

New Centrifugal Chiller Model Using New Environment-Friendly Refrigerant Adopted at the Japan National Stadium - Contributing to Measures Against Global Warming -

EBARA REFRIGERATION EQUIPMENT & SYSTEMS CO., LTD.

AGC Inc.

Tokyo, February 26, 2020 – AGC (Headquarters: Tokyo; President & CEO: Takuya Shimamura) together with EBARA REFRIGERATION EQUIPMENT & SYSTEMS (Headquarters: Tokyo; President, Representative Director: Osamu Shono) delivered the “Low GWP high-efficiency centrifugal chiller^{*1} Model RTBA” (hereafter “the chiller”), which uses the new, environment-friendly refrigerant “AMOLEATM 1224yd” (hereafter “the new refrigerant”) produced by AGC, for air conditioning at the Japan National Stadium. In continuation from this installation, we will proceed with further deployment of this model to various facilities in the future to contribute to the reduction of global warming.

EBARA REFRIGERATION EQUIPMENT & SYSTEMS developed this chiller which uses AGC’s new refrigerant, promoting its installation in various types of facilities including commercial and lodging facilities as well as chemical plants beginning from 2018. The model received the Review Committee’s Special Award at the 21st Ozone Layer Protection and Global Warming Prevention Awards, and its reliable performance and past results have been highly evaluated, leading to its adoption and installation in the Japan National Stadium on this occasion. Since the new refrigerant has excellent compatibility with existing equipment, we are also beginning to provide services for partially modifying past models of chillers and introducing the use of the new refrigerant to them. This eliminates its large initial investment for customers, allowing them to employ this environmental technology as a measure for reducing global warming.



Photo provided by: Taisei Corporation

As one grade of the next-generation refrigerant and solvent brand “AMOLEATM” with the concept of “significantly reducing the global warming potential of refrigerants and solvents without affecting the performance they can achieve”, this new refrigerant with a global warming potential which is less than 1/1000 that of past products^{*2} was successfully developed^{*3} by AGC, and its sales were started from 2018. It will be possible to contribute greatly to the reduction of climate change by introducing this product for use with various types of chillers.

EBARA REFRIGERATION EQUIPMENT & SYSTEMS and AGC will continue applying their respective technologies and products, making valuable contributions to our customers’ efforts to suppress global warming in the refrigeration, cooling, and air conditioning fields.



Low GWP high-efficiency centrifugal chiller Model RTBA

MEDIA INQUIRIES

Planning Section, Planning Management Department, Planning Administration Division, EBARA REFRIGERATION EQUIPMENT & SYSTEMS CO., LTD.

(E-mail: fs-ERS_HP_MASTER@ers.ebara.com)

Corporate Communications & Investor Relations Division

AGC Inc.

(Contact: Yuki Kitano; Tel: +81-3-3218-5603; E-mail: info-pr@agc.com)



<Notes>

- *1: Cold and heat source equipment commonly installed in large-scale facilities such as commercial and lodging facilities, and chemical plants.
- *2: Measurement by the National Institute of Advanced Industrial Science and Technology.
- *3: Developed as a project subsidized by the New Energy and Industrial Technology Development Organization.

<Reference>

■ About EBARA REFRIGERATION EQUIPMENT & SYSTEMS

EBARA REFRIGERATION EQUIPMENT & SYSTEMS began as the refrigeration business division of EBARA CORPORATION, and is a pioneering company which has been involved in the manufacture and sale of large-scale heat source equipment over the 90 years since it delivered its first domestically-produced centrifugal chiller in 1930. In 2002, its businesses were divided, with the current EBARA REFRIGERATION EQUIPMENT & SYSTEMS being established to supervise the domestic and overseas refrigeration businesses of the EBARA Group. Its main businesses consist of its chiller business and cooling tower business, and it provides comprehensive solutions in the thermal energy field through related service and support.

<https://www.ers.ebara.com/>

■ About AGC

The AGC Group is a provider of solutions, supplying architectural, automotive, and display glass, as well as chemical products and other high-functionality materials, to customers around the world. Over the course of its 100-year history of technological innovation, it has developed its core technologies to reach a world-class level in fields which include glass, fluorochemicals, and ceramics. The current annual sales volume of the entire Group is roughly 1.5 trillion yen, as it deploys its businesses on a global scale with a total of roughly 54,000 employees in over 30 countries and regions.

<https://www.agc.com/en/index.html>

*“Model RTBA” is a model code of EBARA REFRIGERATION EQUIPMENT & SYSTEMS CO., LTD.

*“AMOLEA” is a registered trademark of AGC Inc.

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