Acme Sanitary Ware Co. Ltd.

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Since 1949

stern

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Extreme 1000" Chrome plated deck mounted sensor mixer with adjustable temperature limiter in AC Supply with 5m wire AC 110-240 Vac 50/60Hz to 9V 0.3A **IP68 waterproof switching transformers**
Dimensions	L102 x W50 x H170 mm
Model	Extreme 1000 E
Code Number	237000
Finish	Chrome Plated
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
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Illustration/ Drawing

EXTREME 1000 B Ref # 237000
Touch-free electronic faucet for deck-mounted installations. Activated by infrared sensor. For hot and cold water, includes a mixer for water temperature adjustment. Filters included. Chrome plated body, other finishes available. . Latching solenoid valve is located above deck inside the product for added vandal protection. Regular faucet installation with simple transformer connection. Adjustable settings by remote control: sensor range, security time, delay in, delay out, on-off and reset to factory settings. 24 hour mandatory hygiene flush available upon request.

Application:
Deck-mounted faucet. Combining an elegant minimalist design with anti-vandal features. Easy installation. Long lasting even in the harshest installation sites. Helps washrooms stay clean and saves water. Prevents cross contamination. Ideal for stadiums, train and bus stations and highway rest stops.

Use:
Touch-free electronic faucet. The faucet is automatically activated when users place their hands in the sensor range and stops when the users remove their hands.

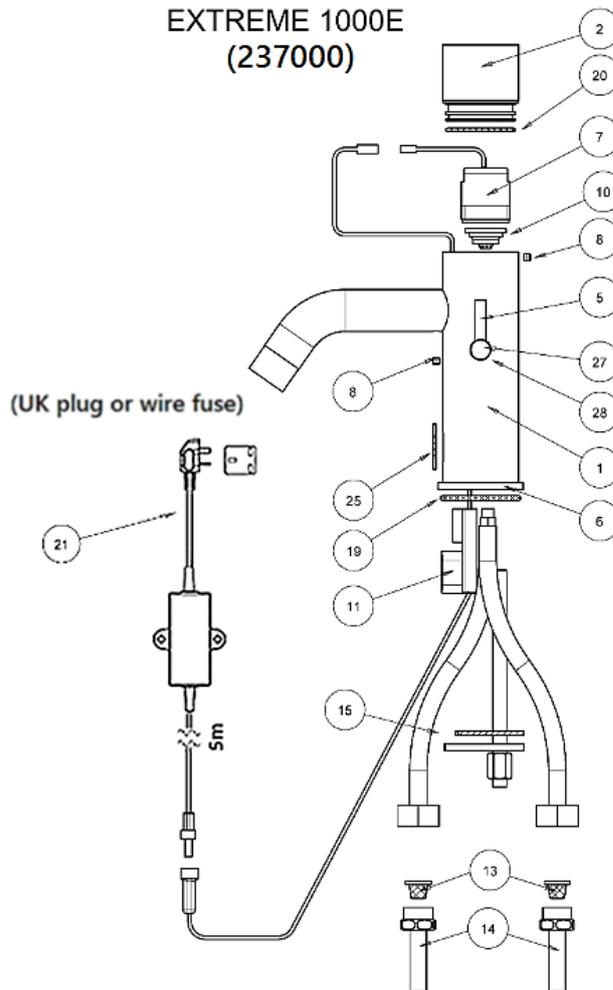| PRODUCT AT A GLANCE	
Installation	Lavatory mounted
Power Supply	• 9V external battery box • 9V transformer
Operating pressure	0.5-8.0 bar / 7.0-116.0 PSI
Water supply	Hot and cold water
Water flow	6 LPM / 1.58 GPM - SSR PCA stream
Water Saving Options	4 LPM / 1 GPM ; 3 LPM / 0.8 GPM 1.89 LPM / 0.5 GPM ; 1.3 LPM 0.35 GPM - PCA spray
Water temperature	70ºC Maximum
Security Time	90 seconds. Adjustable by remote control

ORDERING INFORMATION			OPTIONS	
MODEL	CODE	POWER	OPTION	CODE
EMTREME 1000 B	237100	9V battery	Remote control	07100005
			Matching battery-powered soap dispenser	235920
EMTREME 1000 E	237200	9V transformer	Matching transformer-powered soap dispenser combination	235900

Installation:
Lavatory mounted

Water supply:
Hot & Cold (2 inlets)

Water temperature:
Max 70 ºC

Operating pressure:
0.5 - 8.0 bar

Power source:
9V transformer

Stern Soap & Water:
Extreme matching soap dispenser

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

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SPARE PARTS LIST

EXTREME 1000E
(237000)

(UK plug or wire fuse)

5m

Quantity	Part Number	Description	Cat. No.
	-	**Seals and Screws Kit**	07210019
1	20	O-ring	
1	19	O-ring	
1	25	O-ring	
1	15	Gasket	
2	8	Screw	
	-	**Sensor Kit**	07220184
1	11	Infra Red Sensor	
1	25	O-ring	
	-	**Filter Adapter Kit**	07212001
1	13	Filter	
1	14	Nipple	
	-	**Cover Kit**	07270004
1	2	Cover	
1	20	O-ring	
	-	**Solenoid Valve Kit**	07230003
1	7	Solenoid valve	
1	10	Diaphragm	
	10	**Diaphragm**	04500001
	-	**Mixer Handle kit**	07260003
1	5	Handle	
1	27	Axis	
1	28	O-ring	
	21	**Transformer**	**TBC**

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

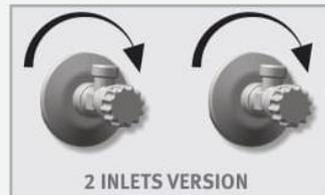*All information of the above is for the reference only. No prior notice is made if any changes.*

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INSTALLATION

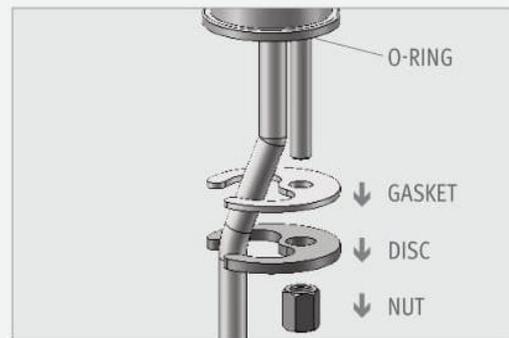## STEP 1 – PREPARATION FOR MOUNTING THE FAUCET

1 Shut off the water supply.

2 INLETS VERSION

2 Remove the hexagonal nut, the disk and the gasket. Do not remove the O-ring from the base of the faucet.

O-RING
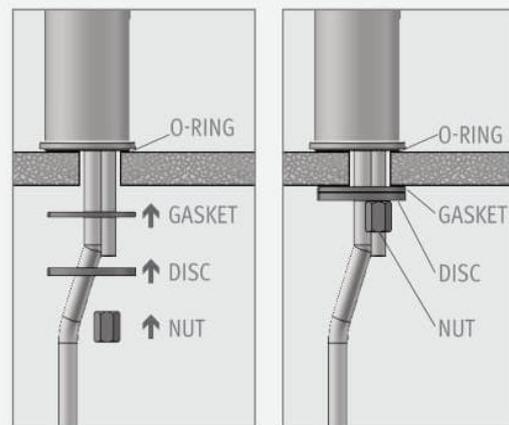↓ GASKET
↓ DISC
↓ NUT

STEP 2 – INSTALLING THE FAUCET

1 Place the faucet with O-ring into the hole in deck or lavatory. Make sure the O-ring is located between the deck or lavatory and the bottom of the faucet.

O-RING
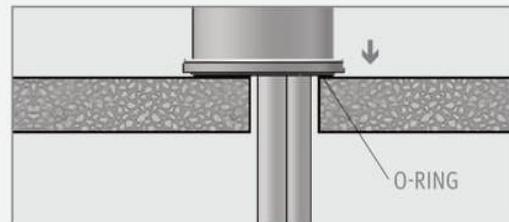
2 Slide the gasket, disk and hexagonal nut over the flexible hose and secure the faucet into place.

O-RING
↑ GASKET
↑ DISC
↑ NUT

O-RING
GASKET
DISC
NUT

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INSTALLATION

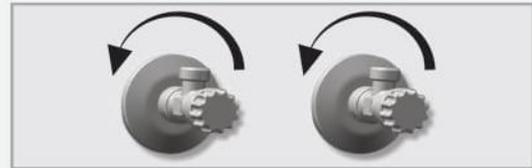## STEP 3 – CONNECTING THE WATER SUPPLY

1 Connect the red flexible pipe to the hot water supply and the blue flexible pipe to the cold water supply.

2 INLETS VERSION

MAKE SURE THAT THE FILTERS ARE INSTALLED BETWEEN THE FLEXIBLE PIPE AND THE SHUT OFF VALVE/ANGLE VALVE (NOT SUPPLIED).

2 Turn on the central water supply and the shut-off valves (angle valves). Check for leaks.
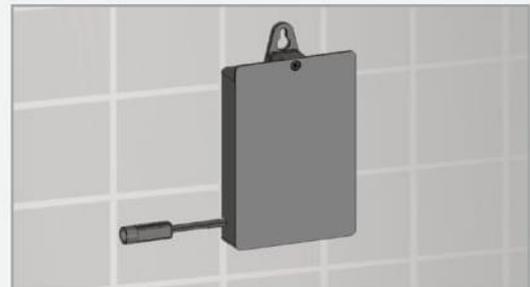
STEP 4 – CONNECTING THE POWER SOURCE

BATTERY VERSION

Install the batteries in the battery box and attach the box to the wall underneath the sink.

The cable connection must point down. (You can use an optional extension cable in order to assemble the battery box up to 3 meters away from the sink.)

TRANSFORMER VERSION

Plug the transformer into the electricity socket and connect the connectors.

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TROUBLESHOOTING

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. LED 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. LED in the 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. Solenoid is located inside the body.
		2. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
		3. 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 back check 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.	Debris or scale in solenoid	Clean or replace the solenoid.
	2. LED 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 case 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 or the solenoid is dirty.	Remove, clean, re-install

* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. In order 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.