

# RADIATOR VALVES

Models 518, 523, AND 511



Model 518



Model 523



Model 511

## Technical Specifications

Sterlco® Radiator Valves feature practical, simple styling for your steam or hot water heating systems. The solid, rugged construction assures long serviceable life.

Available in several different body patterns, these valves provide flexibility to meet the needs of your application.

## Features

### Standard Features

- Positive “on” and “off” control for any type of heating element or radiator
- Heavy cast brass body
- Several body patterns available
- Packed Stem, Packless, and Spring Packed models
- Durable and easy to install

### Installation

Supply valves for a two-pipe system are the globe type and are made in a number of different patterns; angle, straightway, right hand or left hand. Installation for the system is made at the inlet connection.

The angle pattern valve is most commonly used because it is easily adaptable to most heating unit installations. When the inlet connection is below the unit, the straightway pattern is installed in a vertical connection to a convector.

### One-Pipe Steam Systems

Installation of the supply valve on a one-pipe system should be made at the bottom inlet of each radiator. The valve should be an angle pattern because steam must enter the heating unit and condensate must leave the unit through the same valve at the same time. A straightway pattern valve in the horizontal position has a natural obstruction to the flow of steam and condensate.

*NOTE: The supply valve on a single pipe system can be used either to turn the radiator “on” or “off” completely. It cannot be used in a throttled position to control steam distribution. A throttled valve creates objectional noises and if there are a number of valves left in the throttled position, condensate cannot be readily returned to the boiler.*

### Two-Pipe Steam and Water Systems

In two-pipe steam and water systems, a choice can be made between valves with regular packing, spring loaded packing construction or the packless diaphragm type.

In vacuum two-pipe systems, the packless diaphragm valve is ideal for prevention of air leakage into the system.



### Model 518 Packed Stem

Sterlco® Radiator Valve Model 518 is designed for steam heating systems with pressures of 25" vacuum to 125 PSI. It may also be used in water systems with pressures up to 200 PSI. This valve is equipped with positive "on" and "off" control for any type of heating element or radiator.

- 518 Valve features a heavy cast brass body, brass union and nut. This solid, simple, rugged construction will resist strains during installation and assures long serviceable life.
- Heavy packing nut keeps pressure on solid one-piece synthetic fiber packing ring, providing a tight seal around the valve stem.
- Practical, simple styling...one piece handle with rising stem makes 518 easy to operate. Simple styling permits installation in exposed locations.



### Model 523 Packless

Sterlco® Radiator Valve Model 523 is designed for both steam and hot water heating systems. It can be applied to sub-atmospheric steam systems of 25" vacuum with pressures up to 125 PSI and to water systems with working pressures up to 125 PSI. It is equipped with positive "on" and "off" control for any type of heating element or radiator.

- 523 Valve features a heavy brass body casting, brass union nut and nipple capable of resisting strains during installation. Unique design using primary and secondary levers of high tensile, high yield non-corrosive alloy actuates the plunger. Minimum number of parts reduces maintenance. Available in two body patterns.
- Primary and secondary levers and the return spring allow free up and down movement of the valve plunger and disc. This prevents leakage of steam, water and air into the system and also prevents clogging and corrosion.
- Valve is fully opened or closed with less than one turn of the handle. It features positive valve shut off providing a perfect seal in the closed position.
- Attractive, simple styling, non-rising handle and low bonnet permits installation in exposed locations.

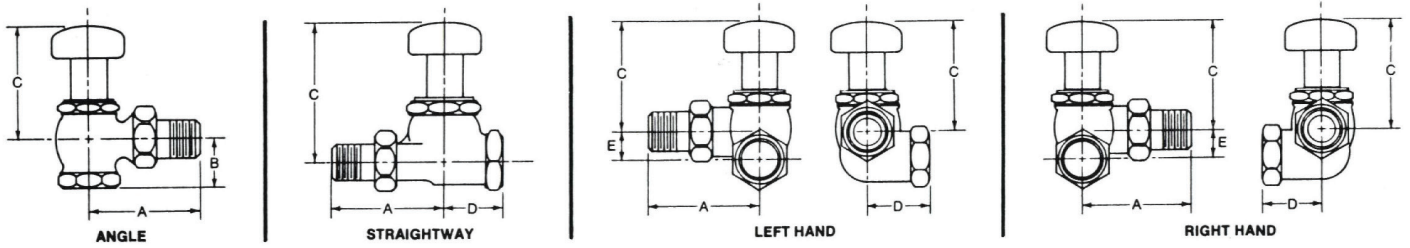


### Model 511 Spring Packed

Sterlco® Radiator Valve Model 511 is designed for steam heating systems with pressures of 25" of vacuum to 150 PSI. It may also be applied to water systems with pressures up to 200 PSI. Like other Sterlco® Radiator valves, the 511 is equipped with positive "on" and "off" control for any type of heating element or radiator.

- 511 Valve features a heavy brass body casting which will resist strains during installation. This simple, rugged pattern is available in four body patterns.
- Heavy coil spring maintains pressure on special one-piece synthetic fiber ring, providing a tight seal around the valve stem.
- Valve is fully opened or closed with less than one turn of the handle. Positive valve shut-off means a perfect seal in the closed position.
- Attractive, simple styling, heat-resisting composition handle with non-rising stem, permits installation in exposed locations.

## Product Diagrams



## Specifications

### Model 518

Size	Pattern	A	B	C	D	Aprox. Shipping Weight, lbs.
2"	Angle	4-1/16"	2-1/4"	5"	-	4-3/4

### Model 523

Size	Pattern	A	B	C	D	Aprox. Shipping Weight, lbs.
1/2"	Angle	2 7/8"	1 1/8"	2-11/16"	-	1-1/2
1/2"	Straightway	2 5/8"	-	3-5/16"	1-3/8"	1-3/4
3/4"	Angle	2 5/8"	1 3/16"	2-3/4"	-	1-3/4
3/4"	Straightway	2 7/8"	-	3-7/16"	1-5/8"	2

### Model 511

Size	Pattern	A	B	C	D	E	Aprox. Shipping Weight, lbs.
1/2"	Angle	2-1/4"	1-1/16"	3-1/16"	-	-	1
1/2"	Straightway	2-1/4"	-	3-3/8"	1-5/16"	-	1-1/4
1/2"	Corner	2-5/16"	-	3-1/16"	1-3/8"	5/8"	1-1/2
3/4"	Angle	2-9/16"	1-1/4"	3-1/16"	-	-	1-1/2
3/4"	Straightway	2-5/8"	-	3-7/16"	1-9/16"	-	1-1/2
3/4"	Corner	2-9/16"	-	3-1/16"	1-5/8"	3/4"	1-3/4
1"	Angle	3"	1-7/16"	3-3/8"	-	-	1-3/4
1"	Straightway	3-9/16"	-	4-3/8"	1-7/8"	-	2-1/4
1"	Corner	3"	-	3-3/8"	1-7/8"	1"	3
1-1/4"	Angle	3-1/4"	1-5/8"	3-1/2"	-	-	2-1/2
1-1/4"	Straightway	3-11/16"	-	4 -5/8"	2-1/16"	-	3
1-1/4"	Corner	3-1/4"	-	3-1/2"	2-1/16"	1-1/8"	3-1/2
1-1/2"	Angle	3-9/16"	1-7/8"	3-7/8"	-	-	3-1/4
1-1/2"	Straightway	4-1/4"	-	5-1/8"	2-5/16"	-	4-1/4
1-1/2"	Corner	3-9/16"	-	3-7/8"	2-5/16"	1-1/4"	4-1/2