

PRODUCT CATALOGUE

INFIHYDRO SOLUTIONS LLP

ISO 9001:2015 CERTIFIED COMPANY

2025



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ABOUT US

InfiHydro Solutions LLP is committed to provide comprehensive hydrogen solutions by partnering with global OEMs. We focus on development, sales, distribution, installation, and maintenance to become a key player in India's emerging hydrogen economy.

OUR KEY PRODUCTS

Hydrogen
Sensors

Hydrogen
Electrolysers

Hydrogen
Flow
Meters

Gas
Mixers

PRINCIPALS



LT GASETECHNIK

beyond standards

LT Gasetechnik GmbH, based in Germany, is an experienced manufacturer specializing in high-performance gas technology systems. The company has been developing innovative solutions for gas installations, including gas mixers, fittings, and control systems tailored for various applications involving flammable, corrosive, and toxic gases.

As the exclusive distributor of LT Gasetechnik's products in India, we are excited to offer their advanced gas technology solutions to meet the growing demands of the Indian market.

[Read More](#)

PRINCIPALS



HYDROTECHNIK UK
TEST ENGINEERING LTD

Hydrotechnik UK Test Engineering Ltd is a leading provider of high with over 30 years of experience, offering a comprehensive range of products, including pressure sensors, temperature sensors, and flow meters designed specifically for hydrogen applications.

As the exclusive distributor of Hydrotechnik UK's hydrogen range in India, we are proud to bring these innovative solutions to the Indian market, supporting the growing demand for reliable hydrogen technology in various industries

[Read More](#)

PRINCIPALS



LightBridge Co Ltd, based out of South Korea is a leading company in hydrogen energy and atmospheric pressure plasma technology, dedicated to advancing sustainable energy solutions. LightBridge specializes in water electrolysis stacks and systems (Alkaline and PEM) that efficiently produce Green Hydrogen.

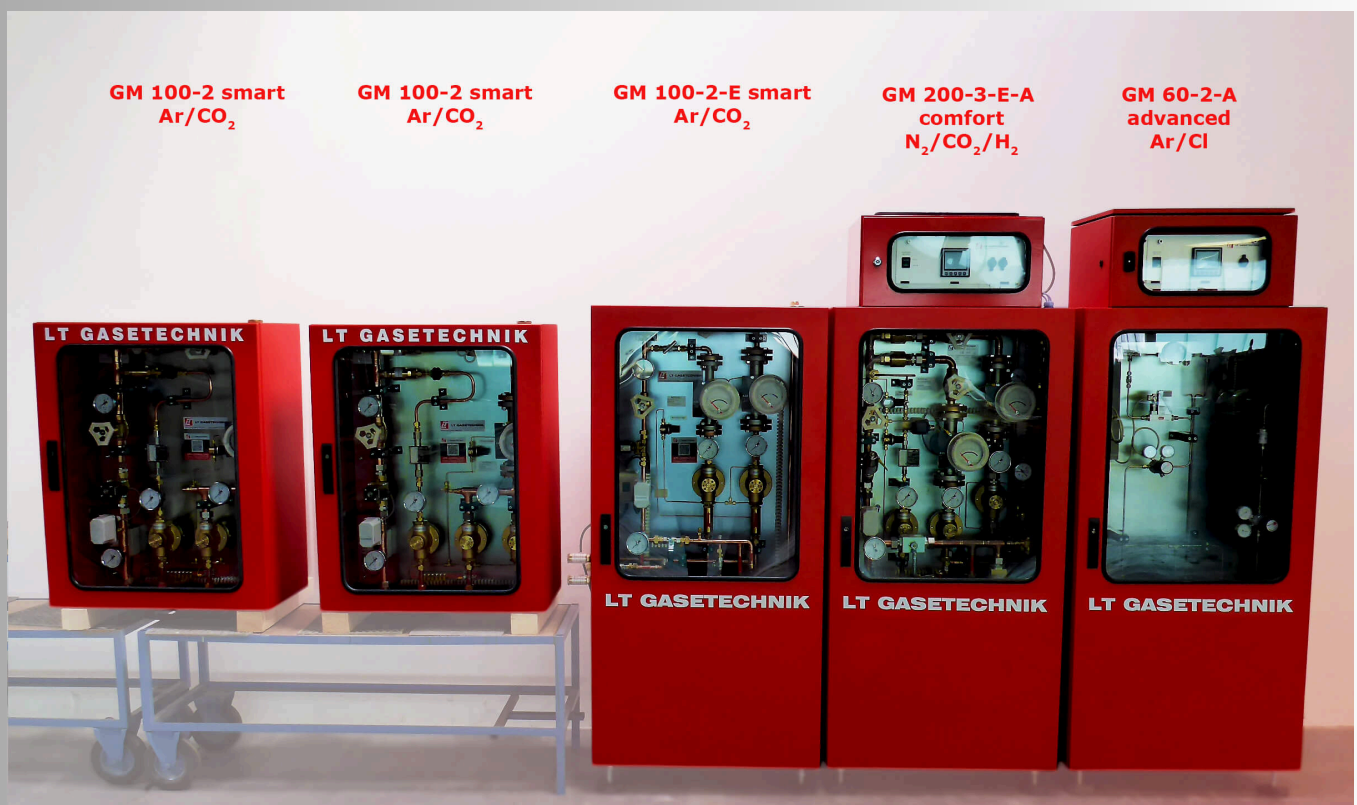
As the authorized distributor for LightBridge in India, we are proud to bring these advanced technologies to the Indian market, supporting industries in their transition towards cleaner energy solutions.

[Read More](#)

GAS MIXERS

Delivering Accuracy and Reliability with Standardized Serial Gas Mixer.

- Suitable for Flammable, Non-Flammable, Corrosive and Toxic gases
- No. of Inlet Gases - 2 or 3
- Volume Range - 15 Nm³/h - 1000 Nm³/h
- Inlet Pressure - 12 - 25 Bar
- Outlet Pressure - 2 to 9 Bar
- Repeatability - $\pm 0.5\%$
- Advance Gas Mixers Available with Industry 4.0 Compliant
- Make: LT Gasetechnik, Germany



GAS PRESSURE REGULATORS

Advanced Dome Gas Pressure Regulators, across Diverse Applications

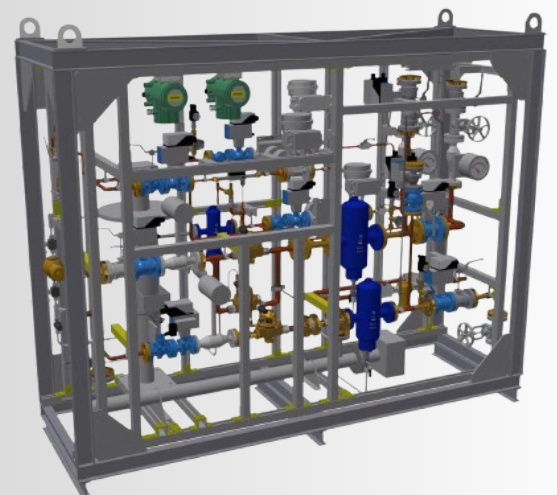
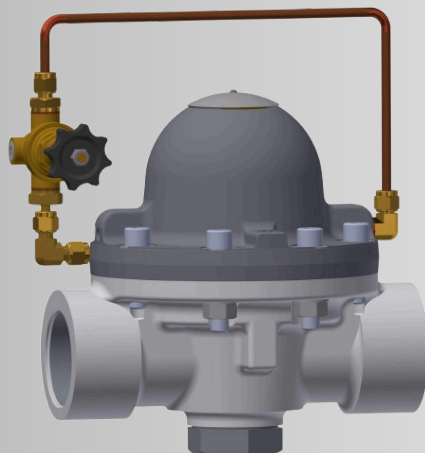
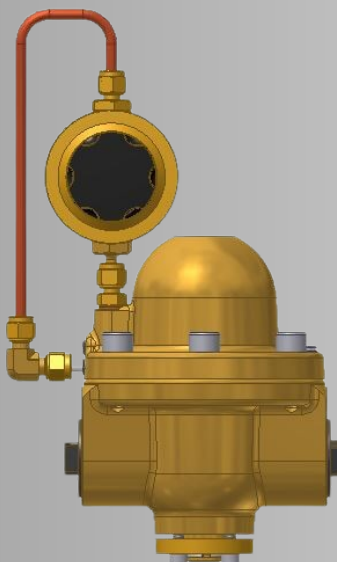
- For almost all Technical Gases, Air, and Liquids.
- Inlet Pressure Range - 0.5 - 100 Bar
- Outlet Pressure Range - 0.1 - 70 Bar
- Volume Range - 10 - 2500 m³/h
- Available in Brass and Stainless Steel
- Certificates - DIN EN 1127-1 and DIN EN ISO 80079-36
- IoT-enabled for remote monitoring and control
- Make - LT Gasetechnik, Germany



GAS PRESSURE CONTROL UNITS/SYSTEMS

The Pressure Regulators are Available in Various Configurations as Pressure Control Units/Systems, for better control and efficiency.

- Equipped with Pressure Gauge and Pressure Controller
- High Precision
- High Stability of the Output Pressure
- High Inlet Pressure Up to 420 Bar
- Designed and Manufactured According to the Specific Gas Type and Pressure
- Individually Priced, Manufactured and Documented.
- Make: LT Gasetechnik, Germany



HYDROGEN PRESSURE SENSORS

Advanced hydrogen pressure sensors for critical applications.

- Pressure Range - Up to 1000 Bar
- Special One-Piece Design
- ATEX and EC79 Approval Option
- Also available for Cryogenic Liquid Hydrogen (and other liquid gases)
- Make - Hydrotechnik UK Test Engineering Ltd



HYDROGEN TEMPERATURE SENSORS

Accurate Temperature Monitoring for Safe and Efficient Hydrogen Applications

- Pressure Range - Up to 1000 bar
- Temperature Range - -50°C to 400°C
- ATEX Approval Option
- SS316L Wetted Parts
- External Probe for Accurate Temperature Measurement in Fluid Stream
- Make - Hydrotechnik UK Test Engineering Ltd



HYDROGEN FLOW METERS

The state-of-the-art Flow Meters are meant for Accurate and Reliable Flow Measurement for India's Growing Hydrogen Economy.

- Flow rates from: 0.008 up to 541g/s
- Up to 1,000 Bar working pressure
- Low-pressure drop
- Built-in displays indicating the flow rate, pressure or temperature
- Also suitable for other gases
- Make: Hydrotechnik UK Test Engineering Ltd



HYDROGEN ELECTROLYSER STACKS

Offering Robust Alkaline and PEM Electrolyser Stacks, Designed to Deliver High-Purity Clean Hydrogen.

- Hydrogen Production Range :
 - (a). For Alkaline: 0.0036 Nm³/hr to 1.98 Nm³/hr
 - (b). For PEM: 0.018 Nm³/hr - 22.8 Nm³/hr
- Low Operating Cost
- Operating Temperature Range - 15~85°C (Alkaline) and 50 ~ 80°C (PEM)
- A Long Lifetime of More than 100,000 Hours
- High-Efficiency Membrane Reduces the Production Cost
- Make - LightBridge Co Ltd, South Korea



HYDROGEN ELECTROLYSER SYSTEMS

The Innovative Electrolyser Systems, Designed for Efficiency and Scalability:

- Modularised, Plug and Play Electrolyser System
- Hydrogen Production Range : 0.018 Nm³/hr - 20 Nm³/hr
- Hydrogen Purity - 99.999% (with purifier)
- Output Pressure - 1 to 7 Bar
- Make: LightBridge Co Ltd, South Korea



OTHER COMPONENTS



FLOW SWITCH



**PEM
ELECTROLYSER
MEA**



**FLAME
ARRESTOR**



**CIRCULATION
PUMP**

OTHER COMPONENTS



GAS ANALYSER



GAS FILTER



POWER SUPPLY

INDUSTRIES

CEMENT INDUSTRY

ENERGY GENERATION

FERTILIZER INDUSTRY

GLASS INDUSTRY

**HYDROGEN ELECTROLYSER
MANUFACTURER**

HYDROGEN PRODUCER

**MECHANICAL AND PLANT
ENGINEERING**

METAL INDUSTRY

OIL AND GAS INDUSTRY

STEEL INDUSTRY

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