

# GA 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.



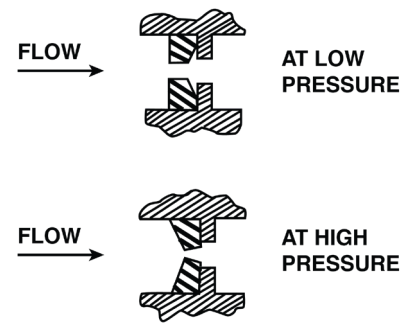
No Lead

## RATINGS:

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

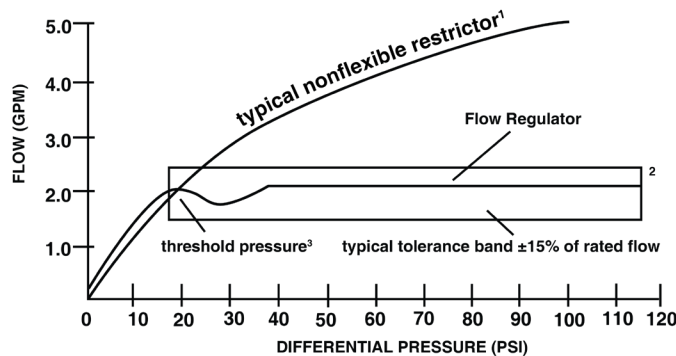
| DIMENSIONS |                  |                         |                  |                          |                  |
|------------|------------------|-------------------------|------------------|--------------------------|------------------|
| Part No.   | Inlet/Outlet NPT | Overall Length (Inches) | Flow Rate in GPM | Threshold Pressure (PSI) | Approx. Wt./Lbs. |
| FRGA38013  | 3/8" F           | 1.75                    | .13              | 15 - 25                  | 0.2              |
| FRGA38019  | 3/8" F           | 1.75                    | .19              | 15 - 25                  | 0.2              |
| FRGA38025  | 3/8" F           | 1.75                    | .25              | 15 - 25                  | 0.2              |
| FRGA38035  | 3/8" F           | 1.75                    | .35              | 15 - 25                  | 0.2              |
| FRGA38050  | 3/8" F           | 1.75                    | .50              | 15 - 25                  | 0.2              |
| FRGA38075  | 3/8" F           | 1.75                    | .75              | 15 - 25                  | 0.2              |
| FRGA3810   | 3/8" F           | 1.75                    | 1.0              | 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