

# SureFLO™

## FLOW CONTROL VALVES

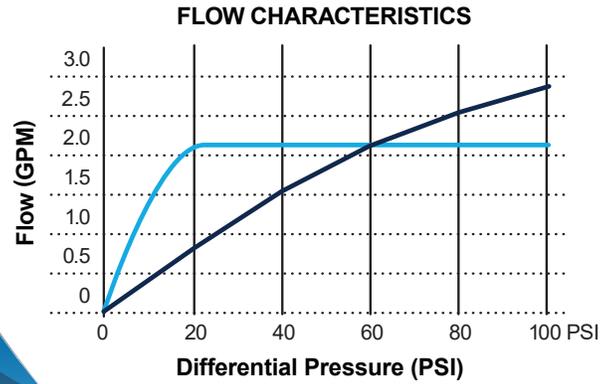
### WORKING PRINCIPLE

Flow regulators are used to maintain a defined flow rate regardless of pressure variations of the supply line. Precise flow control improves system performance and in the case of plumbing systems, it provides comfort of use at low pressure as well as water and energy saving at high pressure. When there is no flow or pressure, the O-Ring is relaxed. When there is normal pressure, the O-Ring subjected to the line pressure is compressed into the seating area. As the pressure increases, the O-Ring is compressed further into the seating area. As the pressure decreases, the O-Ring relaxes. Since the flow rate for a given orifice changes to the square root of delta P, the O-Ring deformation is equal to this thus giving a constant flow over a wide range of pressure variations.

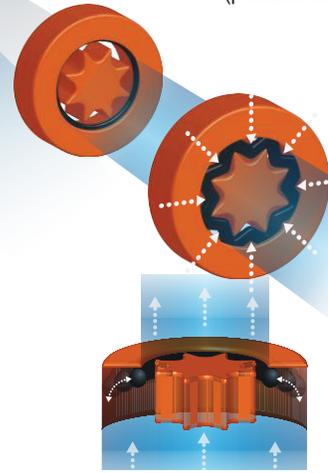
**FLOW TOLERANCE** refers to the deviation from Nominal Flow tolerated across the pressure range once the threshold pressure is reached. In general the flow tolerance is +/-15%.

**WORKING CONDITIONS** refers to the usual parameters of the application such as medium (usually drinking water), pressure range (usually 0 to 150 PSI) and temperature range (usually 40 to 150°F).

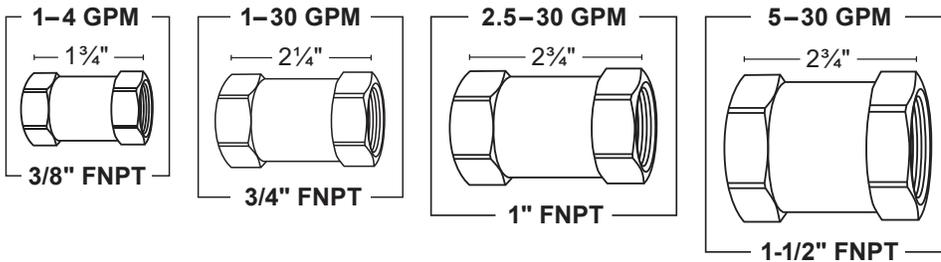
**THRESHOLD PRESSURE** refers to the pressure at which the flow regulator effectively begins controlling the flow. Standard regulators begin controlling at 15 PSI.



— Restriction  
— Flow regulator (pressure compensating)



## 304 Stainless Steel Models & Specifications



Certified to  
NSF®/ANSI 61 & 372



Drinking water  
NSF®/ANSI 61  
NSF®/ANSI 372 LLC

Flow Rate (GPM)	Fitting Size (FNPT)	Part No.
1.5	3/8"	27-0082
6	3/4"	27-0095
9	1"	27-0084
12	1"	27-1212
15	1-1/2"	27-1213
20	1-1/2"	27-1220
25	1-1/2"	27-0094
30	1-1/2"	27-1030

More flow rates available. Contact factory.

The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation® and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.

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