



## Series QA, Pressure Regulator and Control Valve User Instructions

### Scope:

These user instructions are applicable for Generant Series QA Pressure Regulator and Control Valve, sizes 1/4", 3/8" and 1/2" (Connection Types NPT, SAE, BSPT and BSPP)

### Intended Use:

The intended use of these regulators is to reduce an inlet pressure to a desired outlet pressure in a given system. Outlet pressure can be infinitely adjusted from zero to full pressure by rotating the control knob 180 degrees. These regulators are self relieving and will exhaust to atmosphere. These products can be used with gasses compatible with materials of construction.

**Note: Contact factory for specific specified application requirements.**

### Technical Data:

QA Series regulators are 100% factory tested for leakage, droop and flow performance. Every regulator is marked with Manufacturer, Part Number, Maximum Inlet Pressure, Direction of Flow and Date Code.

Maximum Inlet Pressure: 250 Psi (17.2 Bar)

Outlet Pressure Ranges:

"A" Spring: 0 – 50 Psi

"B" Spring: 0 -125 Psi

"C" Spring: 0 – 200 Psi

Panel Mounting:

Panel Hole: 31/32"

Max Panel Thickness: 1-1/2"

### Operating Instructions:

1. Prior to installation, it is recommended that the adjustment knob be turned fully clockwise until no load is present on the spring.
2. Insure that the regulator is piped according to the directional flow arrow forged on the regulator body.
3. 4 Port Regulators are supplied with 1/4" NPT gage ports and include one pipe plug.
4. Once regulator is properly connected and inlet pressure is present, rotation of the knob counter clockwise will increase outlet pressure. The regulator will adjust outlet pressure from 0 to full pressure in 180 degrees of travel. To decrease outlet pressure, rotate knob clockwise until desired outlet pressure is achieved.

**Note: Generant Series QA Regulators will self relieve outlet pressure thru the hole in the upper chamber. When mounting, use caution not to block relieve hole.**

5. Generant Regulators are field reparable and service parts can be ordered from the factory.

### **Safe Component Selection**

When selecting a component, the total system design must be considered to ensure safe, trouble free performance. Component function, materials compatibility, adequate ratings, proper installation, operation, cleanliness and maintenance are the responsibility of the system designer and user.