



Series GDR, Gas Delivery Regulator User Instructions

Scope:

These user instructions are applicable for Generant Series GDR Gas Delivery Regulators, sizes 1/4", 3/8", 1/2", 3/4" and 1" (Connection Types NPT, SAE, BSPT and BSPP)

Intended Use:

The intended use of these regulators is to reduce an inlet pressure to a predetermined outlet pressure in a given system. All Series GDR Regulators are supplied from the factory "Cleaned and Packaged for Oxygen Service".

Technical Data:

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

Maximum Inlet Pressure: 400 Psi (27.5 Bar)

Outlet Pressure Ranges:

"A" Spring: 0 – 50 Psi

"B" Spring: 50 -135 Psi

"C" Spring: 125 – 225 Psi



Generant Series GDR Regulators are supplied "Cleaned for Oxygen Service" from the factory are supplied heat sealed in poly bags. Once removed from the bag, integrity of this cleaning has been compromised. Proper handling should be used to ensure the integrity and cleanliness of the system.

Operating Instructions:

1. Prior to installation it is recommended that the adjustment screw be turned counter 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, turning adjustment screw clockwise will increase outlet pressure. To decrease outlet pressure, turn adjustment screw counter clockwise.
5. Once desired set pressure is achieved, the regulator can be locked by tightening the lock nut on the adjustment screw.
6. Generant Regulators are field repairable 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.