

GB 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.



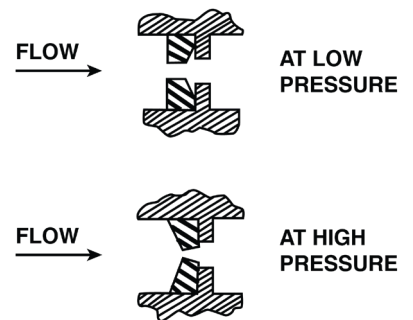
No Lead

RATINGS:

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

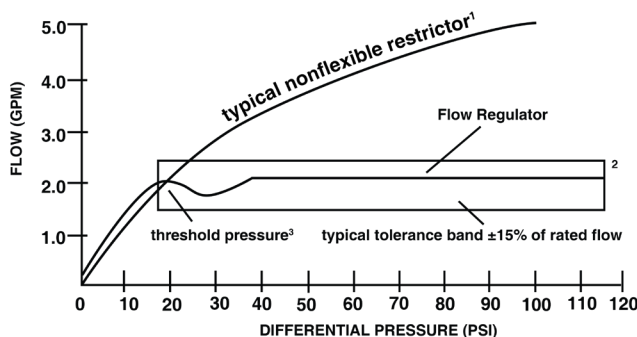
DIMENSIONS					
Part No.	Inlet/Outlet NPT	Overall Length (Inches)	Flow Rate in GPM	Threshold Pressure (PSI)	Approx. Wt./Lbs.
FRGB5010	1/2" F	1.94	1.0	15 - 25	0.2
FRGB5015	1/2" F	1.94	1.5	15 - 25	0.2
FRGB5020	1/2" F	1.94	2.0	15 - 25	0.2
FRGB5025	1/2" F	1.94	2.5	15 - 25	0.2
FRGB5030	1/2" F	1.94	3.0	15 - 25	0.2
FRGB5035	1/2" F	1.94	3.5	15 - 25	0.2
FRGB5040	1/2" F	1.94	4.0	15 - 25	0.2
FRGB5050	1/2" F	1.94	5.0	15 - 25	0.2
FRGB5060	1/2" F	1.94	6.0	15 - 25	0.2

OPERATING PRINCIPLE:



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

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