

**NAVIENT MATE**

EQM580



## Brand Story



There is a company that has been making heating units for 40 years. This company has been ranked No. 1 in the Korean market for 28 consecutive years. It is the largest seller of condensing gas water heaters in hot water-intensive usage of the North America. People remember the name of the company, KD Navien, which exports heating units beyond Europe, the origin of heating technology, to more than 30 countries worldwide, has redefined the standard of premium bed warming mattress pads under the name of Navien Mate.

\* No. 1 in product sales for gas heating unit manufacturers in Korea; No. 1 heating unit company in Korea (National Financial Supervisory Service, 2017)

\* No. 1 business exports in Korean industry for 28 consecutive years. (Gas heating unit/water heater division, Korea International Trade Association, 1991-2018)

\* No.1 in North American market sales (based on instant condensing gas heating unit/water heater sales, BRG US, 2018)

\* No. 1 in Russia market sales (based on 2014-2017 single brand wall-mounted gas heating unit sales, Litvinchuk, 2018)

EQM580

Getting Closer to Your Life  
as a Smarter Living  
Environment Partner

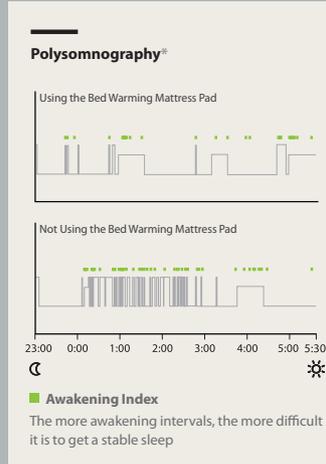


## Product Story



Well Slept with Navien Mate!

EQM580

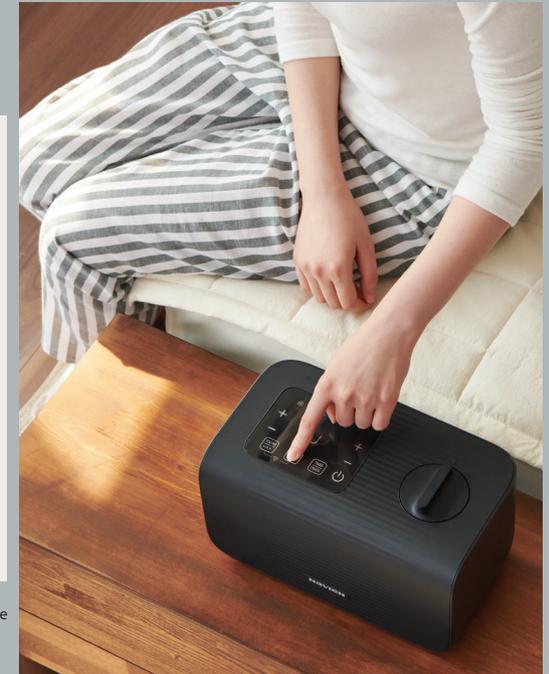


**Total Sleep Time** 23.7 minutes increase on average

**Sleep Efficiency** 6.1% improvement on average, up to 18.6% improvement

**Elevation Time** 50% reduction on average (5.6 minutes), up to 15 minutes reduction

**Total Awakening Index** 3.1 times per hour (26.6%) improvement



There is a saying that quality of sleep is more important than quantity. How is your night's sleep? If your sleep changes, your life changes. Good sleep makes a good life. Experience a deeper, more stable and comfortable sleep with Navien Mate, which takes care of your sleep. Feel the difference of sleep quality with and without Navien Mate which cheers you up every morning.

\* Comparison analysis of sleep quality by A/B condition for 7 women aged between 25 and 49 with healthy sleeping habits for 6 hours and 30 minutes (23:00 to 5:30) (Seoul Sleep Environment Research Center)

\* Condition A: Using the bed warming mattress pad (18-20°C room temperature) / Condition B: Not using the bed warming mattress pad (20-22°C room temperature)

## Design

As naturally as if it was there from the beginning, the matte blue-black color wraps around the body-line, and the non-slip wave pattern is completed with a smooth and curved-edge finish. A neat design that doesn't protrude even when the connector is attached, and a convenient embossed touch display; Space and user friendly design—EQM580.

## Mat and Cover

A hoseless 1mm ultra-slim design mattress pad lets you feel the cushioning of your mattress. A densely spread 84-meter-long water path warms the entire mattress pad. It is easy to store and move because it can be folded into a small size. You can feel at ease because of the use of safe materials that have passed the USDA's Good Laboratory Practice\*.



I like the natural color and wrinkles of a natural cotton cover where even the natural cotton seed is fresh. With 100% raw, natural, pure materials, it leads only to low levels of skin irritation, so sensitive children can use it without any worries. The three-sided open structure makes it easy to wash, and the straps at each corner hold the mattress pad firmly in place.

\* Primary Skin Irritation Test, Cytotoxicity Assessment

**navien mate**

EQM580



**Trust the Power of  
Warm Water**



**Before Your Sleep Gets Away,  
Make the Bed with 'Fast Heating'**

You don't have to preheat it. You don't have to wait. Using Fast Heating delivers cozy warmth up to 40% faster\*.



APP / Remote Control Only



**The Dream of 'Personalized Heating',  
Temperature that Respects Your  
Individual Preferences**

Do not compromise your preferences when it comes to sleeping temperature. Able to be adjusted between 28 and 45°C in increments of 1°C for both left and right sides, thanks to Navien Mate that respects your temperature preference.

\*Reaches 40°C up to 40% faster than EQM552 based on our experimental method. This may vary depending on set temperature and environment.

## Features



If there is a bed warming mattress pad that cares about me more than I do, I think I can fall asleep without any worries, because it only cares for me and works carefully for me while I sleep.

### The Fun of Adjusting 'Personalized Temperature' Only for Me

Have you ever pushed or pulled away the blanket because it was too hot or cold while you slept? Preset the hourly temperature with a personalized temperature mode. It'll be fun to adjust your own sleep patterns.



APP Only

### 'Auto Heating' of Navien Mate that Never Sleeps When I Do

In any environment, we keep the promise of the temperature that you set just once. We work diligently to keep you warm and comfortable so that you can sleep soundly—because we, Navien Mate, is smart enough to do itself.\*

\* This may vary depending on set temperature and environment

## Smart IoT



Coming back to an unlit, dark house need no longer be cold or lonely. It's okay if you forgot and already left the house; with Wi-Fi, you can simply turn it off with your phone application.

### Set 'Sleep Mode' to Prevent Waking up in a Hot or Cold Atmosphere

Just set the desired sleep temperature and time. It automatically adjusts the temperature; you can sleep comfortably without waking up until the morning.



APP Only

### When You Need Warmth at 10 p.m., 'On-schedule'

How nice would it be able to make a schedule, even with a warm atmosphere? You don't have to wait anymore until it gets warmer; all you have to do is to program the unit to 'Turn on at 10 p.m.'



APP Only



**Auto Drain**

Easy water drainage with an exclusive kit and a single button.



**Sterilization Mode**

This circulates hot water throughout heating units and mattress pads in order to sterilize any possible germs and microbes.



**Voice Guidance**

Voice guidance announces the functions when you touch a button or set the temperature.

\* English only



**Easy Connector**

It is easy and quick to connect the pad to the heating unit, and water does not leak when it is removed.



Neat design that does not protrude out



**Balance Sensor & Automatic Timer**

If the boiler is tilted or operated continuously for 15 hours, the power is automatically turned off, meaning you need not worry.



**High Temperature Mode Notification**

When the temperature is set above 38°C, there is a safety system that can be checked and set once again as a reminder to prepare for any possible danger.



**Multiple Safety Systems to Ensure a Safe Sleep**

Connector Guard / Overheating Prevention System / Freeze Protection System / Water Level Sensor / Water Leak Notification / Temperature Sensor / Safety Fuse / Heater Malfunction Prevention / Motion Sensor / Self-Diagnosis / Fire Protection

**Product Components**



Heating Unit

Mattress Pad

Pad Cover

Remote Control

Water Removal Kit

Auto Drain Kit

Storage Bag

**Product Specifications**

	Twin EQM580-SSUS	Queen EQM580-QSUS	King EQM580-KSUS
Power Consumption Rating	AC 120V, 60Hz, 290W (Normal Heating) / 340W (Fast Heating and Auto Heating)		
Water Tank Capacity	gal / ml 0.18 / 700		
Heating Unit Size	in / mm D 11.0 x W 6.1 x H 6.1 / D 280 x W 155 x H 155		
Heating Unit Weight	lbs. / kg 5.1 / 2.3		
Mattress Pad Material	100% polyester with environmental friendly PVC coating and phthalate additives below standard levels		
Mattress Pad Size	in / mm 76.8 x 39.4 / 1,950 x 1,000	76.8 x 57.0 / 1,950 x 1,450	76.8 x 65.0 / 1,950 x 1,650
Pad Cover Material	Top: 100% cotton (30 thread) / Filling and base: polyester		
Pad Cover Size	in / mm 80.7 x 43.3 / 2,050 x 1,100	80.7 x 61.0 / 2,050 x 1,550	80.7 x 68.9 / 2,050 x 1,750
Drive Method	Motor circulation method (BLDC motor applied)		
Manufacturer / Manufacturing Country	KD Navien Co.,Ltd / Republic of Korea		
Certification	ETL, FCC		

\* Mattress pads and pad covers may vary in size and color from product to product, and the above specifications may be changed without notice to improve quality.