

RADIATOR VALVES

2000 Series



Product Overview

The ISTEC 2000 Series Radiator Valve is a self-contained, non-electric temperature-regulating device. The rugged and reliable construction provides years of trouble-free service in hot water or steam heating systems.

The wax-type temperature sensor expands or contracts based on room temperature changes. This movement adjusts the valve opening which increases or decreases the flow through the radiator. Continual modulation of the valve reduces energy consumption and provides even temperature levels in each heating zone.

The valve's innovative design pattern minimizes expansion noise and flow sound levels. All valve sizes and patterns utilize the same insert and accommodate any ISTEC temperature controller.

Technical Specifications

Body	Nickel Plated Brass
Stem & Spring	Stainless Steel
Seat	EPDM
Max. Temperature	250°F
Maximum Pressure	
Hot Water	150 psi
Steam	15 psi
Temperature Range	40°F to 80°F

Applications

- Hot Water Heating Systems
- 1 & 2-Pipe Steam Heating Systems
- Radiant Heating Systems

Features

- Increases heating system efficiency
- Provides even room temperature
- Maximizes comfort ($\pm 1^\circ\text{F}$)
- Desired temperature can be locked or limited
- Freeze Protection
- Positive shutoff
- Prevents overheating
- Balances the heating system
- Simple, "one - trade" installation
- Fully automatic
- "Memory-Disc" setpoint reminder
- Replaceable insert (without draining system)
- No service requirements
- Vandalproof design
- Exceeds ASHRAE standards

Sizes & Styles

Valves

Sizes: 1/8", 1/2", 3/4", 1", and 1-1/4"
Styles: Straight, Angle & Horizontal Angle
Connection: NPT or Sweat (1/2" to 1")
NPT (1/8" & 1-1/4")
Insert: Standard or Reversed flow

Controls

- Manual
- Self-Contained
- Remote Sensor (6', 10' & 15')
- Remote Sensor & Controller (6')
- Armored Tubing (6' Remote sensor only)
- 24VAC (N.C. Standard, N.O. Optional)

Accessories

- Locking ring
- Actuator Extension
- Re-calibration Tool

RADIATOR VALVES

2000 Series

Dimensions

VALVE BODY

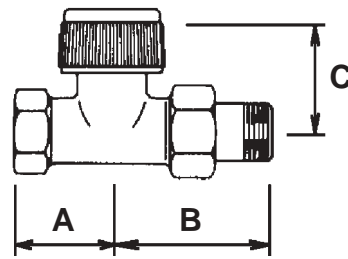
Size	1/2"	3/4"	1"	1-1/4"
A	1-7/16	1-5/8	1-3/4	2-3/8
As	2-3/16	2-7/8	3-1/4	N/A
B	2-5/16	2-1/2	3-1/8	3-1/2
Bs	1-7/8	2-1/8	2-7/8	N/A
C	1-1/8	1-1/8	1-1/8	1-5/16
D	2-3/8	2-5/8	3	3-3/8
Ds	1-7/8	2-1/4	2-5/8	N/A
E	1	1-1/8	1-3/8	1-9/16
Es	1-3/4	2-3/8	2-7/8	N/A
F	1	1	1-1/16	1-1/16
G	1-5/8	1-1/2	1-1/2	N/A
H	2-5/16	2-5/8	3	N/A
Hs	1-7/8	2-1/4	2-5/8	N/A
I	1-1/8	1-1/8	2-15/16	N/A
Is	1-3/4	3	3-5/8	N/A

CONTROLS

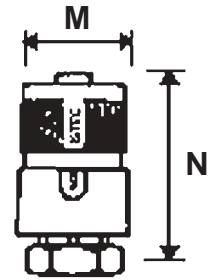
K	1-1/2
L	1-1/2
M	1-5/8
N	3
P	11/16
Q	3-3/16
R	2-5/8
S	3-1/8
T	1-5/8
U	2-3/8

NOTE:
ALL CONTROLS
WILL FIT
ALL VALVE
SIZES AND STYLES

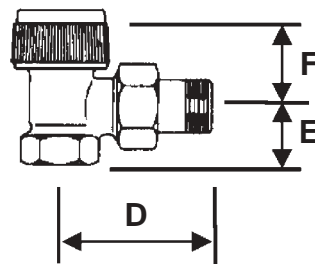
ALL
DIMENSIONS
IN INCHES



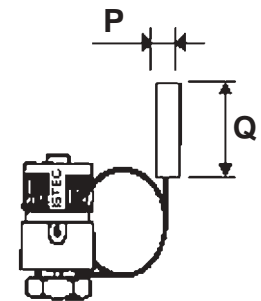
Straight



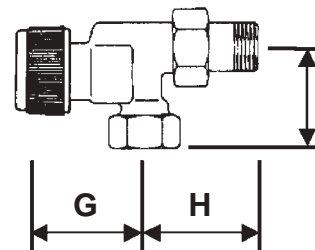
Self-Contained



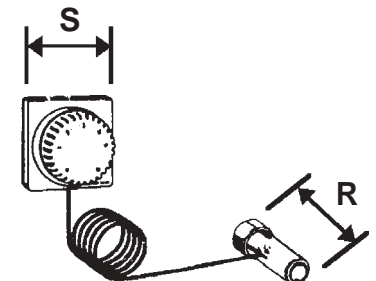
Angle



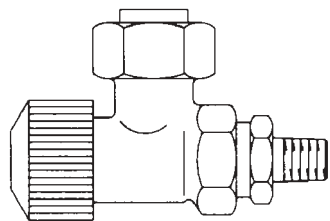
Remote Sensor



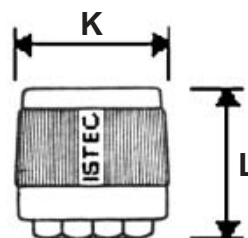
Horizontal Angle



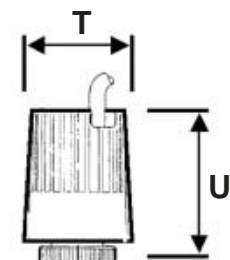
Remote Sensor/Controller



One Pipe Steam



Manual



24 Volt