

Turn on the central water supply and the shut-off valves and check for leaks. Remove the protective sticker that covers the sensor and wait 10 seconds before activating the shower.

IF THE RANGE IS UNSATISFACTORY, REFER TO THE SECTION TITLED "SETTING ADJUSTMENT".



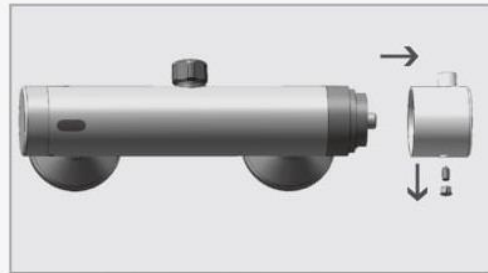


ADJUSTING THE WATER TEMPERATURE

The shower 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

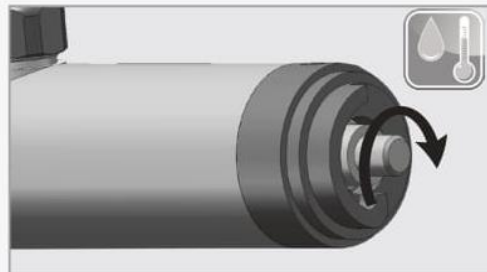
Unscrew the regulation knob screw and remove the regulation knob.



2

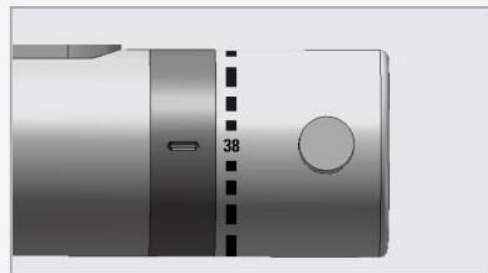
Proceed to achieve a 38°C settings by turning the spindle and measuring the water temperature with a thermometer.

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



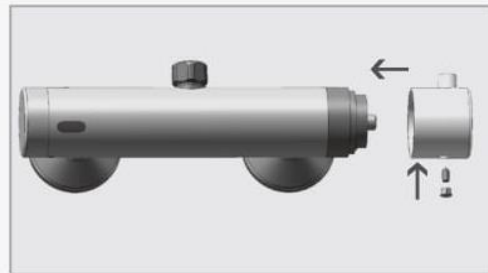
3

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 SHOWER IS NOW CALIBRATED ACCORDING TO THE SITE SPECIFIC CONDITIONS.



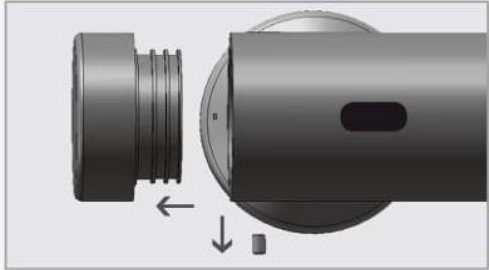
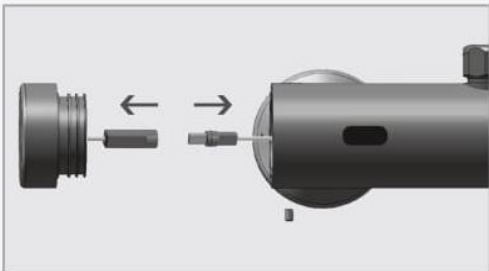

BATTERY REPLACEMENT

LOW BATTERY INDICATOR

The Neptune Medical 1000 T 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

<p>1</p>	<p>Unscrew the M4X6 Allen screw on the shower left hand side and pull out the cap with the battery.</p>	
<p>2</p>	<p>Disconnect the connectors between the battery and cap.</p>	
<p>3</p>	<p>Remove the battery cover protection and take out the old battery.</p>	



BATTERY REPLACEMENT

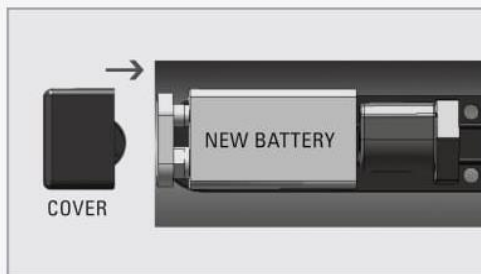
4

Replace the used battery with a new 9V battery. A Lithium battery is recommended.



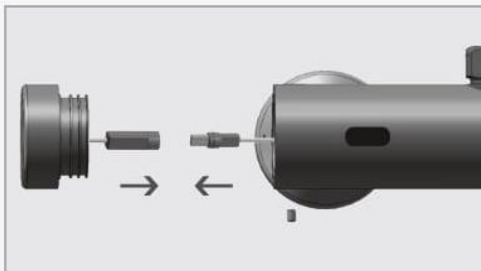
5

Put the battery protection cover back on.



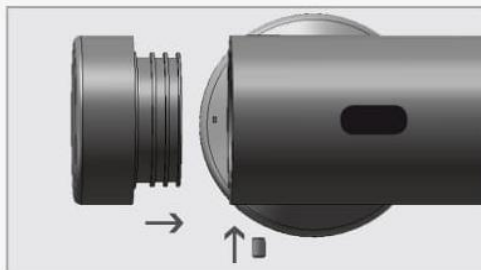
6

Reconnect the connectors between the battery and the cap.



7

Place the cap back into place and tighten the Allen screw.



- Do not allow moisture or water into the system while the battery is being replaced.
- The interior of the shower control 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.





SERVICE CHECK LIST

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the shower head:	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.
	3. Red light in the sensor flashes once when user's hands are within the sensor's range.	4. Unit is in "Security Mode"	
		5. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
Water flow does not stop:	1. Sensor flashes once when user's hands are within the sensor's range.	1. Connectors between the electronic unit and solenoid are disconnected.	Connect the electronic unit connectors to the solenoid.
		2. Check the solenoid valve.	Check the solenoid valve.
	2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	4. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
		1. Sensor is dirty or covered	Clean or eliminate cause of interference.
	2. Sensor is picking up reflections from mirror or another object.	Decrease the range or eliminate cause of reflection.	

* "Security Mode": If the sensor is covered for more than 10 min. the shower will automatically shut off water flow.

To return to normal operation remove any blockage.