

FLOW REGULATORS

APPLICATIONS

- → GEOTHERMAL EQUIPMENT → ELECTRONIC FAUCET
- → WATER PURIFICATOR
 → IRRIGATION
- → TANKLESS WATER HEATER
 → GENERAL OR INDUSTRIAL USE

WATER MANAGEMENT AND ENERGY SAVING









ONLY AVAILABLE AT CALEFACTIO UNION TYPE 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, Calefactio 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. Calefactio's Flow regulators will keep a constant water flow rate (within variations of 15%), up to pressure drops of 125 PSI. Calefactio's 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)



ALSO AVAILABLE IN 316SS



WORKING PRINCIPLE

Flow regulators are used to maintan 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.

FLOW CHARACTERISTICS 3.0 2.5 2.0 1.5 1.0 0.5 0 100 PSI 0 40 60 80 **Differential pressure (PSI)** Restriction Flow regulator (pressure compensating)

FIXED TYPE REGULATORS



A and SSA

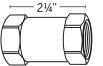
3/8" FNPT 0.13 to 4.00 GPM 3 oz (A), 2.9 oz (SSA)



B and SSB

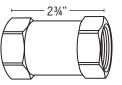
1/2" FNPT 0.25 to 9.00 GPM 3.6 oz (B), 3.3 oz (SSB)





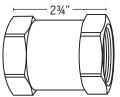
C and SSC

34" FNPT 0.25 to 30.00 GPM 6 oz (C), 5.5 oz (SSC)



X and SSX

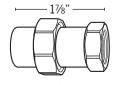
1" FNPT 2.50 to 30.00 GPM 10.8 oz (X), 9 oz (SSX)



Z and SSZ

1½" FNPT 5.00 to 30.00 GPM 22.6 oz (Z), 21 oz (SSZ)

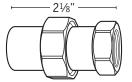
UNION TYPE REGULATORS



ΑU

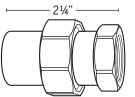
3/8'' FNPT 0.13 to 4.00 GPM 0.02 oz





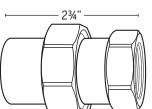
BU

½'' FNPT 0.25 to 9.00 GPM 4 oz



CU

34 FNPT 0.25 to 30.00 GPM 6.4 oz

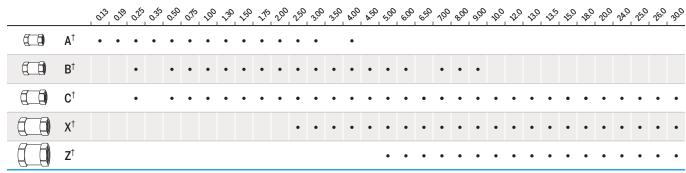


ΧU

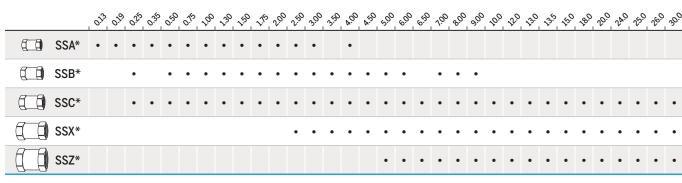
1" FNPT 2.50 to 30.00 GPM 12.8 oz

FLOW RATE

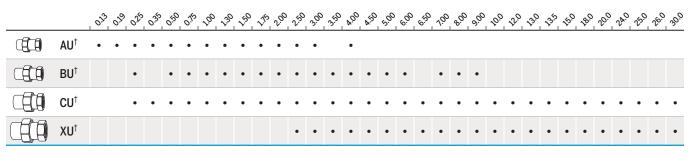
Gallon per minute



[†]Made of lead-free nickel-plated brass



^{*}Made of 316 stainless steel



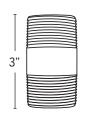
[†]Made of lead-free nickel-plated brass

CUSTOM REQUESTS ARE WELCOME (OEM)

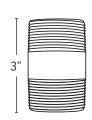




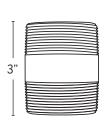
INDUSTRIAL



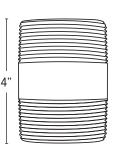
P Series 11/4" x 11/4" MNPT 5.00 to 30.00 GPM



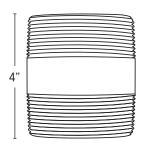
T Series 1½"x1½" MNPT 5.00 to 30.00 GPM



F Series 2"x 2" MNPT 10.00 to 30.00 GPM



H Series 21/2" x 21/2" MNPT 30.00 to 90.00 GPM



K Series 3"x3" MNPT 30.00 to 120.00 GPM

Gallon per minute

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	65.	30	600	650	100	900	900	100	30	130	13%	450	180	200	240	250	180	300	350	100	120	400	450	600	650	100	150	800	85º	900	950	100	10/2	10	1/5	30
P Series [†]	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																		
T Series [†]	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																		
F Series [†]								•	•	•	•	•	•	•	•	•	•	•																		
H Series [†]																		•	•	•	•	•	•	•	•	•	•	•	•	•						
K Series [†]																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

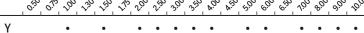
[†]Made of lead-free nickel-plated brass

IRRIGATION



Y Series* 34" MNPT x 34" FNPT 1.00 to 10.00 GPM 4.5 oz





*This model is not CSA accreditated.

Calefactio flow regulators are warranted against defects in workmanship and materials for a period of two (2) years from the date of original purchase.

Information in this document is 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.



ALSO AVAILABLE IN 316SS

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