

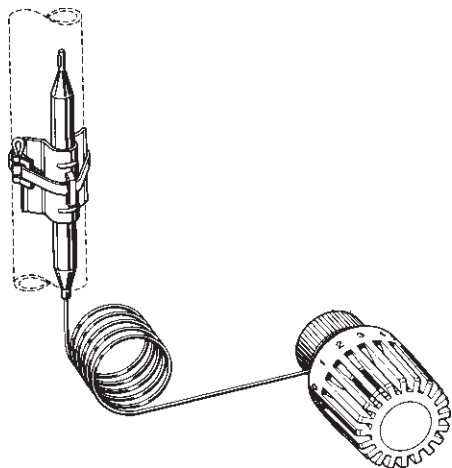
# Heating – Hydronic Radiant Floor Heating Controls.

## T100R; V135 Thermostatic Mixing or Diverting Valves

Allow automatic temperature control in hot water systems for in-floor radiant and other heating units with standard capacity requirements to provide increased comfort.



- Continually monitor and adjust water temperature for consistent comfort and relief from underheating and overheating.
- Controls include set point dial, valve actuator, and remote sensor with capillary tube for surface mount on piping.
- Self-powered control requires no electrical connections.
- Two controls to provide two different temperature range requirements.
- Plastic handle with captive adjustment cover provides manual control of the valve.
- Valve packing, which is made of resilient material (EPDM), ensures tight seal-off against close-off and working pressure.
- Spring-loaded valve cone, which is made of high quality engineered plastic material, ensures tight shutoff on hot water systems.
- Bronze casted body with all working parts in cartridge insert for ease of service.
- Port A closes on temperature rise.



### T100R Specifications:

Attachment Ring Thread : M30 x 1.5  
 Adjustment Ranges (two models) :  
 10 to 50°C [50 to 122°F]  
 30 to 70°C [86 to 158°F]  
 Capillary length : 2 meters

### V135 Specifications:

Maximum Temperature Rating: 120°C [248°F]  
 Maximum System Pressure: 232 psi.  
 Maximum Differential Pressure: 147 psi.  
 Stroke length: 0.08" [2 mm]

### Sizes available and Connections

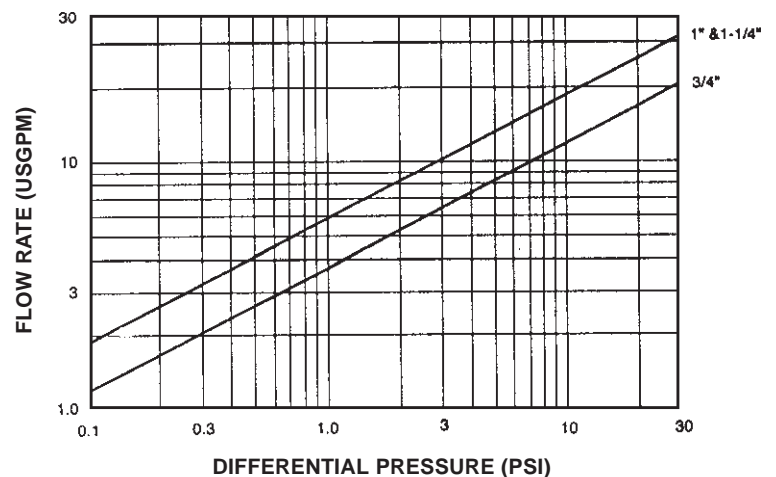
- 3/4" - Sweat union.
- 1" - Sweat union.
- 1-1/4" - NPT threaded union.

### FLOW CAPACITIES

Size (in.)	Cv Factor
3/4	3.7
1	5.8
1-1/4	5.8
1-1/2	11.7

Cv = U.S.GPM at 1 psi differential pressure.

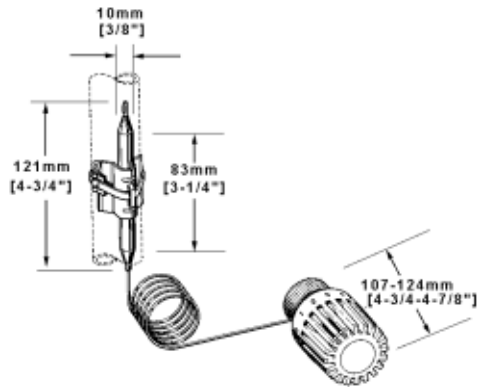
### Capacity Ratings



# Hydronic Radiant Floor Heating Controls

T100R; V135 cont'd

T100R dimensions in inches [mm]



## T100R

Thermostatic control with integral set point valve actuator unit and remote, strap on type sensor which is connected by a capillary tube. It is normally used with the V135 hydronic control valve for mixing or diverting application, or with the V100E or V100D valves for 2 way flow application. Available in 10-50C and 30-7-C temperature ranges.

## V135

3 way mixing or diverting valve suited for in-floor radiant hydronic heating systems. It is normally used with the self powered type T100R thermostatic control.

V135 Valve nominal dimensions in in. [mm]

SIZE (INCHES)	L	H MAX.	h
	NPT Threaded Union		
3/4	5.55 [140]	3.25 [82]	2.80 [70]
1	6.30 [159]	3.25 [82]	3.15 [80]
1-1/4	7.10 [180]	3.25 [82]	3.75 [95]
1-1/2			
Sweat Union			
3/4	5.10 [128]	3.25 [82]	2.55 [64]
1	5.85 [148]	3.25 [82]	2.95 [74]
1-1/4	6.40 [162]	3.25 [82]	3.40 [86]
1-1/2			

