

# Ballast Water Treatment Systems

---

Reduce Compliance Risk in BWMS through Predictable UV Performance

---

In Ballast Water Treatment Systems, UV lamps are not just components—they define compliance, uptime, and operational risk.

Variability in UV intensity directly impacts regulatory approval, system reliability, and total cost of ownership.

UV performance is not a technical detail—it is a business-critical factor.



## In BWMS operations, UV performance directly influences:

- ◆ Regulatory compliance and validation stability
- ◆ System uptime and vessel availability
- ◆ Disinfection reliability under real conditions
- ◆ Total cost of ownership through lifetime predictability

## Why Ushio reduces operational risk:

- ◆ Predictable UV output for consistent compliance performance
- ◆ Stable lifetime behavior under demanding operating conditions
- ◆ Full process control through in-house manufacturing in Europe
- ◆ Application-driven R&D; in Germany, close to system requirements

## Service focused on operational reliability:

- ◆ Dedicated point of contact
- ◆ Fast technical and commercial response
- ◆ Reliable delivery with European warehouse
- ◆ ISO-certified processes ensuring consistent quality

## Engineered to fit your system:

- ◆ Application testing in Germany
- ◆ Flexible design: mechanical, electrical, and connector options
- ◆ Custom configurations and labeling available

Ushio engineers and manufactures high-performance mid-pressure UV lamps and offer performance evaluation and sample testing to assess UV stability under your specific system conditions.

Contact: [sales@ushio.de](mailto:sales@ushio.de)



## About Ushio

Founded in Japan in 1968, Ushio develops and manufactures light-based technologies across the full spectrum – from Far UV to IR. At Ushio Europe we combine Japanese excellence with state of the art European manufacturing and customer-focused service.

# USHIO



### USHIO EUROPE B.V.

The Netherlands | +31 20 446 9333  
[sales@ushio.eu](mailto:sales@ushio.eu) | [www.ushio.eu](http://www.ushio.eu)

### USHIO GERMANY GmbH

Germany | +49 8094 906 0  
[sales@ushio.de](mailto:sales@ushio.de) | [www.ushio.de](http://www.ushio.de)

### USHIO U.K., LTD.

United Kingdom | +44 1296 339988  
[sales@ushio.eu](mailto:sales@ushio.eu) | [www.ushio.eu](http://www.ushio.eu)

### USHIO FRANCE S.A.R.L.

France | +33 134 64 94 94  
[sales@ushio.eu](mailto:sales@ushio.eu) | [www.ushio.eu](http://www.ushio.eu)