

GC SERIES – FLOW CONTROL VALVES

SPECIFICATIONS:

- G Series Flow Regulators are designed to deliver a constant volume of water flow output over a wide pressure drop range.
- The controlling mechanism consists of a flexible orifice engineered to vary its effective area inversely to the applied pressure.
- At pressures above the threshold pressure, the orifice distorts, reducing the opening size to maintain the output flow rate to within $\pm 15\%$, up to pressure drops of 125 psi.
- **NOTE: Flow regulators are recommended for potable water below 180°F, flow tolerance of valve $\pm 15\%$, and maximum system pressure of 200 psi.**
- Special order options are available in stainless steel.

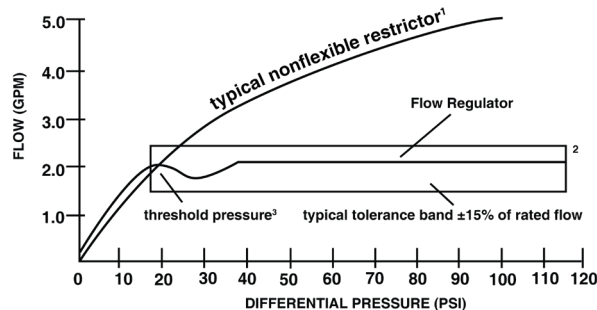


No Lead

RATINGS:

- Flow Tolerance: $\pm 15\%$
- Max. Pressure Drop: 125 PSI
- Max. System Pressure: 200 PSI
- Max. Water Temperature: 180°F

FLOW CHARACTERISTICS:



Notes:

1. Calculated flow through 1/8" diameter orifice
2. Typical flow curve of 2 GPM Flow Regulator
3. Threshold pressure will vary with flow rating

DIMENSIONS

Part No.	Inlet/Outlet NPT	Overall Length (Inches)	Flow Rate in GPM	Threshold Pressure (PSI)	Approx. Wt./Lbs.
FRGC7510	3/4" F	2.28	1.0	15 - 25	0.5
FRGC7515	3/4" F	2.28	1.5	15 - 25	0.5
FRGC7520	3/4" F	2.28	2.0	15 - 25	0.5
FRGC7525	3/4" F	2.28	2.5	15 - 25	0.5
FRGC7530	3/4" F	2.28	3.0	15 - 25	0.5
FRGC7535	3/4" F	2.28	3.5	15 - 25	0.5
FRGC7540	3/4" F	2.28	4.0	15 - 25	0.5
FRGC7545	3/4" F	2.28	4.5	15 - 25	0.5
FRGC7550	3/4" F	2.28	5.0	15 - 25	0.5
FRGC7555	3/4" F	2.28	5.5	15 - 25	0.5
FRGC7560	3/4" F	2.28	6.0	15 - 25	0.5
FRGC7570	3/4" F	2.28	7.0	15 - 25	0.5
FRGC7580	3/4" F	2.28	8.0	15 - 25	0.5
FRGC7590	3/4" F	2.28	9.0	15 - 25	0.5
FRGC75100	3/4" F	2.28	10.0	15 - 25	0.5

MATERIALS LIST

Part Name	Material
Body	Nickel Plated No-Lead Brass
Seal	Nitrile/EPDM

OPERATING PRINCIPLE:

