



FLOW REGULATORS

Water Management and Energy Saving

Applications

- Geothermal equipment
- Water purificator
- Tankless water heater
- Electronic faucet
- General use, industrial, irrigation



Also available in
SS316

HG Spec's Flow Regulators

Water is becoming more precious than ever. It's an essential resource for all types of living form on earth. In order to help homeowners and industries to save this valuable resource, HG Spec presents its flow regulators. Not only it can help you save water, but also energy and money, as many areas and industries must comply with taxes on water. HG Flow regulators will keep a constant water flow rate (within variations of 15%), up to pressure drops of 125 psi. HG Flow regulators have applications in a lot of domains, such as general household use (electronic faucet, tankless water heater, water softener, etc.), industrial use (distributing machine, geothermal system, etc.) and even irrigation.

Custom requests are welcome (OEM)

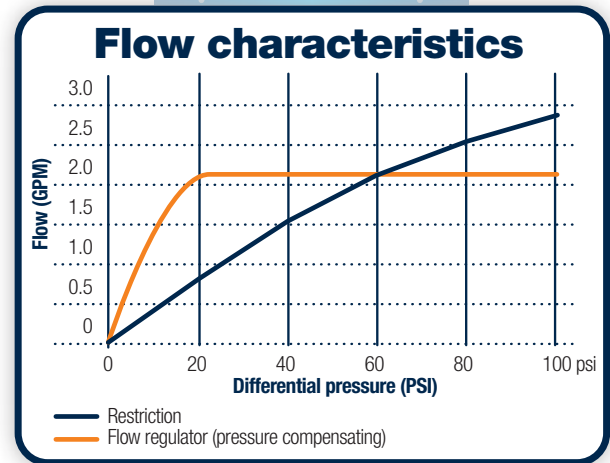
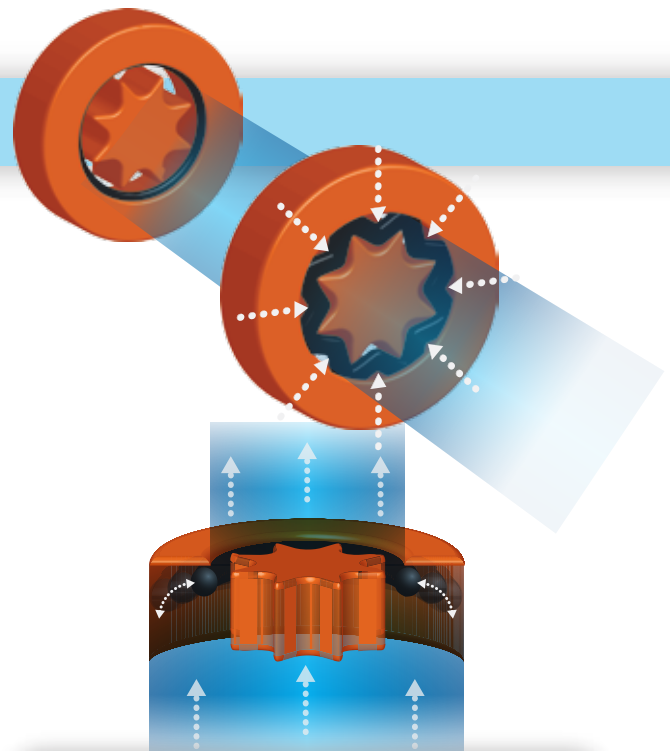
Working Principle

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%

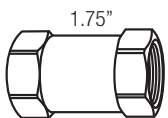
WORKING CONDITIONS refers to the usual parameters of the application such as medium (usually drinking water), pressure range (usually 0 to 150 PSI) and temperature range (usually 40 to 150° F).

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

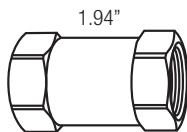


Specifications

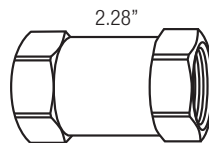
Lead free



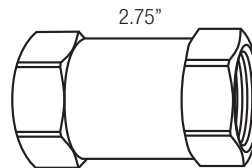
SÉRIE A and SSA
3/8" FNPT
0.13 to 4.00 GPM
3 oz (A), 2.9 oz (SSA)



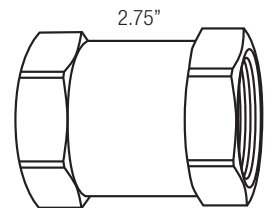
SÉRIE B and SSB
1/2" FNPT
0.25 to 7.00 GPM
3.6 oz (B), 3.3 oz (SSB)



SÉRIE C and SSC
3/4" FNPT
1.00 to 30.00 GPM
6 oz (C), 5.5 oz (SSC)



SÉRIE X and SSX
1" FNPT
2.50 to 30.00 GMP
10.8 oz (X), 9 oz (SSX)



SÉRIE Z and SSZ
1 1/2" FNPT
5.00 to 30.00 GPM
22.6 oz (Z), 21 oz (SSZ)



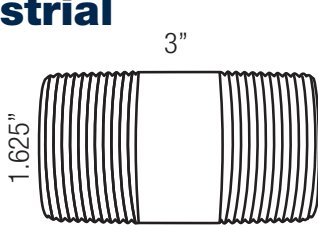
Flow Rate

GALLON / MINUTE	A	B	C	X	Z	SSA	SSB	SSC	SSX	SSZ	P	T	F	H	K	SR	FMA	Y
0.13	•					•												
0.19	•					•												
0.25	•	•				•	•											
0.35	•					•												
0.50	•	•				•	•											•
0.75	•	•				•	•											•
1.00	•	•	•			•	•	•										•
1.30	•	•	•			•	•	•										•
1.50	•	•	•			•	•	•									•	•
1.75	•	•	•			•	•	•										•
2.00	•	•	•			•	•	•									•	•
2.50	•	•	•	•		•	•	•	•								•	•
3.00	•	•	•	•		•	•	•	•								•	•
3.50		•	•	•			•	•	•									•
4.00	•	•	•	•		•	•	•	•									•
4.50		•	•	•			•	•	•									•
5.00		•	•	•	•		•	•	•	•	•	•						•
6.00		•	•	•	•		•	•	•	•	•	•						•
6.50			•	•	•			•	•	•	•	•						•
7.00		•	•	•	•		•	•	•	•	•	•						•
8.00			•	•	•			•	•	•	•	•						•
9.00			•	•	•			•	•	•	•	•						•
10.00			•	•	•			•	•	•	•	•	•					•
12.00			•	•	•			•	•	•	•	•	•					•
13.00			•	•	•			•	•	•	•	•	•					•
13.50			•	•	•			•	•	•	•	•	•					•
15.00			•	•	•			•	•	•	•	•	•					•
18.00			•	•	•			•	•	•	•	•	•					•
20.00			•	•	•			•	•	•	•	•	•					•
24.00			•	•	•			•	•	•	•	•	•					•
25.00			•	•	•			•	•	•	•	•	•					•
26.00			•	•	•			•	•	•	•	•	•					•
30.00			•	•	•			•	•	•	•	•	•	•	•			•
35.00															•	•		•
40.00															•	•		•
45.00															•	•		•
50.00															•	•		•
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80.00															•	•		•
85.00															•	•		•
90.00															•	•		•
95.00															•	•		•
100.00															•	•		•
105.00															•	•		•
110.00															•	•		•
115.00															•	•		•
120.00															•	•		•

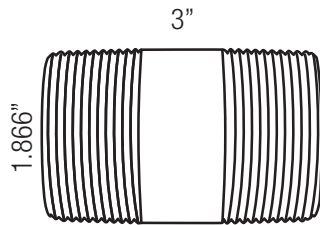


Specifications

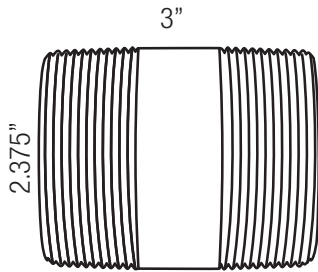
Industrial



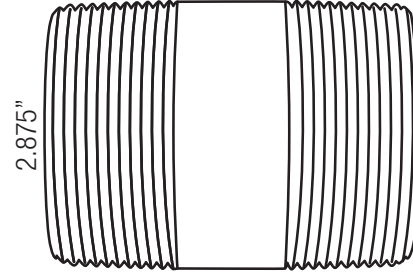
P Series
 1 1/4" MNPT
 5.00 to 30.00 GPM
 10 oz



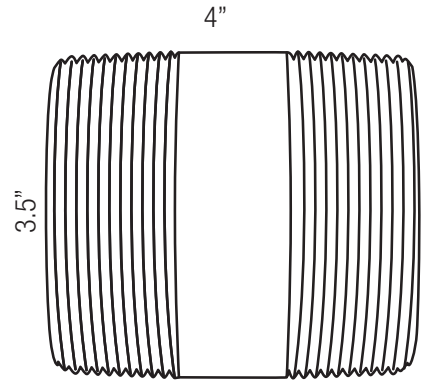
T Series
 1 1/2" MNPT
 5.00 to 30.00 GPM
 13 oz 4"



F Series
 2" MNPT
 10.00 to 30.00 GPM
 19 oz

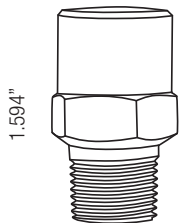


H Series
 2 1/2" MNPT
 30.00 to 90.00 GPM
 32 oz



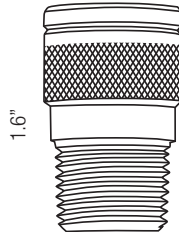
K Series
 3" MNPT
 30.00 to 120.00 GPM
 51 oz

Faucet



FMA Series
 0.375" MNPT
 0.50 to 1.50 GPM
 1.6 oz

Shower



SR Series
 0.5" MNPT
 2.00 to 3.00 GPM
 3.3 oz

Irrigation



Y Series
 0.75" MNPT
 1.00 to 7.00 GPM
 4.5 oz

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Informations in this documents are founded on the most recent data available at the moment of its publication and is meant for a general presentation of our products. The accuracy of this information cannot be guaranteed. Our products are steadily enhanced and their technical specifications can be modified without prior notice.



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