

# Flo Control Valves for Hydronic Heating

- **STOP GRAVITY FLOW WHEN CIRCULATOR IS NOT RUNNING**
- **SUMMER OPERATION**
- **FOR USE WITH AN INDIRECT WATER HEATER**

**Quiet Operation . . . no chattering**  
**Steady Flow Conditions. . . no rattling**

Armstrong Flo-Control Valves are designed to prevent gravity circulation in a Hydronic System when the circulating pump is not running. When the pump starts, the Flo-Control Valve opens automatically to permit circulation of water in the heating system. If gravity flow is required, for any reason . . . such as electric power failure . . . the valve may be opened manually.

Armstrong Flo-Control Valves are an essential part of a hot water heating system when domestic water is heated from an indirect heater in the boiler. In summer, when no heat is required and the heating pump is not running, the Flo-Control Valve prevents gravity flow in the system.

In addition to permitting year-round use of the indirect water heater, Armstrong Flo-Control Valves, in conjunction with the room thermostat and circulating pump, help to regulate building temperatures when the heating system is in operation.

Armstrong Flo-Control Valves, sizes 3/4" through 3", are available in Iron Straight-Angle Type for horizontal or vertical installation in various piping designs. Sizes 3/4" and 1" are also available in Bronze Straightway Type for use with copper tubing.



## Easy To Clean

It is not necessary to remove Armstrong Flo-Control Valves from the line for cleaning.

- Simply:
- unscrew top cap
  - remove valve mechanism
  - clean out all foreign matter
  - replace cap

When installing, leave sufficient clearance from centre line of Valve to ceiling, to facilitate cleaning.

Sizes to 1 1/2" . . . . . leave 5" clearance  
 Sizes 2" and larger . . . . . leave 9" clearance

## Materials of Construction

3/4" and 1" sizes: bronze body or iron body. . . bronze fittings  
 (straightway) (straight-angle)

1 1/4" through 3" sizes: iron body. . . bronze fittings

WORKING PRESSURE: 125 psig

MAXIMUM OPERATING TEMPERATURE: 250 F

Size	Connections	Dimensions in Inches				
		A	B	C	D	E
STRAIGHT-ANGLE						
3/4"	Screwed 3 Ends	3 1/2	5 1/2	1 7/8	1 3/4	1 1/2
1"	Screwed 3 Ends	3 1/2	5 1/2	1 7/8	1 3/4	1 1/2
1 1/4"	Screwed 3 Ends	4	6 1/2	2 1/4	2	1 7/8
1 1/2"	Screwed 3 Ends	5	7 1/4	3	2 1/2	2 1/4
2"	Flanged 1 Screwed 2 Ends	6 7/8	7 1/2	4 5/8	4	2 5/8
2 1/2"	Flanged 1 Screwed 2 Ends	8 3/8	9 5/8	6	5	3 7/16
3"	Flanged 1 Screwed 2 Ends	9	10	6	5 1/4	3 3/4
STRAIGHTWAY-Bronze						
3/4"	Sweat 2 Ends	3 1/2	4 3/8	1 7/8	1 3/4	3/4
1"	Sweat 2 Ends	3 3/4	4 3/8	1 7/8	1 7/8	3/4

