



GR400 Gas Regulator

Engineered for performance and reliability, designed for a low carbon-future.

The Landis+Gyr **GR400** is a next generation residential and light commercial gas regulator built for Australian and New Zealand networks. Its **dual-stage pressure reduction** delivers exceptional stability across a wide inlet pressure range—reducing variants and simplifying deployments.

Designed with an environmentally conscious feature, The

GR400 **reduces venting to atmosphere**, supporting sustainability goals while maintaining the high reliability that networks expect.

GR400 is engineered to meet today's requirements while supporting tomorrow's network upgrades. It's the regulator that helps utilities modernise with confidence.

Benefits

Reliable, Consistent Performance

- The GR400's dual-stage pressure reduction ensures consistently stable outlet control—even under wide fluctuations in inlet pressure. With one configuration that works across all networks, operators can reduce complexity, cut inventory costs, and simplify upgrades.

Engineered for Accuracy and Efficiency

- By providing high stability and reduced venting, the GR400 enhances metering accuracy, improves peak-load management, and supports better overall system performance. Fewer variants mean easier planning, smoother deployment, and lower lifecycle costs.

Built-in Safety

- A patented active-monitor system provides robust over-pressure protection through redundant regulation, fail-safe design, and partial-relief capability—without the maintenance downsides of traditional OPSO (Over-Pressure-Shut-Off) regulators.

Environmental Design

- Engineered to minimise venting to atmosphere, the GR400 reduces environmental impact and helps avoid unnecessary callouts, lowering operational costs.

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Product Specifications

Parameter	Characteristics
Gases	Gases listed in AS4564:2011 for Specification for general purpose natural gas and 20% blended hydrogen ready
Pressure Limit	2060kPa
Inlet Operating Pressure Range	15kPa – 515kPa
Capacity	Up to 12 m3/h, depending on operating conditions
Outlet Pressure Ranges	1.25kPa to 3kPa
Accuracy Class	AC10
Lock- up Pressure Class	SG20
Temperature Class 1	-10 to +60 °C
Strength Type	Integral
Failure Mode	Fail Close
Overpressure Protection	Active working monitor
Token Relief Vents *	Maximum relief valve flow rate is 400 L/h
Body Material	Aluminum alloy ADC12
Seals / Diaphragm Materials	Nitrile Rubber
Connections	Body connections female BSP ½" x ¾", ¾" x ¾". A variety of inlet and outlet connections are available to suit individual customer needs.
Integral Filter	Polyurethane foam filter cartridge
Standards	EN334:2019 AS4645.1-2018
Centre Dimension	109.5mm
Sealing	Top casting and end plate
Patent	WO 2023/113807 A1
Corrosion Protection	Alodine pre-treatment of aluminum castings, followed by baked polyester powder coat for maximum corrosion protection

The relief valve allows discharging a small amount of gas into the atmosphere*, when the downstream pressure exceeds a pre-set value beyond lockup pressure. The maximum relief valve flow rate is 400 L/h. Note(*) The discharge may be conveyed to the outside by means of a DN10 threaded connection (as specified in EN334:2019).

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Let's build a brighter future together.

Landis+Gyr is a leading global provider of integrated energy management solutions. We measure and analyze energy utilization to generate empowering analytics for smart grid and infrastructure management, enabling utilities and consumers to reduce energy consumption. Our innovative and proven portfolio of software, services and intelligent sensor technology is a key driver to decarbonize the grid. For more information, please visit our website www.landisgyr.com