Small Profile High-Efficiency Urinal
UT105U(V)(G)

The organically shaped, ADA compliant TOTO 0.125gpf urinal features a compact design that occupies less wall space than traditional urinals. TOTO HEU’s are engineered to work with the EcoPower® flush valves, offering the ultimate in water conservation and flushing performance. Using only one pint of water per flush when paired with a TOTO EcoPower® 0.125gpf flush valve, the urinal saves 88% more water than a 1.0gpf urinal. The urinal is available in top spud and back spud installation options.

Performance Dashboard

Features & functionality
0.125gpf when paired with a TOTO 0.125gpf EcoPower® flush valve
Washout flush action with 3/4” top or back spud inlet
Compact urinal with concealed integral trap
Complete with low profile dome strainer
Wall-mounted
ADA compliant
Visit TOTO for more product specifications

Environmental performance
Saves 88% more water than standard 1.0gpf urinal
Upcycling of post industrial porcelain waste into ceramic floor tile
ecoScorecard™ listed
WaterSense® certified
Total impacts = 11.13 mPts/ per 10 years of service
Learn about SM Single Score results
See LCA results & interpretation

VERIFICATION

Report
Certified
Self-declared
3rd party verified
Self-declared
LCA
Validity: 10/18/14 – 10/18/17
TOT – 10/18/14 – 007

LCA SCOPE

Cradle to grave
Cradle to gate with options
Cradle to gate

The LCA was independently verified in accordance with ISO 14040-44 and the Sustainable Minds Transparency Report® Framework (Draft version 2.0).
Cradle to gate with options

ends at year 10 and that the materials will be treated in an end-of-life scenario.

10 years of use of a urinal in an average U.S. commercial environment.

Functional unit

One urinal in an average U.S. commercial environment. The period of 10 years is
modeled as the period of application based on the average technical lifespan
for commercial applications. The economical lifespan of commercial
applications can be longer or lower due to aesthetic replacements or more
intens

replacement during the modeled life time.

Operational energy use is irrelevant to the life
cycle of the modeled product.

The brass parts together with the turning brass process have dominating
contributions to the eutrophication, non-carcinogenics and carcinogenics
impact categories. The remaining parts and processes contribute between 2%
and 32% of the overall impacts in the rest of the categories

Results show that the use stage is less dominant than the production stage, yet
it is still significant in most of the impact categories. This is mostly due to the
embedded water used.

Environmental product declarations

- Dual-Max, E-Max, Double Cyclone, 1G, and EcoPower technologies

reduce water consumption in the use phase

- 100% of post-industrial ceramic waste is recycled

- Energy efficiency programs optimize the firing process

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Sensitivity analysis

There are no severe trends that would result in exceedances greater than 10% in
the LCA results.

SMTP 2013

Part B: Prescriptive Path for Interior Fit-outs

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References

LCI & Results analysis

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What’s causing the greatest impacts

All lifecycle stages

The production stage is dominating all impact categories. Pressurized flush
system, production of raw materials and packaging are the main contributors to
each impact category. The flushing energy is required in the use stage due to
the flow of pressurized water. The packaging contributes significantly to
the impacts due to the large volume of materials used in the product. The
packaging materials can be recycled and the recycling is mostly focused on
the corrugated box used in the urinal. The main contributors are the
ceramic parts which have dominating contributions to the eutrophication,
non-carcinogenics and carcinogenics impact categories. There are no severe
trends that would result in exceedances greater than 10% in the LCA results.

TOTO瑞風Relativator™ programs improving environmental performance

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References
How we make it greener

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See LCA results by lifecycle stage

SM Manufacturers Showroom

TOTO Small Profile High-Efficiency Urinal UT105U(G)

How we make it greener

PRODUCTION

- Waste heat from the kilns is routed to the product dryer. This reduces 15% natural gas consumption.
- 50% of the electricity that TOTO uses is based on renewable energy generation. It’s 6 million kilowatt hours of green energy, which means over 9 million pounds of carbon reduced each year.
- 0.45 million gallons per month of greywater is used in TOTO’s operations. 1,620 of kWh in energy is reduced due to less potable water.
- 65% of all cardboard used is 100% recycled content.

CONSTRUCTION

- UPS parcel shipments are carbon neutral. TOTO is a registered SmartWay® Transport Partner.

USE

- Designed to work in combination with the EcoPower TEU1UN Urinal Flush Valve, the urinal was engineered to utilize biomimicry, modeled after the oxbow affect found in nature. Water moving on the outside of a curve will move faster, causing turbulence. The 0.125gpf urinal utilizes a V-shaped trap to reduce turbulent flow, resulting in lower water use without compromising performance.
- Designed to work in combination with the EcoPower TEU1UN Urinal Flush Valve, the 0.125 gallon per flush urinal reinforces TOTO’s performance reputation while offering an additional water savings.

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