




VAL-12V-RP (1/4")

*Reduced Power Gas Solenoid
Valve for Boats*

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Introduction

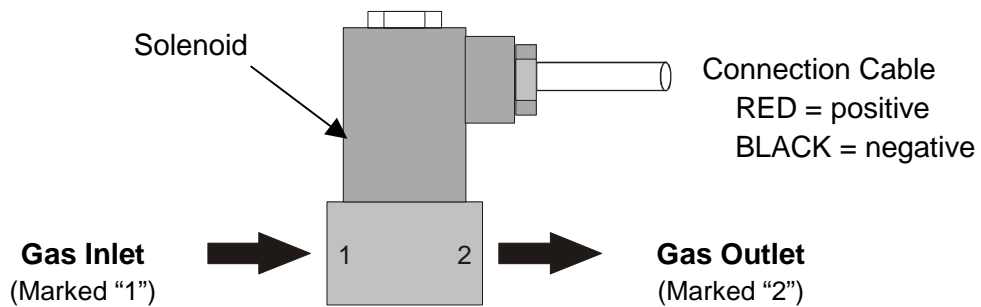
These valves are designed to control the LPG gas supply on boats. They contain a micro-electronic circuit which greatly reduces power consumption and ensures reliable operation over the full voltage range experienced on boats. The micro-circuit provides a pulse of current to open the valve and then automatically reduces it to a lower 'holding' current. As well as reducing power, the running temperature of the valve is much reduced and overall reliability increased.

These valves are ideal for use with the '-V' range of gas alarm systems from Nereus Alarms.

Warnings

- ▲ VAL-12V-RP are marked "V 12 =" and must only be used on 12V boats.
- ▲ Valves must only be fitted by a competent and qualified gas engineer to applicable regulations.

Installation



- The valve must be installed on the low pressure side of the gas cylinder regulator. Check system pressure does not exceed valve pressure specification
- Valve can be mounted in any orientation
- Direction of gas flow must be from inlet (marked "1" on valve body) to outlet (marked "2")
- Red wire of connection cable to be connected to positive supply (+12V). Black wire of connection cable to be connected to negative supply (0V)

Specification

| | |
|--------------------------------|---|
| Valve Type | Directly Operating, Normally Closed (Powered Open) Solenoid Valve |
| Gas Use | Suitable for use with LPG (butane, propane) |
| Voltage Range | 10 to 16 Vdc |
| Current Consumption | 1.0A pulse then 0.3A continuous |
| Gas Pressure Range | 0 to 0.7 bar |
| Gas Inlet & Outlet Connections | 1/4" BSPP |
| Internal Valve Orifice Size | 6 mm |
| Valve Body Material | Stainless Steel AISI 303 |
| Cable | 1m length, 16 AWG, marine grade |

Guarantee

This unit is guaranteed for one year from the date of purchase to be free from defects in materials and workmanship under normal use and service. We will, at our discretion, repair, replace or refund the price of any part of the unit which is found to be defective during the period of guarantee. This guarantee does not affect your statutory rights.