



Series HC & HCR, High Capacity Pressure Regulator User Instructions

Scope:

These user instructions are applicable for Generant Series HC & HCR High Capacity Pressure Regulators, 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 predetermined outlet pressure in a given system. These products can be used with the liquid or gasses compatible with materials of construction.

Note: Contact factory for specific specified application requirements.

Technical Data:

HC and HCR Series regulators are 100% factory tested for leakage, droop and flow performance. Every regulator is marked with Manufacturer, Series Type and Maximum Adjustment Pressure and Direction of Flow.

Maximum Inlet Pressure: 400 Psi (27.5 Bar)

Outlet Pressure Ranges:

"A" Spring: 5 – 50 Psi

"B" Spring: 10 -100 Psi

"C" Spring: 10 – 200 Psi

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.

Note: Generant Series HCR Regulators will self relieve outlet pressure thru the hole in the upper chamber, Series HC Regulators are not self relieving.

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 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.