

MIURA CO., LTD.

Issued October 19, 2026

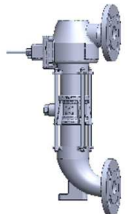
Orders Begin for a Compact Mercury-free UV-LED Water Sterilization Equipment Model Suitable for Small-scale Water Treatment at Flow Rates of up to 2.5 m³/h!

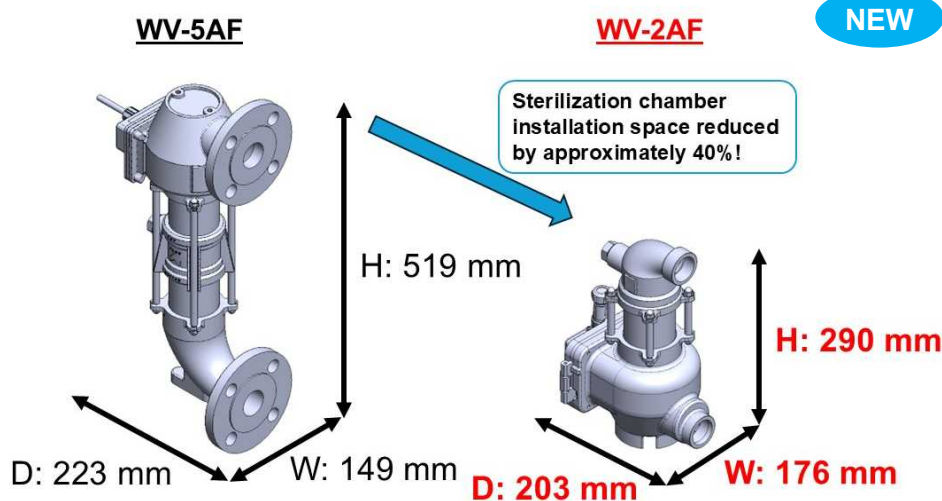
Industrial boiler manufacturer MIURA CO., LTD. (Tokyo Head Office: Minato-ku, Tokyo; President & CEO: Tsuyoshi Yoneda; hereinafter referred to as “MIURA”) has developed a new model of its mercury-free UV-LED water sterilization equipment using UV-LEDs*1 from NICHIA CORPORATION (Head Office: Anan City, Tokushima; President & CEO: Hiroyoshi Ogawa) that offers further space savings and is capable of achieving a treatment flow rate of 2.5 m³/h, and began accepting orders on October 1, 2026.

The new “WV-2AF” model has been designed with a compact size and processing capacity tailored to water sterilization applications with a flow rate of up to 2.5 m³/h. Offering 40% space savings over the previous model (WV-5AF), this model offers a more compact choice for users.

With the addition of the WV-2AF, the WV series now offers four choices of maximum treated water flow rates: 2.5 m³/h, 5 m³/h, 10 m³/h, and 25 m³/h. We provide a comprehensive lineup that allows customers to choose a model to suit their requirements for facility size and treatment flow rate, enabling us to accommodate a variety of water sterilization needs at manufacturing sites in industries ranging from cosmetics, pharmaceuticals, beverages, and chemicals to machinery and electronics. MIURA will continue to contribute to the achievement of a mercury-free society while moving forward with product development efforts aimed at increasing flow rates and expanding applications.

[Specifications and product lineup]

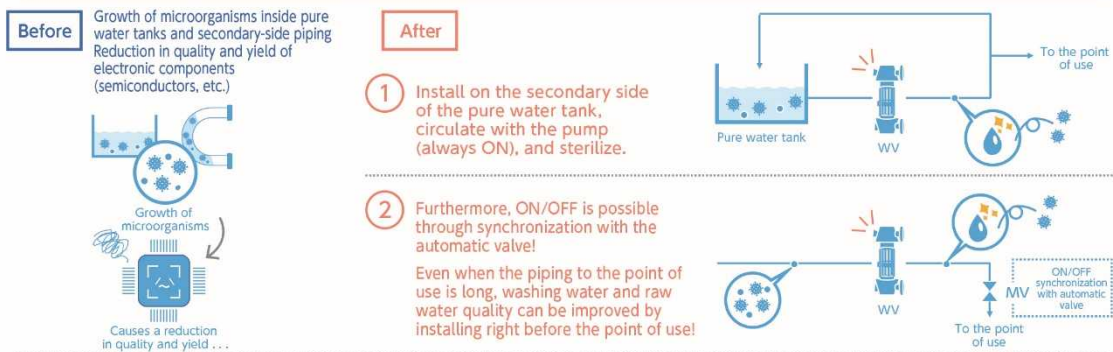
NEW				
Model	WV-2AF	WV-5AF	WV-10AF	WV-25AF
Maximum treated water flow rate	2.5 m ³ /h	5 m ³ /h	10 m ³ /h	25 m ³ /h
Product image (Sterilization chamber)				
External dimensions	176 x 203 x 290 mm	149 x 223 x 519 mm	158 x 223 x 522 mm	206 x 257 x 679 mm
Sterilization performance (<i>Bacillus subtilis</i> spores)	99.9% or more			
UV light source type	UV-LED (mercury-free)			
UV wavelength	280 nm			



Size comparison between WV-5AF and WV-2AF

Electronics and Chemicals

Washing water for electronic components (semiconductors, etc.) and raw water for cosmetics, etc.



Food and Beverages

Washing water/
Raw water



Machinery

Washing water before painting, etc.



Examples of UV-LED water sterilization equipment applications

▼ Product page

<https://www.miuraz.co.jp/product/water/pure/wv.html>

*1: An LED that emits ultraviolet (UV) light. UV is a type of electromagnetic wave with wavelengths ranging from 100 to 400 nm. UV is divided into the three categories of UV-C, UV-B, and UV-A according to wavelength. MIURA's water sterilization equipment utilizes UV-C LEDs with powerful sterilization capabilities.

Reference

■ Issued March 24, 2026

Orders Begin for Mercury-free UV-LED Water Sterilization Equipment Capable of Treating an Industry-leading High Treated Water Flow Rate of 25 m³/h!

<https://www.miuraz.co.jp/news/2026/03/452b2622b4970df79f487bfec0de355e3e9e2a1c.pdf>

■ Issued October 28, 2025

Mercury-free UV-LED Water Sterilization Equipment Achieves an Industry-leading Treated Water Flow Rate of 25 m³/h

<https://www.miuraz.co.jp/news/2025/10/20251028.pdf>

■ Issued July 1, 2025

Advancements in High-power UV-LED Technology Allow Mercury-free UV-LED Water Sterilization Equipment to Achieve an Industry-leading High Treated Water Flow Rate of 10 m³/h

<https://www.miuraz.co.jp/news/newsrelease/2025/1832.php>

■ Issued April 24, 2025

Operation of Mercury-free UV-LED Water Sterilization Equipment Begins
- Sterilization of Raw Water for Cosmetics and Non-prescription Medications at MAX Co., Ltd. -

<https://www.miuraz.co.jp/news/newsrelease/2025/1799.php>

■ Issued April 23, 2024

Combining NICHIA's High-power UV-LEDs with MIURA's Water Treatment Technology

- Successful Development of Mercury-free UV-LED Water Sterilization Equipment with a High Flow Rate -

<https://www.miuraz.co.jp/news/newsrelease/2024/1538.php>

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