

FLOWGUARD

Balancing Valve Installation Instructions

ISTEC

Flow Measurement & Control



Applications

The Flow Guard can be used to balance Heating, Cooling, Radiant, Solar, Heat Pump or other water flow systems in Flow ranges using pipe sizes from 3/4" to 1 1/4".

Installations

Flow Guard works in any position – horizontal, vertical, up or down flow. The flow direction is indicated with an arrow on the solid brass body. The union connections give sufficient straight pipe run to get accurate flow readings. To facilitate reading of the flow rate, rotate the gray rate indicator to the best position.

Balancing to the Desired Flow Rate

The balancing valve can be adjusted with an Allen key (4mm or 5/32"). Adjust the rate with all systems operating. The balancing screw might need many revolutions. This valve design allows exact adjustment with the lowest noise emission.

Main Features

Accuracy ± 8%

Installation can be in any direction

Multi-turn adjustment for exact flow rate

Flow can be shut off

Main flow of water does not enter Flow Indicator

High temperature rating 212°F (100°C)

High pressure rating 150 psi (10 bar)

Accurate reading even with glycol solutions

Technical Specifications

Maximum Temperature:	212°F (100°C)	Flow Range:	#2907	3/4"	0.5-4 gpm
Maximum Pressure:	150 psi (10 bar)		#2908	3/4"	1-9 gpm
			#2911	1"	1-13 gpm
			#2912	1 1/4"	2-21 gpm

Material

Housing: solid brass

Flow Meter: impact resistant and temperature stable fiberglass and plastic

Flow Indicator Spring: stainless steel

Seals: EPDM Elastomers

Specifications are subject to change without notice.

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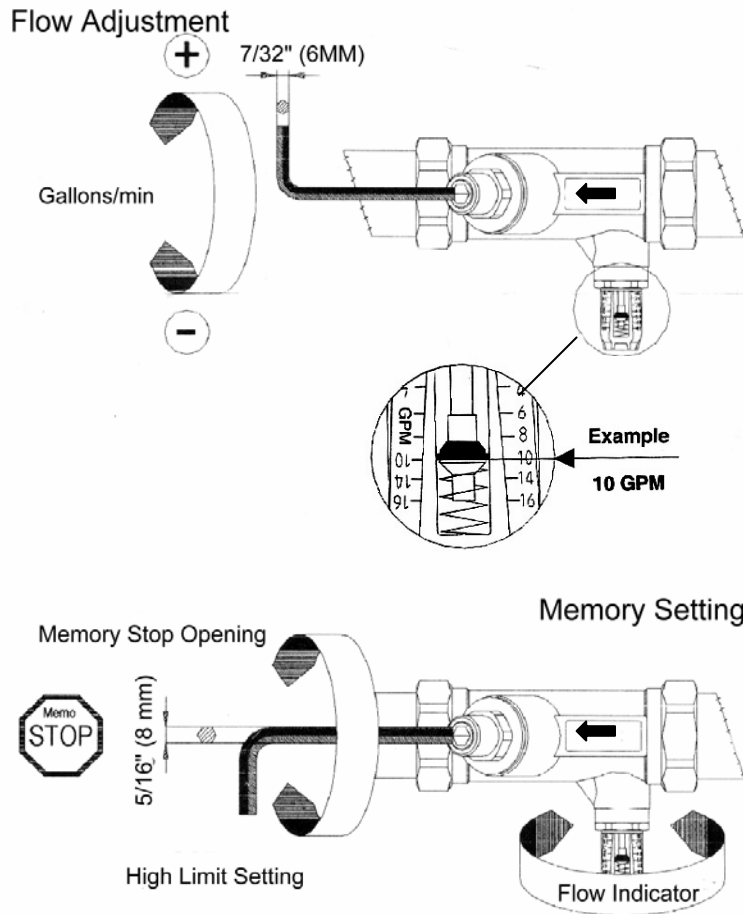
5 Park Lake Road, Sparta NJ 07871
PHONE: (973) 383 9888 FAX: (973) 383 9088
www.istec-corp.com

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FlowGuard-Memory

Sizes 1" and 1 1/4"

The memory stop allows return to previous flow rate setting after Flowguard has been used as a stop valve. (Totally closed flow)



Technical Specifications:

Model #	Size	Indicator Range	Cv	Temp Range	Max. Pressure
2911	1"	1 -13 GPM	6.4	0°F-212°F	150 psi
2912	1 1/4"	2 -21 GPM	10.5	0°F-212°F	150 psi