UP TO 207 BAR 3,000 PSI

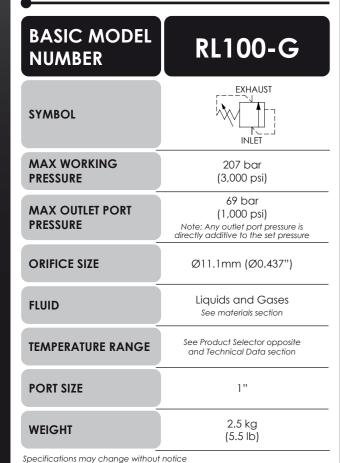


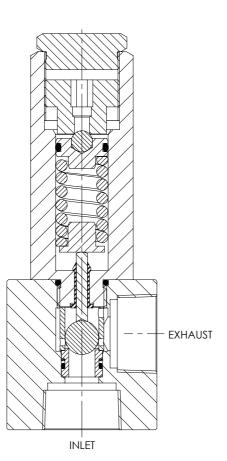
The RL100-G is a 1" ported relief valve. Designed for emergency relief applications, it may be used to protect systems up to 207 bar (3,000 psi).

The valve is a proportional metering style relief valve with soft seats enabling its use with both liquids and gases, and is approved as a safety accessory to category IV of the Pressure Equipment Directive.

- Approved to category IV of the Pressure Equipment Directive (2014/68/EU)
- Available preset via internal adjustment or with an external handwheel adjustment option
- Wire locking and tagging available on request
- Minimal leakage at 90% of set pressure
- Reseat within 20% of set pressure
- Repeatabily within ±5% of set pressure
- Subsea variants available, contact us for advice
- Suitable for use with air, nitrogen, sweet natural gas and mineral oils
- Suitable for many other media, contact us for advice
- Various spring ranges available

Specifications





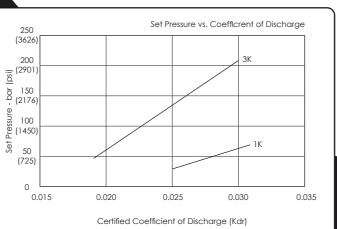
Materials

Externally Exposed Parts: 316 stainless steel on all pressure retaining components. 300 series stainless steel is used for the external adjuster. The non-wetted and enclosed internal adjuster is chrome steel

Internally Wetted Parts: 316 and 302 stainless steel, polyamide-imide, silicon nitride and acetal. The standard valve is designed for use with air, nitrogen, sweet natural gas and mineral oils. Contact us for advice when use with other media is required.

The standard valve has Viton® seals. Further seal options are available via the Product Selector. Compatibility with the working fluid at the operating temperature must be considered.

Typical Performance



The Kdr value may be used to calculate discharge capacity in accordance with ISO 4126. We recommend contacting us with system details to confirm suitability



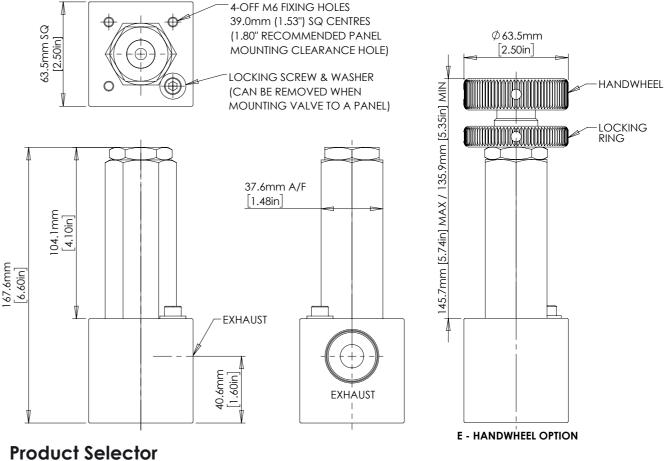
FLOW 3 PORT DIRECTIONAL CONTROL

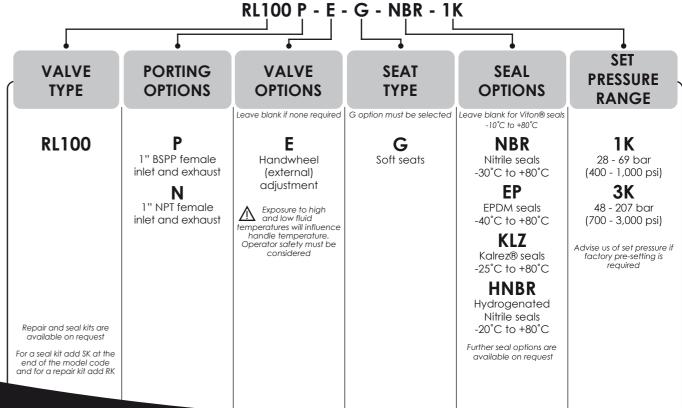
4 PORT DIRECTIONAL CONTROL

PILOT OPERATED CHECK

ACTUATORS

Installation Diagram







CATALOGUE ALSO AVAILABLE ON CD VISIT OUR WEBSITE FOR A FULL ONLINE SEARCH FACILITY www.bisvalves.co.uk