

**NEWS: For Immediate Release**

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## **TOTO Increases Line of High-Performance 1.28 GPF Toilets State-of-the-Art Double Cyclone Flush Engine Now Available on *Supreme II, Carolina II, Carlyle II, and Vespine II***

**(Morrow, GA) April 16, 2010** — “Make Water Work Harder” is the motto at TOTO, the company renowned for innovating products that empower you with new solutions for a better lifestyle. A case in point is its Double Cyclone Flush Engine, which takes today’s water-saving flush volume (1.28 gallons per flush [gpf]) and marries it to flawless performance and exceptional bowl cleansing action to create a green, clean flushing system that saves you money, water, and time cleaning the toilet, always a thankless task.



The decorative one-piece Carlyle II saves its owners water, money, and time – and looks good doing it.

“The newest decorative toilets to join the growing Double Cyclone family are the one-piece, skirted Carolina II and Carlyle II, the one-piece Supreme II, and the two-piece Vespine II,” reported Lenora Campos, Ph.D., company spokesperson. “The new models will complement any bath décor. From the sleek look of a one-piece toilet with a low profile tank to the transitional appeal of the two-piece Vespine II, these new models increase TOTO’s selection of products that define value with quality, performance, high-efficiency, and innovation that puts people first.”

### **Anatomy of a High-Performance Flush Engine**

To achieve the highest level of performance and bowl cleansing action needed to satisfy its discriminating customers, TOTO engineers went back to the drawing board and completely redesigned both the toilet’s hydrodynamics and its bowl.

When these beautiful high-efficiency Double Cyclone toilets are flushed, three actions occur nearly simultaneously. First, the primary nozzle – located at the back of the bowl -- fires a high-speed stream of water that scours the rim and starts the water’s Cyclone action. Almost immediately, a second water nozzle, behind the first, fires another high-speed stream that provides 360-degrees of cleansing action. At the same time, the siphon jet harnesses the accelerating power of this rapidly rotating cyclone of water for unsurpassed waste removal at the modest 1.28 gpf volume.



To completely redesign the Double Cyclone toilet’s bowl, TOTO engineers removed the rim (a hollow tube) that overhangs a traditional toilet bowl, which is punctuated with rim holes to slowly release water and remove waste. These traditional rims are difficult to clean because you cannot see or effectively clean trapped waste or

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bacteria from inside or beneath them. Instead, TOTO engineers designed a concave rim through which the high-speed water jets travel cleansing the rim and bowl, removing debris, matter, and bacteria with each flush, which greatly reduces the time needed to clean the unit.




To finish off their new bowl design, TOTO engineers coated the rim and bowl with SanaGloss, the company’s nano-technology glaze, which seals the porcelain with an ionized barrier creating a super-slippery, non-porous surface that repels the waste and bacteria. In short, when protected by SanaGloss, the water that rinses the bowl and rim as the toilet flushes is all that is needed to remove stains, residue, scaling, and lime buildup. Invisible organisms, including bacteria and molds, also are eliminated. You won’t need harsh detergents, which are expensive and harmful to the environment.

In addition to its newest members, TOTO’s growing family of 1.28 gpf Double Cyclone toilets also includes the Guinevere, Soirée, Drake II, UltraMax II, and Drake II. Below is a quick guide to the new Double Cyclone high-efficiency toilets:

<p><b>Supreme® II Toilet</b> MS634164CEF(G)</p> 	<ul style="list-style-type: none"> <li>• Double Cyclone® flushing system, low consumption (1.28GPF/4.8LPF)</li> <li>• SanaGloss® porcelain glaze (not available on Ebony #51)</li> <li>• Universal Height</li> <li>• Decorative one-piece design with low-profile tank</li> <li>• Elongated front bowl with SoftClose® seat (SS164)</li> <li>• 12" Unifit® rough-in</li> <li>• Chrome trip lever</li> <li>• May be upgraded with a Washlet®</li> </ul>
<p><b>Carolina® II</b> MS644164CEF(G)</p> 	<ul style="list-style-type: none"> <li>• Double Cyclone® flushing system, low consumption (1.28GPF/4.8LPF)</li> <li>• Skirted design</li> <li>• SanaGloss® porcelain glaze (not available on Ebony #51)</li> <li>• Universal Height</li> <li>• Decorative one-piece design with low-profile tank</li> <li>• Elongated front bowl with SoftClose® seat (SS164)</li> <li>• 12" Unifit® rough-in included</li> <li>• Chrome trip lever</li> <li>• May be upgraded with a Washlet®</li> </ul>
<p><b>Carlyle® II</b> MS614164CEF(G)</p> 	<ul style="list-style-type: none"> <li>• Double Cyclone® flushing system, low consumption (1.28GPF/4.8LPF)</li> <li>• Skirted design</li> <li>• SanaGloss® porcelain glaze (not available on Ebony #51)</li> <li>• Universal Height</li> <li>• Decorative one-piece design with high-profile tank</li> <li>• Elongated front bowl with SoftClose® seat (SS164)</li> <li>• 12" Unifit® rough-in included</li> <li>• Chrome trip lever</li> <li>• May be upgraded with a Washlet®</li> </ul>

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<p><b>Vespin® II Toilet</b> CST474CEF(G)</p> 	<ul style="list-style-type: none"> <li>• Double Cyclone® flushing system, low consumption</li> <li>• (1.28GPF/4.8LPF)</li> <li>• Skirted design</li> <li>• SanaGloss® porcelain glaze (not available on Ebony #51)</li> <li>• Universal Height</li> <li>• Decorative two-piece design with high-profile tank</li> <li>• Elongated front bowl and tank set, less seat</li> <li>• 12" UniFit® Rough-in (included), less supply</li> <li>• Chrome trip lever</li> <li>• May be upgraded with a SoftClose® Seat or Washlet®</li> </ul>
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***High-resolution digital photos of the Supreme II, Carolina II, Carlyle II, and Vespin II High-Efficiency Toilets with Double Cyclone Flush Engine are available for download from TOTO's Online Press Room or immediately upon request.***

**About TOTO:**

TOTO is the largest plumbing manufacturer in the world with 80 affiliated production facilities globally. Since 1917, TOTO Ltd., Japan, has been a pioneer in high-performance plumbing systems that bring consumers superbly designed water and energy efficient products. In 1989, TOTO entered the US market with a driving commitment to enhance the human experience by innovating water technologies of the highest order, while passionately protecting the planet's natural resources. The winner of numerous domestic and international awards and recognitions, TOTO USA is certified by ISO 14001: 2004 and ISO 9001: 2000. The only plumbing manufacturer to be honored as Water Efficiency Leader by the Environmental Protection Agency, TOTO seeks perfection by design as it continuously innovates sustainable water technologies that enhance the lives of its customers and the environment. TOTO USA continues to raise industry standards and consumer expectations as to what is possible in the bath space, as its name is synonymous with beauty, performance, and craftsmanship.

For more information, please visit [www.totousa.com](http://www.totousa.com) or call 888.295.8134, Option 5.

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