



# MAKEEN

ENERGY

## YOUR PARTNER IN NH<sub>3</sub> EQUIPMENT



**MAKEEN Gas Equipment** is one of the world's leading suppliers of components for NH<sub>3</sub> (anhydrous ammonia) installations that can be used for agriculture and industry, offering equipment from top manufacturers, expertly selected with success and safety in mind.

THE SAFE  
CHOICE





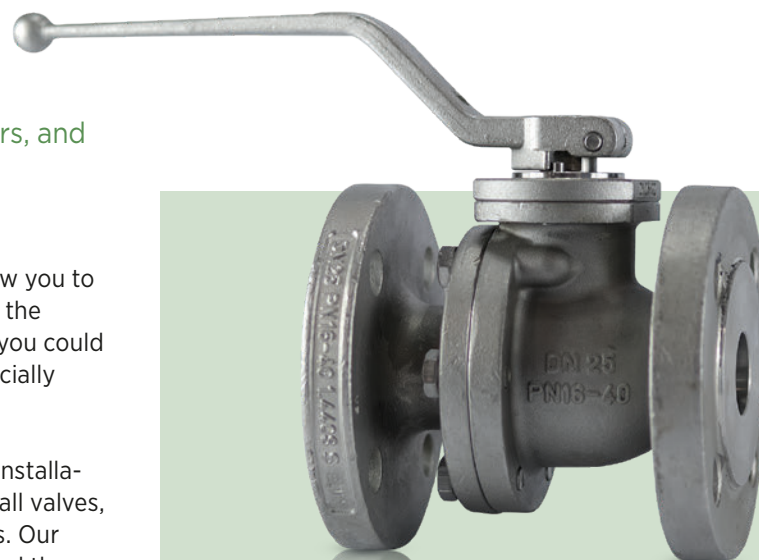
## Valves and equipment

NH3 systems require a range of specialised equipment to ensure the safe handling and control of levels, liquid, and gas flow.

We carry all the necessary equipment and accessories for NH3 from hoses and valves to pumps, compressors, filters, and everything in between.

Are you missing a certain valve, which will allow you to optimally control your system? Would you like the option to monitor flow? Whatever equipment you could need, it can be found in our assortment of specially designed NH3 equipment.

We offer a wide range of components for the installation of NH3 systems, including check valves, ball valves, safety valves, shut-off valves, and many others. Our technical experts are always at hand to help find the right equipment for your installation.



Ball valve



Ball valve



Gas strainer



ACME low emission hose end valve



Duo port



Vent valve



Internal pressure relief valve



Wafer internal valve



Globe valve



Solenoid valve



Flow indicator



## Everything you need in hoses and couplings

Specially designed hoses are vital when transporting NH3 from A to B. We provide a variety of hoses, specifically designed for NH3 transfer, along with the necessary related equipment.

For NH3 transfers, hoses need superior durability and flexible qualities to sustain the high-pressurised product and prevent ruptures. MAKEEN Gas Equipment provides hoses in composite, rubber, and flexible stainless steel – in all sizes, providing you with the freedom, safety, and effectiveness you need when handling NH3.

We also provide a variety of couplings and fittings for your hoses. We offer emission-free hose couplings, dry disconnect couplings, pull-away couplings, breakaway couplings, and others. Contact us so we can help you find what you need.



Breakaway coupling



Flexible SS hoses



ACME coupling



Dry gas coupling



NH3 liquid hose



Hose reel

## Specialised equipment

We specialise in providing the right equipment for even the largest operations. With extensive experience in high-capacity solutions, we offer equipment specifically designed for industrial-scale NH3 operations.

When dealing with NH3 on an industrial scale, you need equipment that is up to the task. With us we can help you find just what you need from our assortment of specially designed high-capacity equipment, including compressors, pumps, and vaporisation systems.

Our technical experts can help you with whatever you may need, from calculations to advice, ensuring that you get the best solution at the best price.



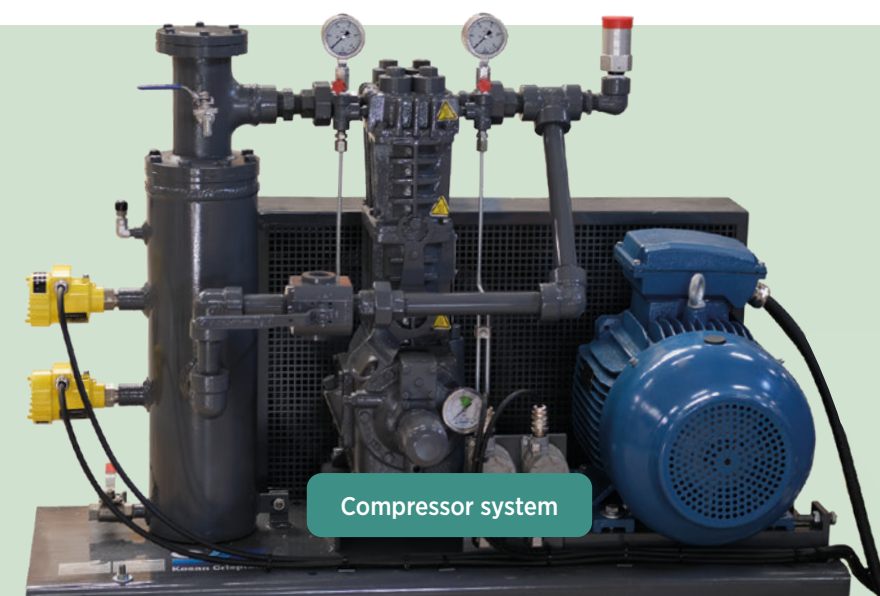
Massflow meter



Rotary vane pump



Differential pressure valve



Compressor system



NH3 vaporizer

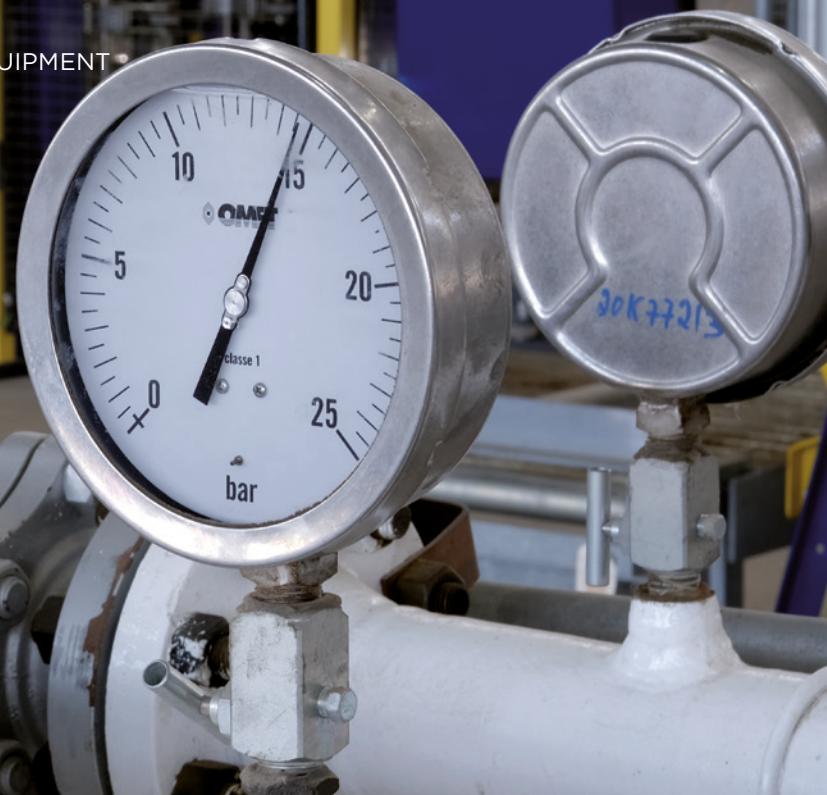


# Instrumentation and metering

We offer all the essential components to monitor the key parameters in your NH3 system, from tank gauges to gas detectors.

Effective control and monitoring are crucial for ensuring safety, efficiency, and practicality when working with NH3. In our product range, you will find everything you need to track conditions in your tanks and NH3 applications – whether it is pressure, temperature, or product level.

Our assortment of meters, pressure gauge taps, pressure and temperature transmitters, level gauges, gas detectors, float level gauges, and Rotogages are sourced from leading manufacturers known for producing high-quality products that are designed and certified to meet the highest safety standards.



Temperature transmitter



Tank thermometer



Level switch



Rotogage level gauge



Pressure transmitter



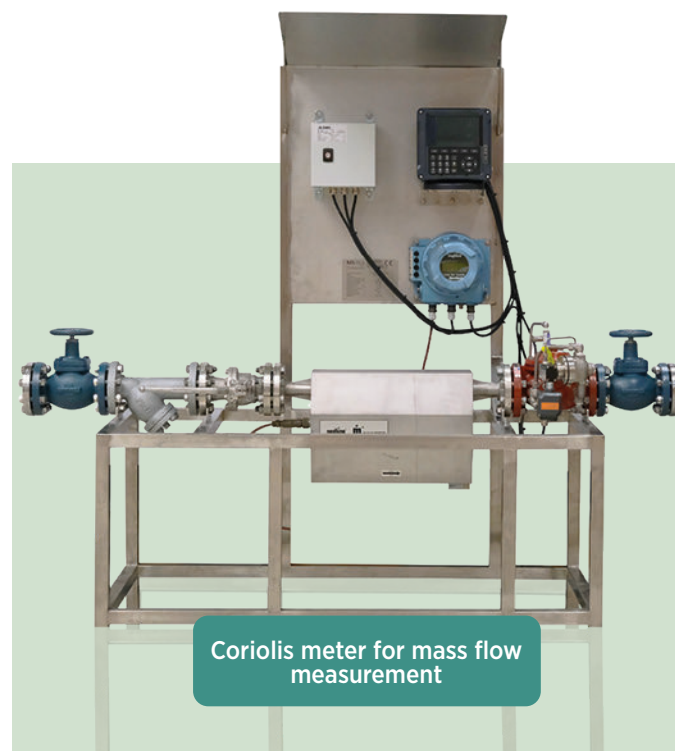
Check valve with flow indicator



Float level gauge



Pressure gauge



Coriolis meter for mass flow measurement



NH3 - Gas detector



Pressure Switch



Gas control panel

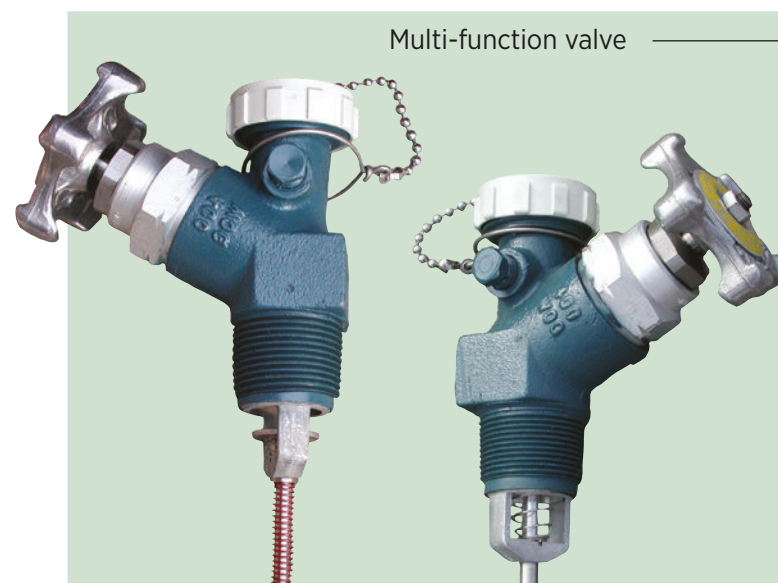




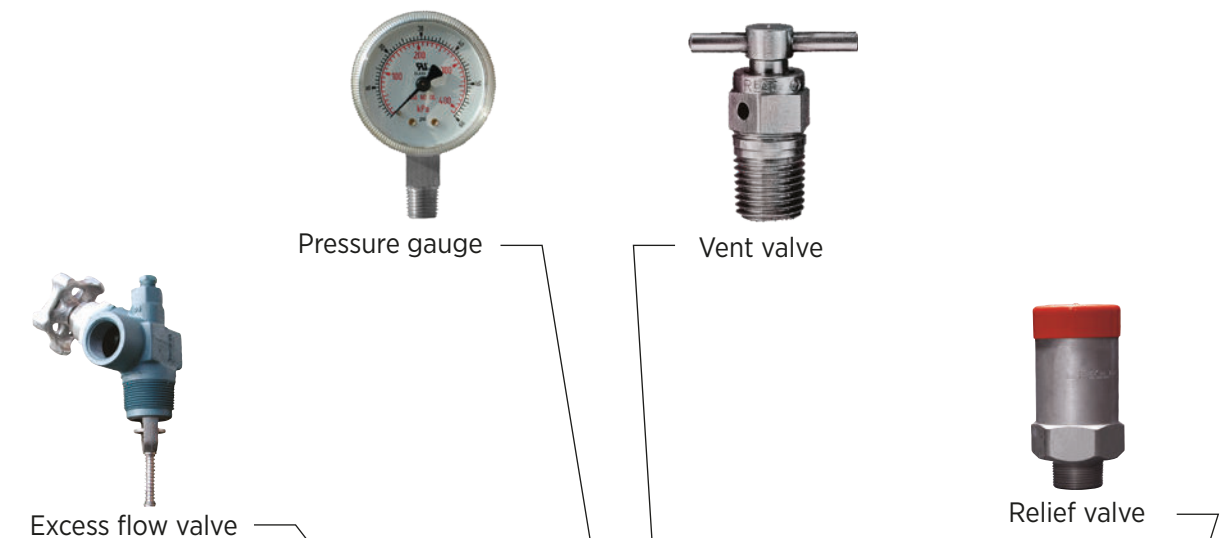
## Complete tank or tank equipment solutions

With our technical knowledge we have developed tank solutions for storing NH<sub>3</sub>, where every single component is specially selected based on your requirements.

Our technical team has years of experiences in assembling valve packages for complex pipe and tank systems, including those for NH<sub>3</sub> storage. Our skilled experts can assist with designing systems tailored to your specific needs. Over the years, we have supported many customers in the industrial and agricultural sectors with tank equipment, ensuring safe, efficient, and cost-effective handling and storage of NH<sub>3</sub>.



Multi-function valve



Pressure gauge

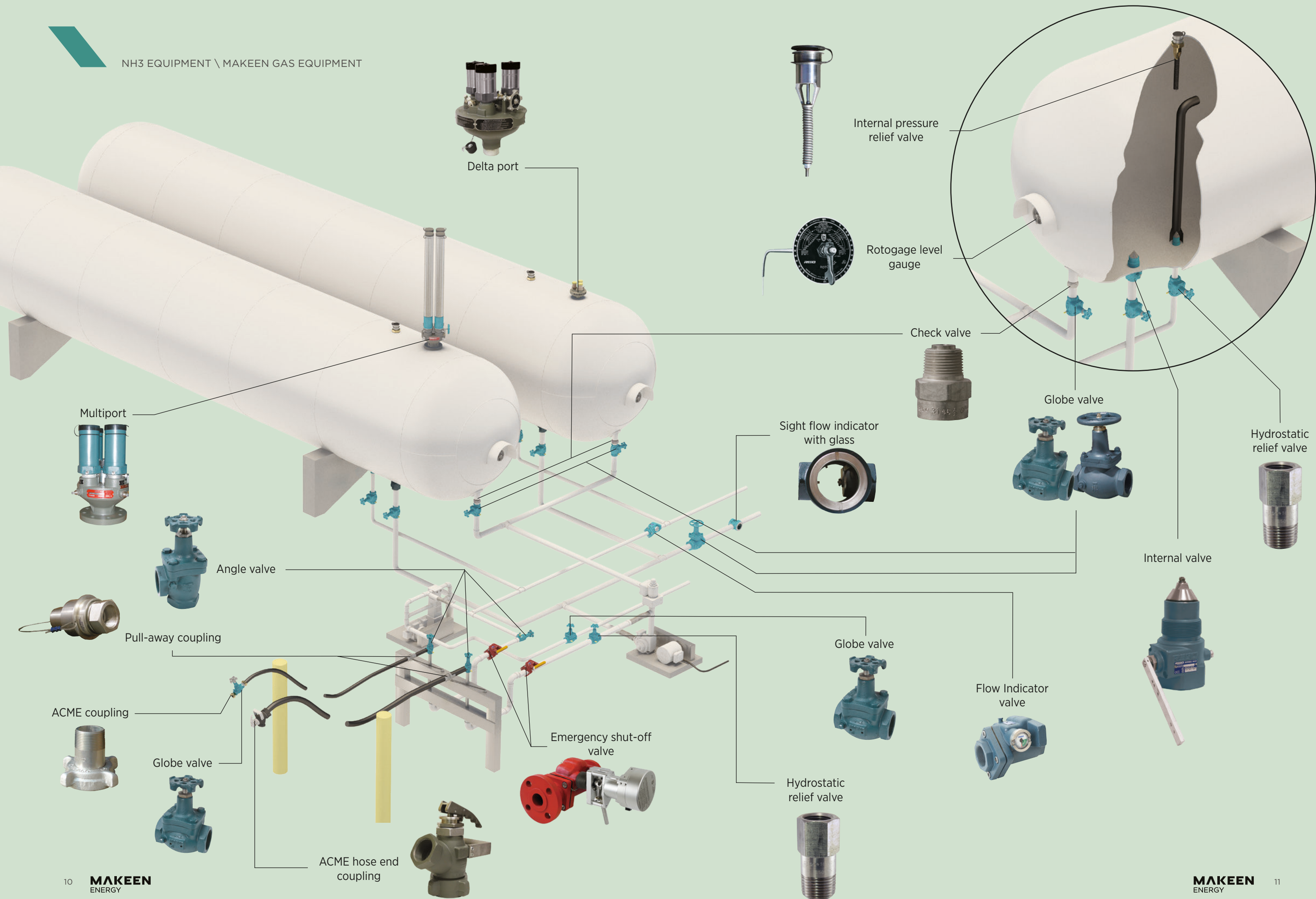
Vent valve

Excess flow valve

Relief valve









# MAKEEN ENERGY

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## **MAKEEN Gas Equipment**

We offer a wide range of high-quality gas equipment and components along with expert guidance from the beginning to the end of your project. In that way, our one-stop shop philosophy – and many warehouses around the world – provide you with much more than just a product. MAKEEN Gas Equipment is a company under MAKEEN Energy.

## **MAKEEN Energy**

We are a global, market-leading corporation that delivers technological solutions, equipment, and customer support to the energy industry. We employ approx. 3,900 people across 6 continents and operate in over 140 countries. With our global reach, local presence, and decades of experience, we can deliver responsible solutions that make a difference to people and planet.