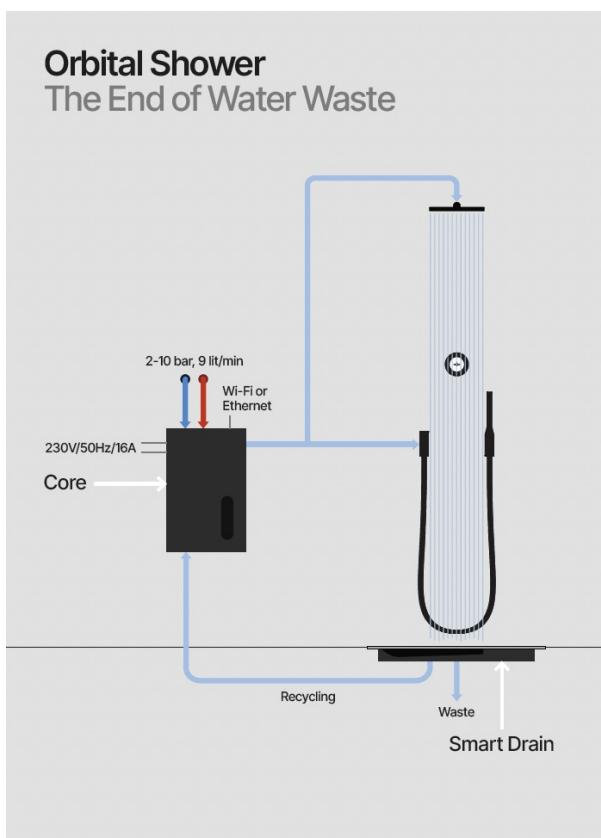




## Product factsheet

# Orbital Shower

Hardware product or technological device



### Orbital Shower Principles

- The Smart Drain constantly monitors water quality, water volume and temperature.
- The Core contains: filter, UV-lamp, heater, pump, sensors and electronics.
- Water that is clean and warm enough for the cleaning and reheating process in the Core is recirculated and purified.
- The purification process produces water of drinking water quality.
- The shower has internet connection for app-control and cloud monitoring.
- The system is cleaned and flushed after each shower session, no water is stored.

### Maintenance

- Just like any other shower, the drain needs to be regularly cleared of hair.
- The shower will remind you when it is time to put a cleaning tablet on the floor and activate the cleaning program. It will tell you when it is time for filter change.
- Consumables and warranty are included in the 10-year Care Plan.

### Experience

- Constant high flow (up to 12l/min) and precise temperature control.
- Sleek Scandinavian design or choice of 3rd party hand- and head shower.
- Hi-Fi-Audio/App/API/Customisations.

### Savings

- Up to 90% water savings and 80% energy savings.

### Price

- Starting at € 1560 + €8/month Care Plan fee, 10-year warranty included.

orbital-systems.com

## Description

Orbital Shower is a recirculating shower that reimagines water use on Earth, combining advanced technology with elegant design for a perfect balance of superior comfort and sustainability. It sets a new standard in water consumption and energy efficiency without a change in user behaviour.

At its heart is an intelligent water management system. By recirculating water, precisely controlling flow, and maintaining the ideal temperature, Orbital Shower minimizes waste. Enjoy long showers while only using about 20 liters of water—making a real difference in conserving our planet's resources.

The Control Dial, along with the integration of Orbital's My Water app, lets you personalize your shower settings exactly to your liking and keep track of your water and energy savings.

## Target audience

Hotels, homeowners, public housing

## Technical requirements

### General

The Orbital Shower is designed for both residential and commercial use in fixed environments. It is not compatible with mobile installations. The shower system must be installed in a stable location with a reliable connection to electricity, as it needs to remain powered at all times, even when not in use. To ensure reliable operation and prevent freezing, the system should not be installed in environments where the temperature may drop below 4°C.

### Water/Electrical

- Incoming Cold Water Temperature: 4-25°C
- Incoming Hot Water Temperature: 50-65°C
- Maximum Working Pressure Tap Water: PN10
- Incoming Water Pressure: 2-10 bar \*
- Water Supply Flow: 9 liters/minute per inlet hot & cold \*\*
- Water Hardness: 3°dH-14°dH , or 53-250mg CaCO<sub>3</sub>/liters
- Water Iron Content: <0.3 mg/liter
- Residual Circuit Breaker: One breaker per Shower Core
- Power Supply: One Phase, 230VAC / 50-60 Hz / 16A \*
- Mains Supply Wire: Minimum 2.5 mm<sup>2</sup> (rated for 16 A circuit)

## URL

<http://www.orbital-systems.com>

## Technologies applied by the product

- Energy Consumption Optimization
- UV/Ozone
- [Wastewater treatment technologies for water reuse](#)
- [Water Reuse and Recycling](#)

## Costs

Starting at €1560

Last update: 2025-01-27

## Technology Readiness Level

Level 8 (Last update: 2025-01-27)

### Related tags

energy recycling water efficiency