



**Integrated Gas
Technologies**



Unveiling the Future of LPG Regulation

We are thrilled to introduce you to the cutting-edge iControlGas® Smart Regulator, a game-changer in the LPG industry. This revolutionary product redefines gas regulation, offering unprecedented efficiency and safety.

iControlGas® Features & Benefits:

- **How iControlGas® Works**
- Dynamic Regulation for Peak Performance:
 - Compensate for falling outlet pressure from regulator at:
 - Low gas levels at high flows.
 - Low air pressure at high altitudes.
 - Pressure drops in pipes, bends, and valves.
 - Maintains a steady 30 mbar inlet pressure for optimal combustion, reducing pollution, and enhancing the economy by lowering gas consumption and CO2 emissions by over 10% .
- Features an actuator for complete gas flow control.
- Functions as a standard regulator during power outages

Advanced Functionalities

- iControlGas® offers a plethora of features:

Display and Monitoring

- **Real-time Information**
 - Battery status display and intelligent management.
 - Accurate gas cylinder content estimation ($\pm 1\%$ accuracy) to prevent premature replacements.
 - Cooking time estimation based on user profiles.
 - Real-time pressure monitoring at regulator outlet and gas appliance inlet.

Safety and Control

- **Safety and Precision Control**
 - Automatic warning for pressure drops and shut-off in case of abnormal fluctuations (OPSO/UPSO).
 - Gas temperature monitoring and cooking timer.
 - Gas leak detection with automatic shut-off.
 - GSM version for remote control.

Convenience and Cost Control

- **Enhanced User Experience**
 - Allows outdoor placement of gas cylinders without pressure drop issues.
 - Equipped with an inbuilt flow meter for real-time gas consumption measurements.
 - Offers a pay-as-you-go system for leased gas.

Compliance and Connectivity

- **Meeting Industry Standards**
 - Facilitates energy-efficient heater designs in line with Regulation (EU) 2017/1369.
 - Complies with industry standards, including EN16129 and UL144.
 - Awaiting ATEX (EU) and Hazloc (USA) certification.
 - Possible NG version (conversion) with applicable terms.
 - Available in WIFI and GSM versions.

Longevity and Sustainability

- **Extended Product Life**
 - Self-testing, self-calibration, and early repair notifications for an extended product life.
 - User-friendly repair and assembly, no additional calibration required.
 - Easily dismantled for efficient recycling, complying with environmental regulations.

Performance Optimization

- **Optimizing Appliance Efficiency**
 - Ensures precise inlet pressure, improving appliance efficiency by up to 20%.
 - Compensation for altitude pressure drops and variations in gas cylinder levels.
 - Compensates for pressure drops in pipes, bends, and valve hose lengths.
 - Compensates for pressure drops due to low gas levels-low inlet pressure to regulator.

Control SmartValve iChangeOver® and Cloud Connection

Control SmartValve iChangeOver®

- **Efficient Gas Cylinder Management:**
 - Smartly manage your gas supply based on the remaining gas in your cylinders.

Cloud Connection

- **Stay in Control Anywhere, Anytime:**
 - With a monthly fee, our Cloud Connection service lets the Control Unit communicate with a server.
 - Access your data remotely via a user-friendly smartphone app.
 - Receive timely alerts and remotely shut off gas in case of pressure drops beyond a specified value.

As a global gas regulator manufacturer IGT takes pride in product quality & durable products. We support UN Sustainable Development Goals with special focus on 3, 12 & 13. An extended product lifetime reduces environmental footprint.



Contact Information



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