



Series FLR Regulator User Instructions

Scope:

These User Instructions are applicable for Generant Series FLR Regulators.

Intended Use:

The intended use for Series FLR regulators is a pressure reducing regulator for gas service.

Technical Data:

Series FLR Regulators are 100% factory tested for leakage and factory pre-set. Every regulator is marked with Manufacturer, Part Number, Date Code, Maximum Inlet Pressure, Set Pressure Range and Direction of Flow. Customer may specify a set pressure in the range listed below or regulators will be factory pre-set to a default set pressure in the range.

Maximum Inlet Pressure: 600 PSIG (42 Bar)

Outlet Pressure Ranges:

“A” Spring: 15 – 65 PSIG

“B” Spring: 50 – 175 PSIG

“C” Spring: 150 – 350 PSIG

“D” Spring: 300 – 525 PSIG

⚠ WARNING

Generant Series FLR Regulators are supplied “Cleaned for Oxygen Service” standard in 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. Ensure that the regulator is installed according to the directional flow indicators marked on the regulator body.
2. If not installing pressure gauges into the gauge ports, install 1/8” NPT plugs (supplied with regulator) into gauge ports using PTFE tape and a 3/16” Allen Wrench.
3. To adjust regulator, use pressure gauge on the outlet or refer to the table below to adjust to desired setpoint from Factory Pre-Set pressure. Turn regulator adjusting screw (1/2” hex or T-Handle) clockwise to increase pressure and counter-clockwise to decrease.

*NOTE: Values in the table are for reference only.

Actual pressure adjustments will vary slightly.

4. Once desired adjustment is made, the regulator can be locked by tightening the lock nut on the adjustment screw.

SPRING	RANGE (PSIG)	PSI/TURN (APPROX)
A	15 - 65	15
B	50 - 175	25
C	150 - 350	55
D	300 - 525	70

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.