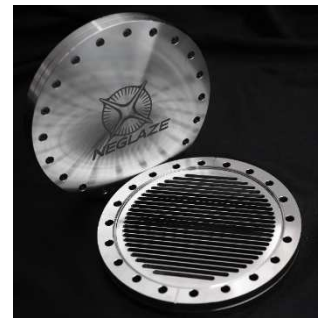


First-ever vacuum pump from Irie Koken!

“NEGLAZE®” Now Released

Tokyo, Japan — Irie Koken Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; hereinafter “IKC”) announced the launch of its first-ever vacuum pump, **the oxygen-free Pd/Ti-deposited ICF203-type non-evaporable getter (NEG) pump, “NEGLAZE®,”** available from **November 1, 2025.**^{*1}

NEGLAZE, a product that received the Innovation Award at the Japan Vacuum Industry Association (JVIA) Awards in May 2023, has been offered to the market as a paid sample since its recognition. Based on positive feedback and strong demand from customers for mass production, we are pleased to announce the official launch of NEGLAZE product sales.



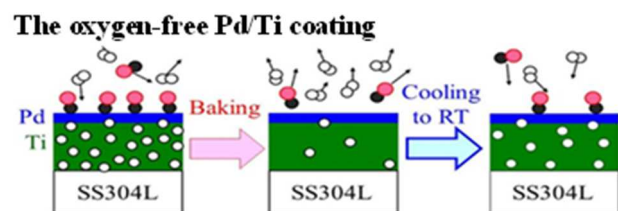
The newly released NEGLAZE is a **gas-sorption-type vacuum pump** capable of achieving an **ultra-high vacuum in the 10^{-8} Pa range** or lower when used in combination with **dry pumps or turbomolecular pumps**.

Because NEGLAZE operates **without mechanical drive components such as motors**, the pump is ***completely silent, vibration-free, particle-free, and power-free** ^{*2}.

A key feature of NEGLAZE® lies in its **patented oxygen-free Pd/Ti coating technology**, which enables **re-activation at a significantly lower temperature** than conventional NEG pumps.

This allows **activation to occur simultaneously with standard chamber baking at around 150 °C**, eliminating the need for additional heating or dedicated power supplies.

As a result, **NEGLAZE offers a cost-effective and environmentally friendly solution** that reduces both **installation and operational costs**, including electricity consumption.



In particular, **the zero-length model has no protrusion inside the chamber** and a **total pump length of “zero.”** This unique design allows **maximum utilization of chamber volume** and contributes to **further miniaturization of vacuum systems**.

NEGLAZE allows users to readily create ultra-high-vacuum environments tailored to their specific applications. It is ideal for use in containers, instruments, and systems requiring extreme vacuum conditions—such as analytical equipment and sample storage vessels.

We are **now commencing mass production and sales of the ICF203-size zero-length type NEGLAZE**.

With this full-scale product launch, the sample sales program will be concluded.

■Main Features

1. High-speed exhaust (Reference value H2: 2,200 L/s)
2. Zero length (Height: 0 mm)
3. Lightweight/Compact/ Can be installed to ICF port
4. Noise-free/Particle-free
5. Maintains pumping performance even after repeated atmospheric pumping, vacuum pumping, and baking
6. No power supply required after baking
7. Oil-free pumping

Compliance Standards	ICF 203
Dimensions	φ203×t22 mm
Weight	2.85kg (Main unit only)
Exhaustible gases	Hydrogen (H ₂) 、Carbon monoxide (CO)
Number of reactivations	Ten (10) times or more

■Website for this product details

https://www.ikc.co.jp/products/vacuum_pump/vacuum_pump_detail.html

■Price

Open price. *Please contact us using Link below.

*1: NEGLAZE and ネグレース are registered trademarks of Irie Koken Co., Ltd.

*2: No dedicated power supply is required for operation; however, heating is necessary during re-activation.

※ This product is manufactured under license from the High Energy Accelerator Research Organization (KEK), holder of Japanese Patent No. 6916537, titled "Non-Evaporable Getter Coated Component, Vessel, Manufacturing Method, and Apparatus."

■Reference

For more information about receiving the Innovation Award from the Japan Vacuum Industry Association, please see the following:

https://www.ikc.co.jp/news/Innovation_Awards.html

■ Company Profile — Irie Koken Co., Ltd.

President: Norihiro Irie, Representative Director and President

Established: May 24, 1966

Capital: 100 million yen
Head Office: 2-2-3 Uchisaiwai-cho, Chiyoda-ku, Tokyo 100-0011, Japan
TEL: +81-3-3507-9611 (Main)
FAX: +81-3-3507-9615 (Main)
Website: <https://www.ikc.co.jp/company.html>
Access (Map): <https://maps.app.goo.gl/iSsyCWrXXgq2rzDE6>
Employees: Approximately two hundred (200) (as of March 31, 2025)

<For inquiries regarding this release>

Irie Koken Co., Ltd. – Corporate Planning Office, Public Relations

Contact: Mr. Shibahara

TEL: +81-3-3507-9617 / FAX: +81-3-3507-9615

Email: koho@ikc.co.jp

<For product inquiries>

Irie Koken Co., Ltd. – Sales Division

Contact: Mr. Nitta

TEL: +81-3-3507-9611 / FAX: +81-3-3507-9615

[Click here for the inquiry](https://www.ikc.co.jp/en/inquiry.html)

<<https://www.ikc.co.jp/en/inquiry.html>>