

TOTO®

Standard R & S Touchless Faucets – 0.35 GPM/0.12 GPC

T28S32E, T28S32EM & T28S32ET
T27S32E, T27S32EM & T27S32ET

Ideal for high-traffic commercial spaces, the TOTO Standard EcoPower sensor faucets provide an elegant water conservation solution for LEED option. Powered by water, EcoPower's turbine creates an electrical current that is stored in rechargeable cells to power the Smart Sensor System of the faucet.



Performance dashboard

Features & functionality

- Hydropower self generating system
- No minimum daily usage requirement
- Micro-sensor positioned underneath the spout head for accurate hand detection ensuring smooth and consistent water distribution
- Durable chrome plated spout body
- Single-hole mount
- Kit includes spout body, controller box, and mounting hardware – less supply lines
- Equipped with 0.35gpm flow control
- Mixing valve options available

Visit **TOTO** for more product specifications:

- [Standard-R Touchless Faucet Series](#)
- [Standard-S Touchless Faucet Series](#)

Environment & materials

- Improved by:**
Powered by the sheer force of running water
- See [How we make it greener](#) for water savings information
- Metal parts and electric components are able to be recycled at the end of service
- Certifications, rating systems & disclosures:**
30% below LEED® v4.1's Indoor Water Use Reduction baseline with its 0.35gpm flow volume
- Contributes to earning credits in LEED®
- CALGreen® compliant
- Declare™ label

MasterFormat® #22 42 39



- ECO-POWER® SELF-SUSTAINING FAUCETS**
- Powered by water to create an electrical current that is stored in rechargeable cells to power the Smart Sensor System of the faucet or valve.
 - Reduces electricity use, lower maintenance costs and hands-free, automatic-shut-off functionality.

[See LCA, interpretation & rating systems](#)

[See materials, interpretation & rating systems](#)



Declare.



SM Transparency Report (EPD)™ + Material Health Overview™

EPD	LCA
3rd-party reviewed	
Transparency Report (EPD)	
3rd-party verified	
Validity: 08/31/2024 – 08/30/2029 TOTO – 20240831 – 006	
MATERIAL HEALTH	Material evaluation
Self-declared	

This environmental product declaration (EPD) was externally verified by Jack Geibig (Ecoform) on behalf of NSF according to ISO 14044; ISO 21930:2017; SM Part A: LCA calculation rules and report requirements, 2023; the reference PCR; and ISO 14025:2006.

Ecoform, LLC
11903 Black Road
Knoxville, TN 37932
(865) 850-1883
www.ecoform.com

NSF International
P.O. Box 130140, 789 N. Dixboro Road,
Ann Arbor, MI 48105, USA
www.nsf.org
734 769 8010



Certified Environmental Product Declaration
www.nsf.org

SUMMARY

Reference PCR
SM Part B: Commercial/public metered and manual lavatory faucets, v3.0

Regions; system boundaries
North America; Cradle-to-grave

Functional unit
One metered lavatory faucet in an average commercial environment over the estimated service life of the building

LCIA methodology; LCA software; LCI database
TRACI 2.1; SimaPro Analyst 9.5; ecoinvent and USLCI databases

In accordance with ISO 14044 and the referenced PCR, the life cycle assessment was conducted by Sustainable Minds and critically reviewed by Jack Geibig (Ecoform) on behalf of NSF.

Public LCA
LCA background report of TOTO Faucets, Flush Valves, and Residential Toilets, 2024

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Removal from Product (kg CO2)													
Biogenic Carbon Emission from Product (kg CO2)	0	0	0	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0	0
Biogenic Carbon Removal from Packaging (kg CO2)	3.04E-01	0	0	0.00E+00	0	4.56E-01	0	0	0	0	0	0	3.04E-01
Biogenic Carbon Emission from Packaging (kg CO2)	0	0	3.04E-01	0.00E+00	0	4.56E-01	0	0	0	0	0	0	3.04E-01
Biogenic Carbon Emission from Combustion of Waste from Renewable Sources Used in Production Processes (kg CO2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Calcination Carbon Emissions (kg CO2)	0	0	0	0.00E+00	0	0.00E+00	0	0	0	0	0	0	0
Carbonation Carbon Removals (kg CO2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Emissions from Combustion of Waste from Renewable and Non-Renewable Sources used in Production Processes (kg CO2)	0	0	0	0	0	0	0	0	0	0	0	0	0



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LCA & material health results & interpretation

Standard-R and Standard-S Faucet Series

Standard-R (no mix valve)	Standard-R (w/ mix valve)	Standard-R (w/ thermo mix valve)	Standard-S (no mix valve)	Standard-S (w/ mix valve)
Standard-S (w/ thermo mix valve)	EPD additional content	Material health		

Evaluation programs

Declare

Declare labels are issued to products disclosing ingredient inventory, sourcing, and end of life options. Declare labels are based on the Manufacturers Guide to Declare, administered by the International Living Future Institute.

How it works

Material ingredients are inventoried and screened against the **Living Building Challenge (LBC)** Red List which represents the 'worst in class' materials, chemicals, and elements known to pose serious risks to human health and the greater ecosystem.

The Declare product database and label are used to select products that meet the Living Building Challenge's stringent materials requirements, streamlining the materials specification and certification process.

Assessment scope and results

Declare™

Inventory threshold: 100 ppm

Declare level:

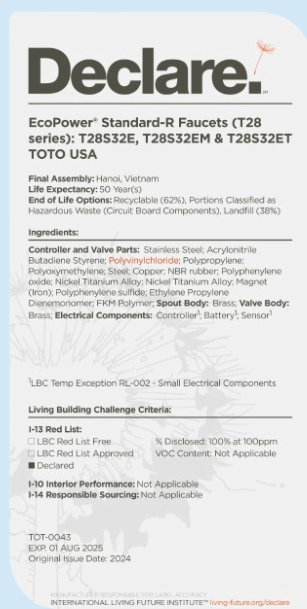
The Declare product database and label are used to select products that meet the LBC's stringent materials requirements, streamlining the materials specification and certification process.

- LBC Red List Free [?]
- LBC Red List Approved [?]
- Declared [?]

Click the label to see the full declaration.

● Standard-R Faucet Series

● Standard-S Faucet Series



What's in this product and why

Declare level

'Declared' is awarded to products when all the ingredients name and CAS numbers have been disclosed. 100% disclosure qualifies the product for the LEED v4 building product disclosure and optimization - material ingredients credit option 1.

What's in the product and why

The spout assembly includes **polyvinyl chloride (PVC)**. PVC is used in plumbing applications where corrosion-resistance and durability are required. The spout in its final form does not represent any hazards to the user.

The TOTO facility in which the faucet is manufactured is ISO 14001 certified.

This means that the facility has implemented an environmental management system as part of TOTO's commitment to the health of the environment.

Where it goes at the end of its life

TOTO encourages consumers to recycle their used faucet and faucet parts. Contact your local municipality for recycling programs.

How we're making it healthier

The EcoPower technology enables the faucet to operate off the energy grid and requires no routine battery replacement. This technology helps to reduce pollution and hazardous waste, thereby mitigating human health impacts.

[See how we make it greener](#)

References

Declare

TOTO USA, Declare label for Standard-R Faucet Series

TOTO USA, Declare label for Standard-S Faucet Series

Manufacturer's Guide to Declare

A comprehensive guide providing information about the program, the assessment methodology, how to submit material data to obtain a Declare label and how they are used to meet the Health & Happiness and Materials Petals of the Living Building Challenge.

Rating systems

LEED BD+C: New Construction | v4 - LEED v4

Building product disclosure and optimization

Material Ingredients

Credit value options 1 product each

1. Reporting 2. Optimization 3. Supply Chain Optimization

LEED BD+C: New Construction | v4.1 - LEED v4.1

Materials and resources

Material Ingredients

Credit value options 1 product each

1. Reporting 2. Optimization 3. Supply Chain Optimization

Living Building Challenge

Materials petals imperatives

10. Red List Free 12. Responsible Industry 13. Living Economy Sourcing

WELL Building Standard®

Air and Mind Features

- X07 Materials Transparency

- X08 Materials Optimization

Collaborative for High Performance Schools National Criteria

EQ C7.1 Material Health Disclosures

- Performance Approach 2 points

- Prescriptive Approach 2 points

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How we make it greener

Standard-R and Standard-S Faucet Series

Expand all

CONSTRUCTION

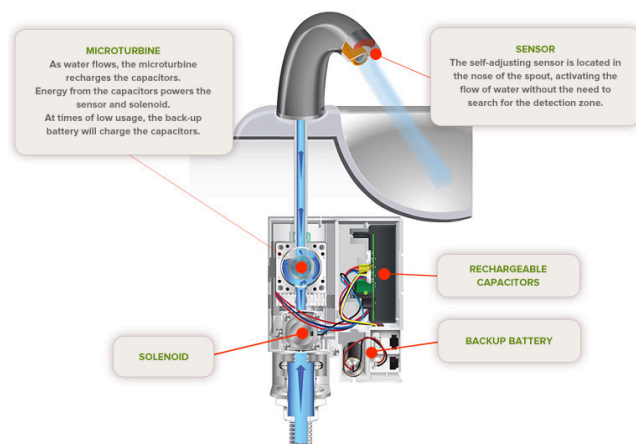


TOTO participates in the UPS Carbon Neutral program. TOTO is a certified SmartWay® Transport Partner.

USE



TOTO's Standard EcoPower® Faucets feature the highly regarded EcoPower technology. Engineered to reduce environmental impacts, TOTO's EcoPower products offer water and energy savings without sacrificing performance. Below are some of the features of TOTO's EcoPower technology.



SENSOR:

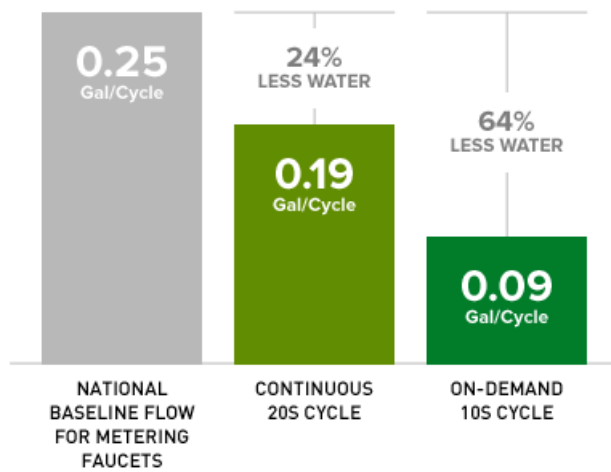
Located in the nose of the faucet, the EcoPower sensor ensures that water flows only when needed. The detection zone is right where you need it, eliminating the need to search with your hands to activate the flow of water. For on-demand versions, the sensor will stop the flow of water upon removal of the hands from the sensing zone, preventing wasted water.

MICROTURBINE:

TOTO's EcoPower technology enables the product to operate 100% off grid. As water flows, the hydro powered microturbine recharges the capacitors for the sensor and solenoid. Less reliance on the back-up battery results in much less battery waste.

SOLENOID:

The solenoid mechanism, a water-saving technology, maintains consistent flow rate under a range of supply pressures.



Using the same proven engineering as our legendary EcoPower TEL3/5G series, the Standard-R and Standard-S Faucet Series reinforces TOTO's performance reputation while offering additional water savings.



Metal and electronic parts can be recycled at the end of life.

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