

Series CRM Regulator User Instructions

Scope:

These User Instructions are applicable for Generant Series CRM Regulators.

Intended Use:

The Series CRM regulators intended use is a Pressure Build Regulator for cryogenic liquid cylinder systems.

Technical Data:

Series CRM 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. Regulators come factory pre-set based on the end customer specifications, to a pressure in the range listed below.

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 CRM 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. To adjust regulator, refer to the table below to adjust to desired pressure build setpoint from Factory Pre-Set pressure. Turn regulator adjusting screw (1/2” hex) clockwise to increase pressure and counter-clockwise to decrease pressure.

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

Actual pressure adjustments will vary slightly.

3. 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.