Cryogenic Vaporization and Pressure-Regulating Equipment

Wuxi Megas Equipment Co., Ltd.

Cryogenic vaporization and pressure-regulating equipment, engineered in Wuxi, China.



Cryogenic vaporization and pressure-regulating equipment at an industrial gas site

Company Catalog · English Edition

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COMPANY OVERVIEW

A specialist manufacturer, not a trading company.

Wuxi Megas Equipment Co., Ltd. is a technology-based enterprise focused on the research, development, production, testing and after-sales support of industrial gas equipment, fuel gas equipment and other energy equipment. Our product scope is deliberately focused on six lines: ambient air vaporizers, pressure regulating valve groups, ambient boosters and heaters, electric water-bath vaporizers and reheaters, regulating–metering–odorization skids, and gas-liquid pressurization systems with complete station packages.

The company occupies a 5,000 m² site with a 3,000 m² manufacturing workshop. That space allows us to keep engineering, fabrication, assembly, testing and dispatch under one roof — and to control the schedule when a project is urgent.

We are a manufacturer, not a trading company. The people who answer your technical questions work with the drawings, the welding records and the test reports. That is the accountability behind every unit.

The company was built by specialists with two decades of experience in cryogenic gas equipment and vaporization/pressure regulation, supported by manufacturing staff with 18 years of hands-on work in the same field.



Installed vaporizer equipment at the 5,000/10,000 Nm³/h project site

AT A GLANCE

Key facts

20 Years of specialist experience	**3,000 m²** Manufacturing workshop
6 Product lines	**5** Flagship projects

Company facts

5,000 m² · Site area
3,000 m² · Manufacturing workshop
25 · Employees
60% · Technical staff
20 years · Specialist experience
18 months · Warranty from acceptance

Experience you can inspect.

Cryogenic equipment is unforgiving. A vaporizer that ices unevenly, a valve group that drifts, a weld that was not fully penetrated — these problems tend to appear months after commissioning, when the supplier is far away.

Seven quality gates between your specification and your site.

Every unit passes through the same controlled sequence. No stage is skipped; no unit moves forward without an inspection record.

01 · Design control
02 · Process control
03 · Raw material control
04 · Production control
05 · Welding quality control
06 · Pressure and tightness testing
07 · Final inspection and warehousing

PRODUCTS

Six product lines for vaporization, pressure control and gas station packaging.

Each line is engineered to the project duty and manufactured in our Wuxi workshop. Start from the application, and we will configure the equipment around your flow, pressure, media and site conditions.

01 · Ambient Air Vaporizers

Ambient air vaporizers use the heat in the surrounding air to vaporize cryogenic liquids. Because there is no burner and the heat source is ambient air, they are a common choice for base-load LNG and industrial gas supply where space and climate allow.

High-efficiency aluminum alloy finned tubes, with stainless steel heat-exchange tubes where the duty requires • Low pressure loss and stable operating performance

02 · Pressure Regulating Valve Groups

Pressure regulating valve groups reduce incoming gas pressure to a stable outlet pressure and protect downstream equipment. They are assembled and tested as a group, so the site team connects inlet, outlet and relief lines rather than individual valves.

High- and low-pressure configurations • Factory assembly and testing

03 · Ambient Boosters & Heaters

Ambient boosters raise gas pressure, and ambient heaters raise gas temperature. Both use ambient air as the heat source and finned heat-exchange surfaces, so no fired heater is required. They suit sites where a small pressure or temperature lift is needed without adding a burner.

No fuel consumption • Compact footprint

04 · Electric Water-Bath Vaporizers & Reheaters

Electric water-bath vaporizers use a temperature-controlled water bath to vaporize cryogenic liquids evenly. Reheaters raise the gas to the supply temperature your process requires. Because the heat comes from electricity, there is no on-site fuel storage or flue.

Even heating through a water bath • Stable outlet temperature

05 · Regulating, Metering & Odorization Skids

These skids bring pressure regulation, metering and odorization together on one factory-built frame. The result is a smaller site footprint, fewer field joints and a shorter commissioning window.

Integrated mechanical design • Factory assembly and testing

06 · Gas-Liquid Pressurization Systems & Station Packages

We supply gas-liquid pressurization systems and complete station equipment packages that combine storage interface, vaporization, pressure regulation, metering and delivery. One supplier, one scope, one set of documentation.

Single-supplier coordination across the station • Complete as-built documentation

SELECTED PROJECTS

Equipment in service, not just on a drawing.

Five flagship projects show the range of what we build: large-capacity vaporizer banks, gas atomization supply, a park-level demonstration station, valve group series and packaged skids.



Ambient air vaporizer installation with 5,000 and 10,000 Nm³/h capacity at an industrial gas site



Gas atomization powder production facility served by MEGAS gas supply equipment



Centralized gas supply demonstration station at a textile printing & dyeing industrial park in East China, 10,000 Nm³/h



MEGAS industrial gas regulating and metering skid

Case 01 · 5,000 / 10,000 Nm³/h vaporizer installation
MEGAS supplied ambient air vaporizer equipment in both capacity classes and supported the customer through delivery and installation. Nominal capacities of 5,000 Nm³/h and 10,000 Nm³/h; ambient air heat source; custom-engineered to the site duty.

Case 02 · Gas atomization powder production
MEGAS supplied gas vaporization and pressure-regulating equipment for the gas supply, configured to the line's requirements.

Case 03 · Textile park centralized supply — 10,000 Nm³/h
MEGAS supplied the terminal centralized gas supply demonstration station for the park. 10,000 Nm³/h; terminal centralized supply; demonstration station for a textile printing & dyeing park in East China.

Case 04 · Industrial gas pressure regulating valve group series
MEGAS developed a new series of industrial gas pressure regulating valve groups, assembled and tested in-house.

Case 05 · Industrial gas skid series
MEGAS developed and built the skid series, integrating the process equipment on a common frame and testing it before dispatch.

QUALITY & CERTIFICATIONS

Certified, documented and published in full.

MEGAS manufactures pressure piping component assemblies within China's special equipment licensing regime and operates an ISO-certified quality management system. The latest license documentation is available to business partners on request.

Business License

The company's legal registration, showing the registered entity, address and business scope. Issued by the local market supervision authority in China.

Special Equipment Manufacturing License

Issued under China's special equipment safety supervision system, covering pressure piping component assemblies. The latest license documentation is available to business partners on request.

ISO Quality Management System Certificate

Confirms that our quality management system has been audited and certified to the ISO quality management system standard.

Honor Certificate

An honor certificate awarded to Wuxi Megas.

Enterprise standards written for this equipment.

Alongside national and industry codes, MEGAS maintains registered enterprise standards for its core products. They set out design, fabrication, inspection and acceptance requirements specific to our equipment.

- Q/320211 MJSQ001-2018 — Gas Pressure Regulating Unit
- Q/320211 MJSQ002-2018 — Temperature and Pressure Reduction Unit

Standards applied in design, fabrication and inspection.

The following standards are referenced in our technical documents. The applicable edition and scope are confirmed for each project.

- Q/320211 MJSQ001-2018 — Gas Pressure Regulating Unit (enterprise standard)
- Q/320211 MJSQ002-2018 — Temperature and Pressure Reduction Unit (enterprise standard)
- JB 4730-1994 — Non-destructive Testing of Pressure Vessels
- JB/T 4709-2000 — Welding Specification for Steel Pressure Vessels
- GB 150-89 — Steel Pressure Vessels
- TSG D2001-2006 — Pressure Piping Component Manufacturing Licensing Rules
- TSG D7006-2020 — Supervision Inspection Rules for Pressure Piping
- ASME Boiler and Pressure Vessel Code, Section VIII (design reference)

Standards are listed as technical references. Project documentation states the specific edition and applicability for each unit.

Service commitments

Service commitments: 8-hour response, 12-hour solution and 18-month warranty. Lifetime maintenance and spare parts at cost after the warranty.

SERVICE & SUPPORT

When a unit stops, production stops. Our service promise is built around speed.

Eight-hour response. Twelve-hour solution. An 18-month warranty. And support that continues for the life of the equipment.

8 h	12 h	18 months	2 sets
Response to your service request	Technical solution issued	Warranty from acceptance	As-built documentation per unit

Our commitments

- Detailed drawings within seven days of contract
- Free guidance for pressure testing, purging and pre-cooling
- 18-month warranty from acceptance
- Lifetime maintenance and spare parts at cost after the warranty
- Free installation, lifting and positioning guidance on site
- Free operation, safety and maintenance training
- 8-hour response and a 12-hour technical solution

Support at every stage

Design support before the first weld.

After contract, we issue detailed drawings within seven days — general arrangement, nozzle orientation, foundation conditions and the supporting calculations — so your design institute or site team can complete the installation design.

On site when the equipment arrives.

Our technicians guide lifting, positioning and installation at no charge.

Eighteen months of covered support.

The warranty runs for 18 months from acceptance of the equipment.

Support for the life of the equipment.

After the warranty period, we continue to maintain the equipment for its service life.

How to raise a service request.

Email info@globindux.com with the equipment model or serial number, the site location, a description of the issue and photographs if possible. We acknowledge service requests within 8 hours and issue a technical solution within 12 hours.

CONTACT

Tell us what you need to vaporize, reduce or measure.

Send your duty and site conditions. We will reply within one business day with an initial technical response — or the specific questions we need to prepare one.

info@globindux.com

Email: info@globindux.com
Address: Hudai Industrial Park, Binhu District, Wuxi, Jiangsu, China
Time zone: GMT+8 · China Standard Time

We respond within one business day (GMT+8).

Inquiries in English or Chinese are welcome. For service requests, please include the equipment serial number and site photographs. Inquiries received outside business hours are answered the next business day.

Start a project

Tell us the duty. We'll engineer the answer. Send flow rate, pressure, media and site conditions. Our team will respond within one business day with an initial technical response or the questions we need to prepare one.

The catalog is a general introduction. For a project-specific proposal, send the duty through our contact form.

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