



University : UzSWLU  
Country : Uzbekistan  
Web Address: <https://www.uzswlu.uz/en>

#### 4. Water

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#### [4.5] WR5 Consumption of Treated Water

UzSWLU operates an integrated university-wide water treatment and distribution system providing purified water for drinking, food preparation, academic and laboratory activities, sanitation, and technical maintenance across campus facilities.

##### Water Treatment Infrastructure

| Component                        | Capacity                | Description                                                    |
|----------------------------------|-------------------------|----------------------------------------------------------------|
| Filtration capacity              | 445 m <sup>3</sup> /day | Multi-stage purification (sediment, carbon, UV, chlorination)  |
| Water storage capacity           | 500 m <sup>3</sup>      | Dual-reservoir system with automated flow control              |
| Purification units               | 22                      | Installed across academic, dormitory, and cafeteria facilities |
| Water dispensers with filtration | 145                     | Installed in teaching blocks, offices, residential halls       |
| Population served daily          | 15.000 +                | Students, faculty, and staff                                   |

The network supplies 100% purified water for all drinking and cooking needs and approximately 92% of total water consumption for all operational activities. Quality is verified via monthly laboratory analyses (UzSWLU Sanitation Laboratory, validated by the Tashkent City Water Utility) against Uzbek GOST 950:2019 and WHO standards; during 2024–2025, 48 assessments recorded zero contamination cases.

##### Performance and Efficiency Outcomes

| Indicator                                | 2023–24 | 2024–25 | 2025–26    | Chg.   |
|------------------------------------------|---------|---------|------------|--------|
| Total treated water (m <sup>3</sup> /yr) | 48,488  | 45,948  | 43,056     | –11.2% |
| <b>Share of water that is treated</b>    | 76%     | 84%     | <b>92%</b> | +16pp  |
| Laboratory compliance rate               | 98%     | 100%    | 100%       | +2%    |

In 2025–2026, 92% of total water consumed on campus is purified or treated. Complementary initiatives include the Water Recycling Programme (WR3), the Water Efficient Appliances Initiative (WR4), and a Plastic Reduction Programme that has cut single-use bottled water dependence by ~60% while distributing more than 2,500 reusable bottles.



**Water distribution equipment of the University (UzSWLU)**

**Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):**