



FASTWASH



**TAIWAN
EXCELLENCE
2022**



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Instant Heated Smart Toilet Seat

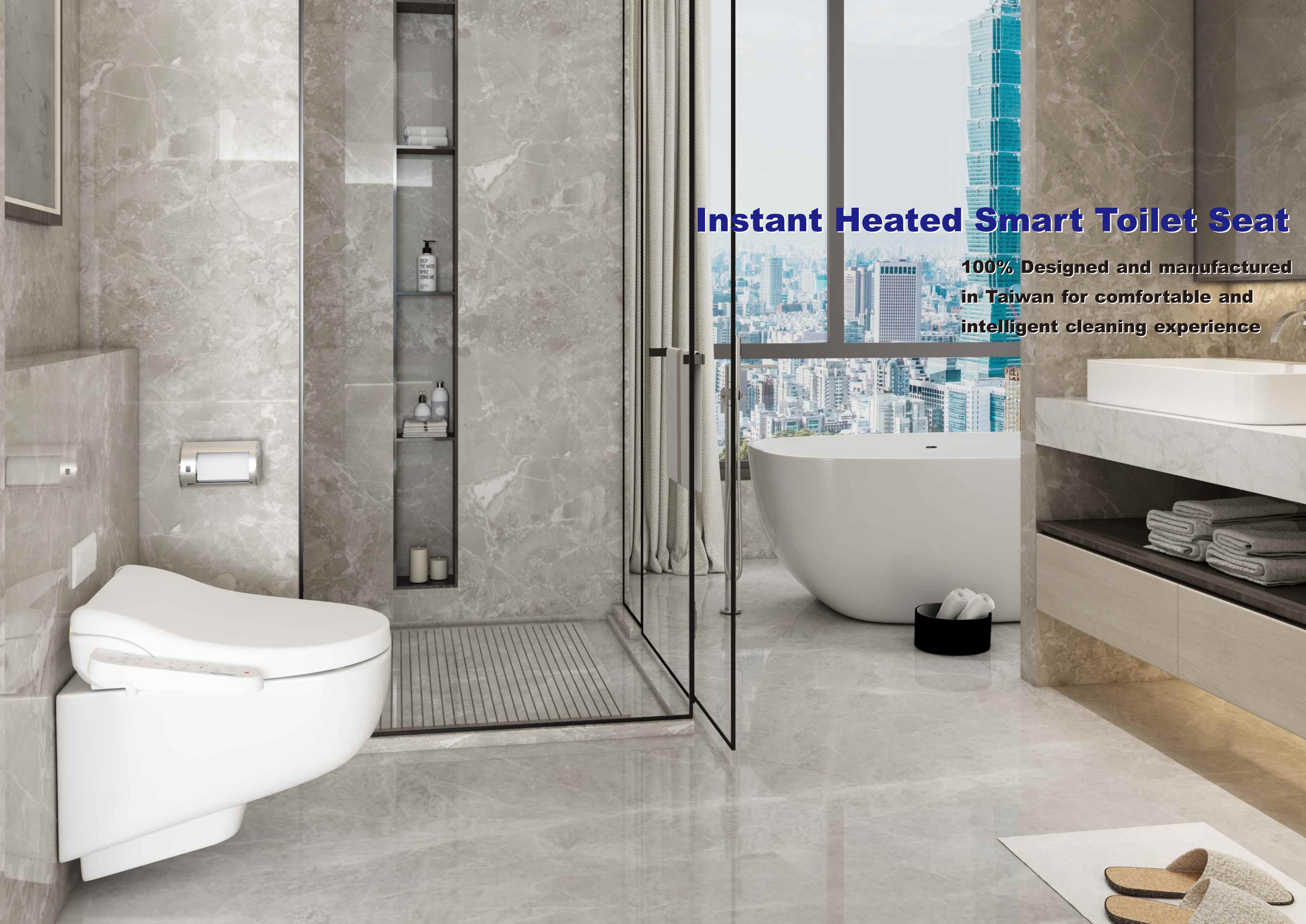


**The intelligent and hygienic life experience
made in Taiwan.**



Hokwang Industries Co., Ltd. was founded in December, 1996. We specialize in automatic hand dryer, automatic soap dispenser, automatic aerosol dispenser, automatic faucet, automatic flush valve, and recently added Instant heated smart toilet seat into our product range. Hokwang dedicate ourselves to design and manufacture the high quality automatic hygiene products while set eco-friendly and sustainable as our primary goal. We're committed to the corporate social responsibility, we promise: we take care of our employees and families, we lead our suppliers with improvement, and we support the development of social communities and local schools.

- ISO9001 and ISO14001 certified
- UL and TUV certified in-house laboratory
- Over 250 patents in the USA, Europe, China, and Taiwan
- Worldwide approvals: UL, cUL, CE, GS, CB, BSMI, EMC, LVD and more
- Excellent service: customers satisfaction >90% among 90 countries
- CSR: Grow together with the communities, employees, and suppliers
- Sustainability: environment friendly from factory plants to manufacture process



Instant Heated Smart Toilet Seat

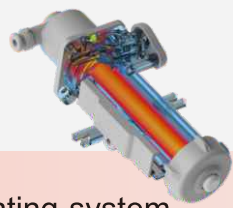
**100% Designed and manufactured
in Taiwan for comfortable and
intelligent cleaning experience**

Instant Heated Smart Toilet Seat

Ergonomically designed with a slim and elegant shape

1 SPA-like cleaning experience

- Instant water heating system
- Adjustable spray strength and nozzle position
- SPA massage movement feature



2 Antibacterial and highest quality material

- Anti-bacteria toilet seat
- Single stainless steel 316 nozzle
- UV Light Sterilizer
- Self-cleaning nozzle



3 User friendly design

- Adjustable water and seat temperature
- Warm air dryer
- Soft nightlight
- Easy seat removal
- Gentle-closing seat and lid
- Seat temperature visualization
- User-friendly control panel



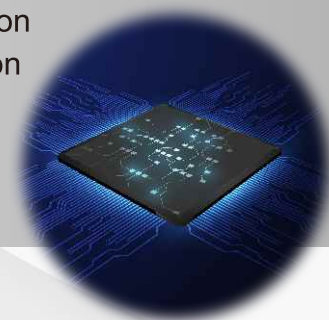
4 Intelligent technology

- Automatic deodorizer
- User memory mode
- Smart energy-saving technology



5 Multiple safety protection

- IPX4 water resistance
- Triple temperature protection
- Electrical leakage protection
- Thermal sensor protection
- Durable and reliable seat
- Intelligent body sensor

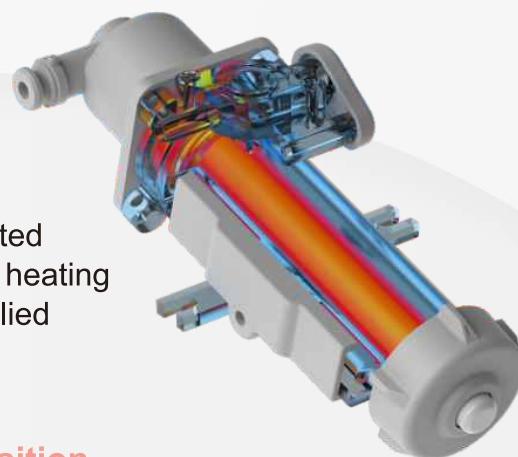


1

SPA-like cleaning experience

Instant water heating system

The water will be rapidly and continuously heated on-demand from the KYOCERA ceramic-core heating system to ensure only fresh water will be supplied to your cleaning experience.

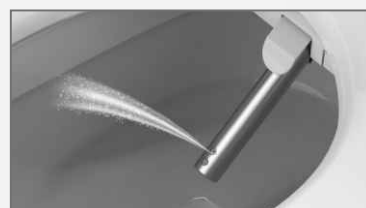


Adjustable spray strength and nozzle position

Two nozzle holes: front and rear. The washing area of the front hole is specially enlarged for hygienic and comfortable feminine wash. Five levels of spray strength: from strong stream to gentle spray, upon your selection. Five levels of nozzle position adjustments: makes it friendly for every individuals.



front wash nozzle



rear wash nozzle



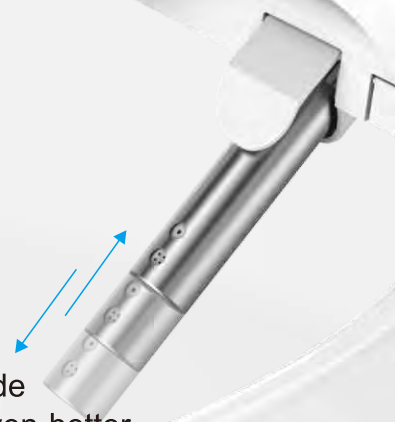
spray strength
(adjustable spray strength)



nozzle position
(adjustable nozzle position)

SPA massage movement feature

Spray strength circulates from strong to gentle while the nozzle moves back and forth. This feature is to provide a SPA massage that makes your releasing experience even better.



2

Antibacterial and highest quality material

SIAA (Society of Industrial Technology for Antimicrobial Articles) certified antibacterial treatment added to the seat, inhibits 99% of bacteria growth.



Single stainless steel 316 nozzle

Made from medical-grade stainless steel #316. Seamless tube: not only makes maintenance easy but also more hygienic.

UV Light Sterilizer Model 178 188

When the nozzle returns back into the seat after the self-cleaning process, nozzle will be sterilized by UV light with wavelength of 280 nm for killing bacteria.



Self-cleaning nozzle

The nozzle will start its self-cleaning process when seated, before / after each use and when the user leaves the seat. Four parts of self-cleaning: cleans front, middle and rear section of the nozzle.



Nozzle self-cleaning(front)



Nozzle self-cleaning(middle)



Nozzle self-cleaning(rear)

3

User friendly design

Adjustable water and seat temperature

4 settings for both water and seat temperature for your needs:
room temperature / high: 40°C / middle: 37.5°C / low: 35°C

Warm air dryer

Model 178 188

3 temperature settings: low / middle / high

Enjoy the warm air drying experience while reduce the toilet paper usage

Soft Nightlight

The soft and power-saving (1 Watt) nightlight guides you to the toilet without the need to turn on the bright bathroom light that may cause insomnia afterwards.

Gentle seat and lid colsing

Slowly closing seat and lid prevents slamming



Gentle seat closing



Gentle lid closing

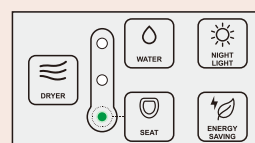
Easy seat removal

Quick release feature enables the seat to be removed from the ceramic toilet by one click, cleaning is as easy as possible.

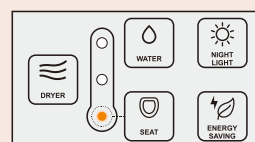


Seat temperature visualization

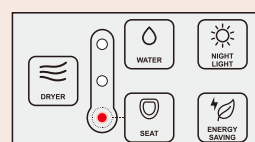
Temperature visualization with intuitive color codes showing on the side control panel.



Low



Middle



High

User-friendly control panel

Designed with large size font and simple symbols, FastWash can be used by anyone without any learning process. The most frequently used front and rear wash are indicated with red and blue LED light.

4

Intelligent technology

Automatic deodorizer

Model 168 178 188

Auto deodorizer: activates every time when seated and after use. Double technology: uses both carbon filter and ions deodorizer. Manual deodorizer: if extra deodorization is needed, press the deodorizer button on the panel, which goes on for 3 minutes.

User memory mode

Model 188 188-1

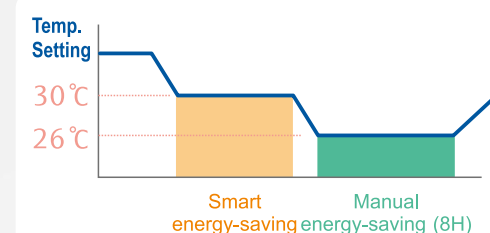
Saves two user's preference: even being adjusted by other users, the preferred seat temperature / water temperature / spray strength can be restored by just one click on the remote control.



Smart energy-saving technology

Auto energy-saving: seat temperature will be set at 30°C automatically after idle for 30 minutes. Manual energy-saving: when turned on, seat temperature will be set at 26°C for 8 hours.

The seat temperature can be adjusted back to the setting mode before the energy-saving mode by being seated or pressing any button to active FastWash.



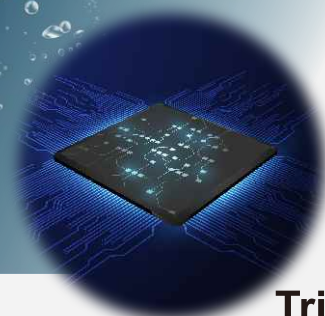
Multiple safety protection

5



IPX4 water resistance

Passed the IPX4 water spray test, FastWash is resistant to the splashes in the bathroom.



Triple temperature protection

All temperature related functions for the seat, water, and warm air are protected by the temperature protection chip and fuse to ensure a comfortable and safe user experience.

Anti-electrical leakage

The built-in anti-leakage device will immediately cut off the power when the electrical current leakage exceeds 15mA.

Durable and reliable seat

Made from PP material, this heat-resistant smart toilet seat passed the durability test of withstanding 1500N for over 10 minutes without any deformation or crack.

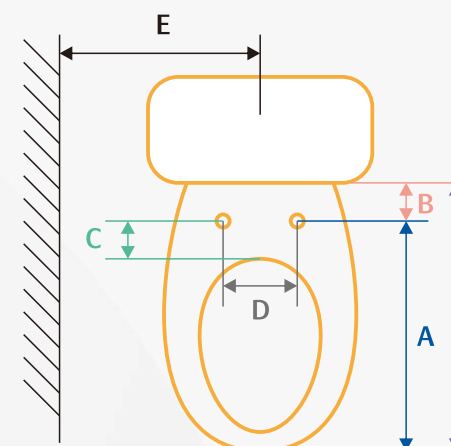
Thermal sensor protection

No matter if the water is cut off or the water inlet is turned off, if there is no incoming water, the dry burning prevention design will stop the instant heating system automatically.

Intelligent body sensor

Equipped with body sensor which only activate the FastWash when seated and prevent the water from starting when only the buttons are accidentally pushed.

TOILET SIZE INFORMATION



Measure the below listed dimensions on your toilet to determine if FastWash is suitable for you.

A. From the bolt holes to the toilet bowl front: 440~480 mm

B. From the bolt holes to the water tank: >50 mm

C. From the bolt holes to the rear of the toilet bowl: <85 mm

D. The distance between the bolt holes: 110~210 mm

E. From the center of the toilet bowl to the side wall: >280 mm

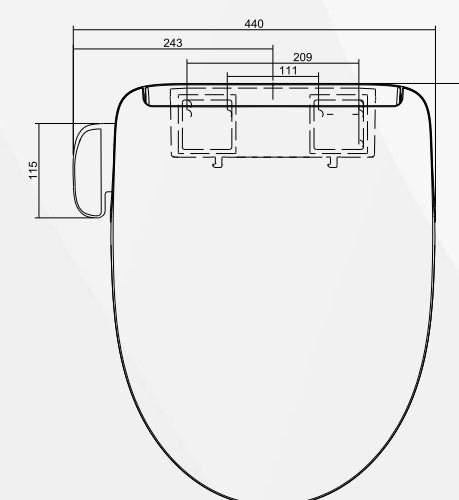
F. From the water tank to the toilet bowl front : >530 mm

● Must preserve an electrical socket at the left side of the toilet within one meter.

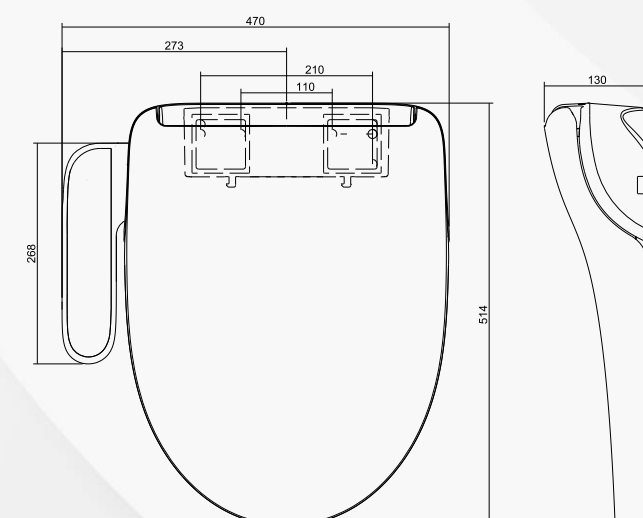
Any toilet with the measurements specified above is suitable for installing a FastWash instant heated smart toilet seat.

Dimensions of FastWash instant heated smart toilet seat

FW-188 / FW-188-1



FW-158 / FW-168 / FW-178



Specifications of Each Model

Model Number		FW-158	FW-168	FW-178	FW-188	FW-188-1
Specification						
SPA-like cleaning experience	Instant water heating system	●	●	●	●	●
	Rear wash	●	●	●	●	●
	Front wash	●	●	●	●	●
	Five levels of spray strength	●	●	●	●	●
	Five adjustable nozzle position	●	●	●	●	●
	SPA massage	●	●	●	●	●
	Nozzle oscillation	●	●	●	●	●
Antibacterial and highest quality material	SIAA anti-bacteria toilet seat	●	●	●	●	●
	Stainless steel 316 nozzle	●	●	●	●	●
	UV Light Sterilizer	-	-	●	●	-
	Self-cleaning nozzle	●	●	●	●	●
User friendly design	Four levels of water temperature	●	●	●	●	●
	Four levels of seat temperature	●	●	●	●	●
	Warm air dryer	-	-	●	●	-
	Soft nightlight	●	●	●	●	●
	Gentle seat closing	●	●	●	●	●
	Gentle lid closing	●	●	●	●	●
	Seat temperature visualization	●	●	●	●	●
	Indication lights	●	●	●	●	●
	Adjustable base plate	●	●	●	●	●
	Easy lid removal	●	●	●	●	●
	One-click seat removal	●	●	●	●	●
Intelligent technology	Automatic deodorizer	-	●	●	●	-
	Remote control	-	-	-	●	●
	User memory mode	-	-	-	●	●
	Auto energy-saving	●	●	●	●	●
Multiple safety protection	IPX4 water resistance	●	●	●	●	●
	Triple temperature protection	●	●	●	●	●
	Anti-electrical leakage protection	●	●	●	●	●
	Dry burning prevention device	●	●	●	●	●
	Durable and reliable seat	●	●	●	●	●
	Low electromagnetic radiation	●	●	●	●	●
	Intelligent body sensor	●	●	●	●	●



FW-158 / FW-168 / FW-178



FW-188 / FW-188-1

PRODUCT CERTIFICATION



● 9 patents have been received for the FastWash Smart Toilet Seats.