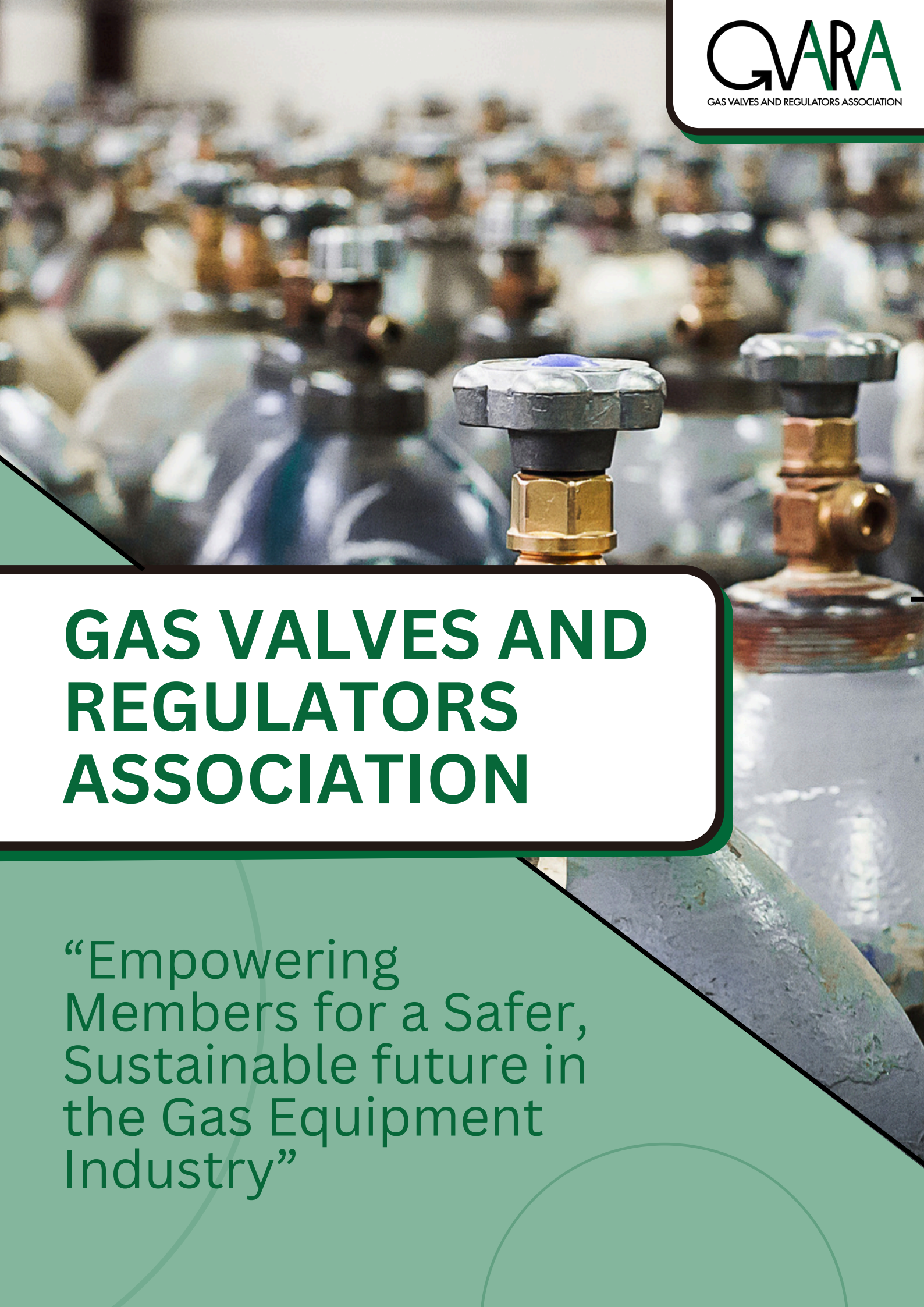




GAS VALVES AND REGULATORS ASSOCIATION

“Empowering
Members for a Safer,
Sustainable future in
the Gas Equipment
Industry”

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About GVARA

"In the Spring of 2024, GVARA was formed to represent the interests of Gas Valve and Regulator Manufacturers globally, serving the Industrial, Medical and Speciality Gas Industry. Incorporated as GVARA Ltd in the UK.

Our Aims

To establish good rapport with regulatory authorities, Government Departments and Agencies, as well as other trade bodies, in order to be in a position to anticipate, interpret and influence potential regulatory and convention changes which may be ‘coming down the track’ towards our industry sector.

The Association’s remit has been established on the basis of 5 Pillars which will frame our activities and growth.

Pillar 1 - Guidance in evolving standards/specifications

Pillar 2 - Platform/Forum for sharing Association position

Pillar 3 - Supply Chain security and resiliency

Pillar 4 - Presence in the standards committees

Pillar 5 - Lobbying

“Every Gas cylinder package needs a good quality valve and regulator - critical to the safe operation of cylinders and quality of gases”



The Gas Valve and Regulators Industry and its evolution

The Gas Valve and regulator Industry has evolved alongside the Industrial, Medical and Speciality gases Industry since the 1750s when Industrial gases were first discovered. The 18th-century scientists like Priestley, Scheele, and Cavendish isolated and characterised several key gases, including oxygen, nitrogen, and hydrogen.

The invention of the gas cylinder by Howard Lane and Richard Taunton in the 19th Century, along with the seamless steel tube production method by Max and Reinhard Mannesmann, enabled the safe transportation of gases at high pressures, paving the way for industrial gas production.

It was towards the end of the 19th century that gas valves and separate regulators were developed for use on Industrial seamless steel tube gas cylinders to enable safe control and consistent gas dispense.

Nowadays, Industrial and Speciality gases packages used with specific valve and regulator designs support Industries such as steelmaking, welding, chemical processing and electronics sectors. Whilst Medical gases such as oxygen and nitrous oxide are used to support life in critical situations or treatment of Chronic Obstructive Pulmonary Disease (COPD) and other lung related diseases.

In the late 20th Century Gas Valve and regulator manufacturers developed Integrated Valves including a regulator, so called VIPRs in the Industry, for use on Industrial, Medical and Speciality gas Cylinders to further enhance the safety and reliability of gas dispense critical for use in everyday life.

Gas Valve and Regulator Guide

“This is your guide to the Gas Valves and Regulators Industry”

Gas valves and regulators have been designed specifically for use for different gases used in the Industrial, Medical and Speciality markets.

They can be used on Cylinders , Manifold systems, Pipelines and Road Tankers as shown in the guide below:

Cylinders



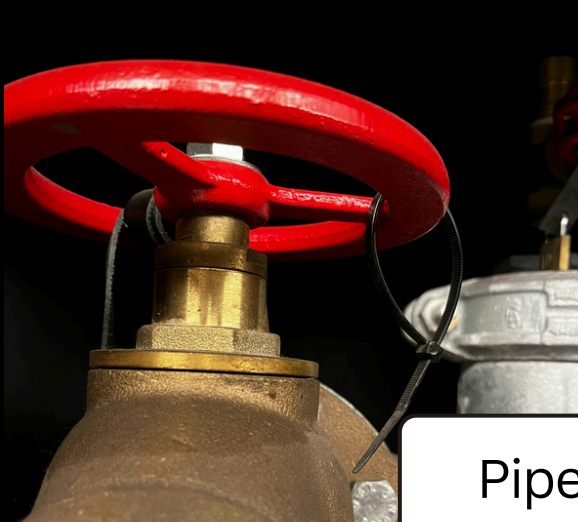
Manifold Systems



Road Tankers



Pipelines



Gas Valve and Regulator Guide for Gases

“There are specific Valves and regulators for Industrial, Medical and Speciality gases”

Gas Valves and regulators are designed for different types of gas cylinders used in the Industrial, Medical and Speciality markets.

The typical Gas Valves and Cylinder packages are shown in this guide:

Industrial Cylinder Package



Medical Cylinder Package



Specialty Cylinder Package



What our members say...

"GCE recognises the critical importance of uniting under a shared vision to address the complex and growing challenges facing the cylinder valve and regulator industry. Membership in GVARA supports our commitment to ensuring the safety, sustainability, and future resilience of our industry."

Andy Tassell - Director, Valves at GCE

"GVARA serves as a unified voice of its members on key issues and challenges faced by the industry as we navigate changes in the regulatory landscape."

Rohit Behani - CEO and Partner, Tekno Valves

"Müller Gas Equipment A/S is proud to announce its membership of GVARA. This partnership underscores our commitment to teamwork, which will not only strengthen our organization but also benefit all members involved."

Bo Müller Christensen - Müller Gas Equipment A/S

"At Cavagna Group we enthusiastically embraced the opportunity to participate in the establishment of GVARA. By uniting our voices, efforts, and expertise, we aim to offer the greatest possible contribution to our sector."

Denis Guardini, Manager for the Compressed Gases Valves and Equipment Line of Business - Cavagna Group

Why become a GVARA member?

Membership with GVARA brings a range of benefits, including:

- ✓ Regulatory Foresight - Stay ahead of changing regulations as GVARA equips members with the latest insights, allowing you to anticipate, interpret, and influence regulatory developments that affect your business.
- ✓ Actively participate in shaping National, European, and International (ISO) standards to ensure they reflect industry best practices.
- ✓ Peer Collaboration - Engage with fellow professionals who face similar safety, technical, and regulatory challenges fostering shared learning and mutual support.

**"Contact GVARA.
We would love to hear
from you, so why not
get in touch?"**

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