



Acacia Evolution Water Evolution

American Standard

"THIS IS EVOLUTION."

KHUMTONG JANSUWAN
CHIEF DESIGNER, AMERICAN STANDARD ASIA PACIFIC





Acacia Evolution
Water Evolution

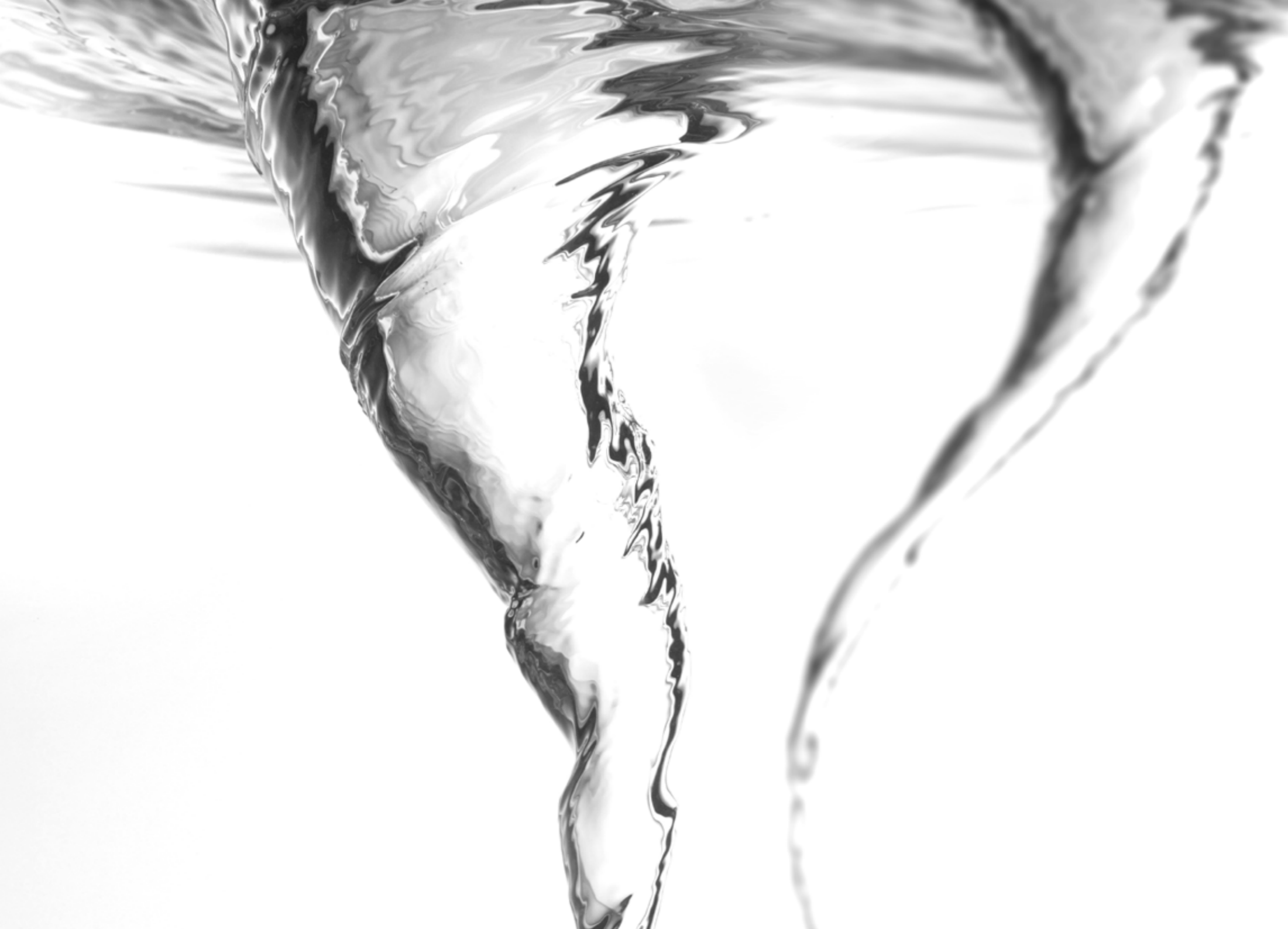
Inspired by form and simplicity, Acacia Evolution design exhibits soft, thin edges. It is also technologically equipped with a powerful flushing system, anti-bacterial touch-points and other revolutionary enhancements.



**KHUMTONG
JANSUWAN**

Khumtong, Chief Designer of American Standard Asia Pacific, has more than 24 years of experience in industrial bathroom designs.

His inspiration originates from his Asian roots and environment. Mesmerized by the DNA of Asian emotional colors and design elements, his work combines New and Traditional Asian cultures to create product designs that encapsulate simplicity.



DOUBLE VORTEX
 MAXIMUM FLUSHING PERFORMANCE,
 MINIMUM WATER USAGE

The design of the bowl propels the water forward and creates a strong flushing momentum.



100% of the water is ejected through two water openings.



Momentum and power is created by the design of the bowl and force of the water.



The resulting 'vortex' of water cleans the entire surface of the bowl.

RIMLESS
 HYGIENIC AND EASY TO CLEAN

Double Vortex is a rimless flushing system that effectively cleans the entire bowl interior, preventing dirt and deposits from building up. This rimless design makes it easy to clean as no dirt can accumulate over time.

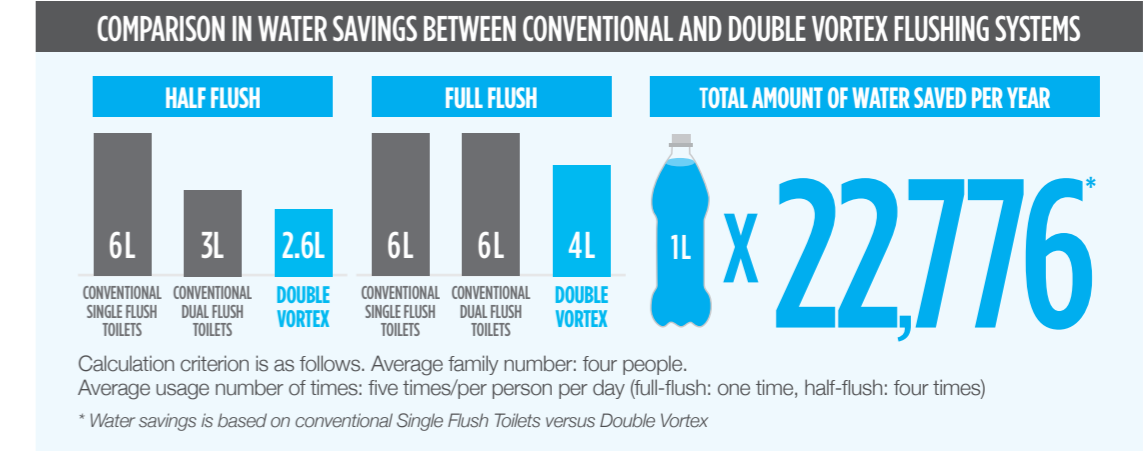


All water flows out from the top of the bowl, cleaning the inner surface of the bowl.

WATER-SAVING

USES ONLY 2.6L FOR HALF FLUSH AND 4L FOR FULL FLUSH

Apart from boasting an efficient flushing system, Double Vortex uses 2.6 litres of water for half flush and 4 litres for full flush. This equates to approximately 22,776 litres of water saved in a year for a family of 4.

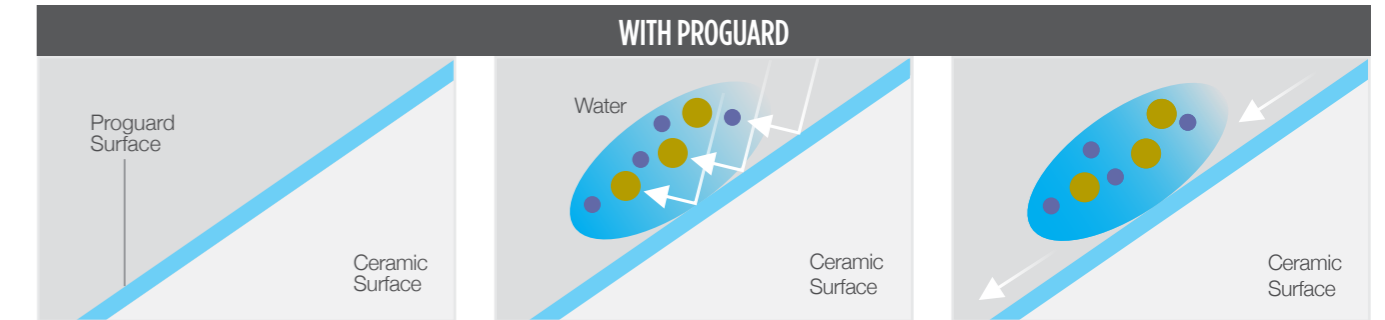




 **PROGUARD**
GUARDS AGAINST
WATER STAINS

Proguard, a revolutionary technology which is applied on ceramics, inhibits the build-up of water stains, making cleaning a breeze.

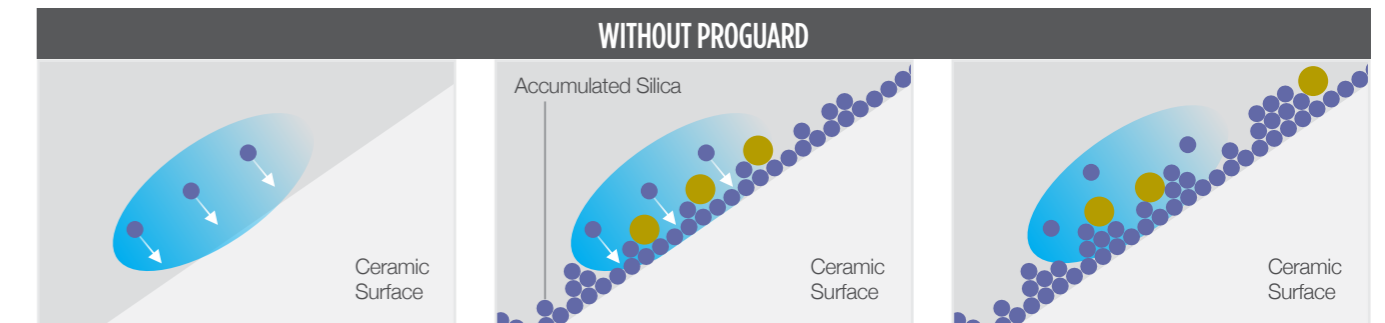
Water stains on ceramic wares are often caused by silica, which occurs naturally in water. Silica bonds chemically with ceramic surfaces, causing water stains. Proguard, a revolutionary technology which is applied on ceramics, prevents silica in the water from adhering to the surface. This results in easier maintenance and a cleaner bowl.



Proguard is applied on ceramic surface.

Dirt and silica in water cannot adhere easily on the surface.

Stains can be easily removed.




Conventional toilets without Proguard makes it easy for Silica in water to be attracted to its surface.

Silica found in water bonds with ceramic surface causing the surface to be jagged over time. This makes it easy to trap dirt and silica.

This is how water stains occur. Over time, these stains become harder to remove.

Legend:

-  Dirt
-  Silica

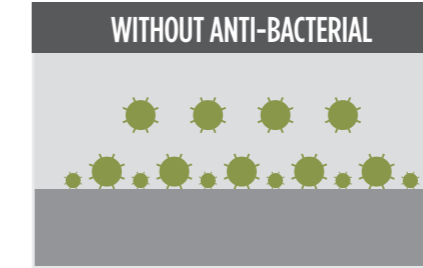




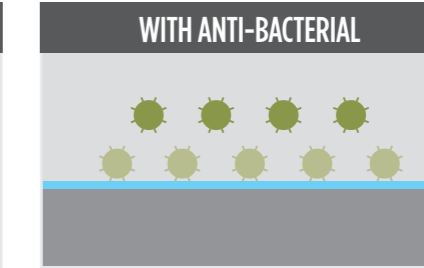
 **ANTI-BACTERIAL FINISH**

TOTAL HYGIENE PROTECTION

American Standard's anti-bacterial finish covers all essential touch points, including the push button, seat and cover and ceramic ware, to provide an ultimate hygienic environment.



Over time, bacteria breeds on a conventional toilet's surface.



With Anti-bacterial finish, it effectively inhibits the growth of bacteria.



American Standard is the first in the industry to meet *Japan Industrial Standard (JIS Z 2801:2010) for this anti-bacterial technology on the push button, eliminating 99.99% of bacteria. This technology is also applied on the seat and cover to provide a more hygienic environment.



The anti-bacterial innovation is applied as a glaze on ceramic wares, and is certified by the Industrial Microbiological Service Ltd (IMSL) in UK. The anti-bacterial feature cannot be removed even by household detergents, providing a lifetime of hygiene protection.

*Japan Industrial Standard (JIS Z 2801:2010) is the standard established by Japan Industrial Standard to test for anti-bacterial activity and efficacy.

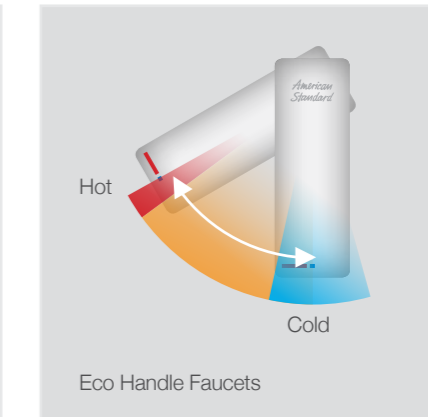
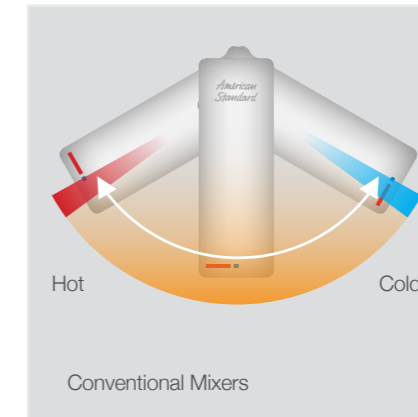




ECO HANDLE FAUCETS

PROVIDES UP TO 30% ENERGY SAVINGS

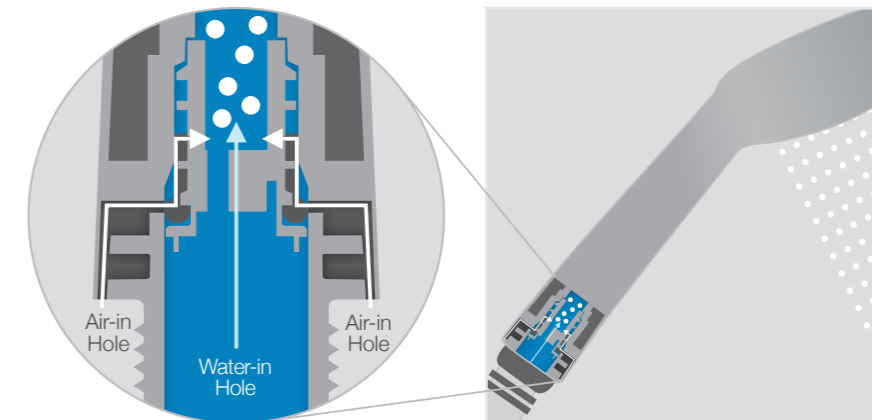
Unlike conventional mixers, Acacia Evolution's Eco Handle releases cold water instead of warm water upon lifting the lever. This saves you precious energy as it prevents the boiler from heating up, resulting up to 30% energy savings. To get hot water, you only need to move the lever to the left.



AIR-IN TECHNOLOGY

A LUXURIOUS SHOWER WITH 20% WATER SAVINGS

The Air-in Technology in Acacia Evolution handshower provides you with a luxurious shower experience. The technology works by drawing air into the water stream via a cleverly concealed opening at the bottom of the handshower. The water droplets are infused with air bubbles, giving you a feeling of a full shower spray, yet saving water by 20%.



Acacia Evolution Collection



TOILETS

| Product Description | One Piece Toilet | Closed Coupled Toilet | Back-To-Wall Closed Coupled Toilet * | Wall Hung Toilet * | Back-To-Wall Wall Hung Toilet * | Shower Toilet - Manual / Auto Version |
|----------------------|--|--|--|--|--|--|
| Dimensions | 376W x 740L x 654H | 376W x 740L x 760H | 376W x 680L x 780H | 376W x 555L x 360H | 376W x 555L x 390H | 414W x 649L x 549H |
| Litres Per Flush | 2.6 / 4 Litres | 2.6 / 4 Litres | 2.6 / 4 Litres | 2.6 / 4 Litres | 2.6 / 4 Litres | 3.5 / 5 litres |
| Technology | Double Vortex, Proguard, Antibacterial | Double Vortex, Proguard, Antibacterial | Double Vortex, Proguard, Antibacterial | Double Vortex, Proguard, Antibacterial | Double Vortex, Proguard, Antibacterial | Deodoriser, Bidet Functions, Instant Heating, Automatic Flushing |
| Roughing-In/ Trapway | 305mm, S-trap | 305mm, S-trap | S-Trap 140-245 mm | P-Trap 220 mm | S-Trap 70 mm, P-Trap 190 mm | S-Trap 305 mm |

BATHTUB

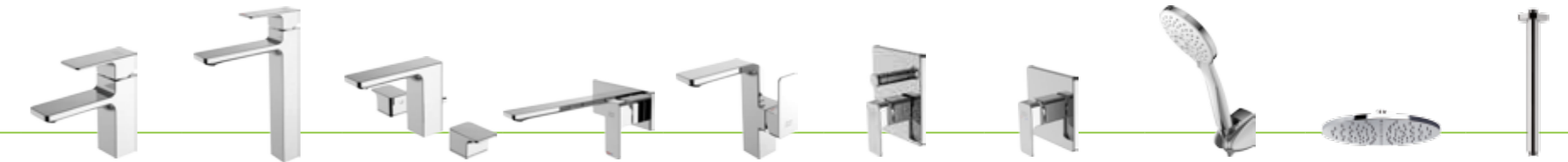


| Product Description | Free Standing Bathtub |
|------------------------|-----------------------|
| Dimensions | 1705L x 855W x 590H |
| Capacity (To Overflow) | 362 (289)L |



LAVATORIES

| Product Description | 600mm Wall Hung Lavatory | 600mm Wash Basin with Semi Pedestal | 600mm Rectangular Vessel | Round Vessel | 500mm Semi Recessed Lavatory | 500mm Countertop Lavatory * | 500mm Countertop Lavatory with Space * |
|---------------------|--------------------------|-------------------------------------|--------------------------|-------------------------|------------------------------|-----------------------------|--|
| Dimensions | 460W x 600L x 181H | 460W x 600L x 460H | 460W x 600L x 181H | 400W x 400L x 181H | 460W x 500L x 181H | 460W x 500L x 181H | 460W x 500L x 181H |
| Technology | Proguard, Antibacterial | Proguard, Antibacterial | Proguard, Antibacterial | Proguard, Antibacterial | Proguard, Antibacterial | Proguard, Antibacterial | Proguard, Antibacterial |



FITTINGS

| Product Description | Basin Mixer | Extended Basin Mixer | 3-Hole Basin Mixer | Wall Mount Basin Mixer | High Spout Basin Mixer | Concealed Bath and Shower Mixer | Concealed Shower Mixer | 3 Function Air-in Shower Set | 250mm Round Air-in Showerhead | Ceiling Shower Arm |
|---------------------|-------------|----------------------|--------------------|------------------------|------------------------|---------------------------------|------------------------|------------------------------|-------------------------------|--------------------|
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FITTINGS

| Product Description | Wall Mount Shower Arm | Bath Spout | Exposed Bath & Shower Mixer | Exposed Shower Mixer | Deck Mount Bath & Shower Mixer | Basin Mono | Exposed Shower Mono | Concealed Shower Mono |
|---------------------|-----------------------|------------|-----------------------------|----------------------|--------------------------------|------------|---------------------|-----------------------|
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ACCESSORIES

| Product Description | Robe Hook | Soap Dish | Glass Holder | Toilet Brush | Tissue Holder | Towel Ring | Towel Bar | Double Towel Bar | Towel Shelf |
|---------------------|-----------|-----------|--------------|--------------|---------------|------------|-----------|------------------|-------------|
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