

Thermostatic Radiator Valves and Actuators

V135 Thermostatic Mixing or Diverting Valves



Thermostatic Mixing or Diverting Valves for use in hydronic heating systems as a three-way mixing or diverting valve; controls loop temperature in radiant heating systems.

- Includes plastic handle for manual operation.
- Knurled ring on T100R control head for easy attachment to V135.

Application: Thermostatic mixing/diverting valve for use in hydronic heating systems. Controls loop temperature in radiant heating systems.

Capacity: Standard

Materials (Body): Bronze

Differential Pressure Rating: 17 psi maximum

Pressure Ratings (Steam): 232 psi maximum (1601 kPa)

Temperature Rating: 248 F Maximum (120 C Maximum)

Collar Diameter: 1 3/16 in. (30 mm)

| Product Number | Dimensions, Approximate | | Pipe Size | | Body Pattern | Capacity (Cv) | Connection Type | Used With |
|----------------|---------------------------|----------------|-----------|------|--------------|---------------|-----------------|-----------|
| | inch | mm | inch | DN | | | | |
| V135A1006 | 2 9/16 in. x 5 1/8 in. | 64 mm x 128 mm | 3/4 in. | DN20 | Three-way | 3.7 Cv | Sweat | T100R |
| V135A1014 | 2 15/16 in. x 5 13/16 in. | 74 mm x 148 mm | 1 in. | DN25 | Three-way | 5.8 Cv | Sweat | T100R |
| V135A1022 | 3 3/4 in. x 7 1/8 in. | 95 mm x 180 mm | 1 1/4 in. | DN32 | Three-way | 5.8 Cv | NPT | T100R |
| V135A1048 | 3 3/4 in. x 7 3/8 in. | 95 mm x 188 mm | 1 1/2 in. | DN40 | Three-way | 11.7 Cv | NPT | T100R |
| V135A1063 | 3 3/8 in. x 6 3/8 in. | 86 mm x 162 mm | 1 1/4 in. | DN32 | Three-way | 5.8 Cv | Sweat | T100R |

T100R Thermostatic Mixing or Diverting Valve Actuator



For use in hydronic heating systems with V135 Valves in a three-way mixing or diverting application. Controls loop temperature in radiant heating systems.

- T100R Thermostatic Actuator includes strap-on-pipe sensor.
- Knurled ring on T100R control head for easy attachment to V135.

Application: Three-way mixing and diverting applications in hydronic heating systems requiring remote sensing

Used With Valve: V135

Collar Diameter: 1 3/16 in. (30 mm)

| Product Number | Application Type | Capillary Length | | Temperature Range | | Sensor | Setpoint |
|----------------|---|------------------|-----|-------------------|--------------|--------|----------|
| | | (ft) | (m) | (F) | (C) | | |
| T100R1004 | Thermostatic Radiator Controller for use with V135 valve body for diverting or mixing applications. | 6 ft. 8 in. | 2 m | 50 F to 122 F | 10 C to 50 C | Remote | Remote |
| T100R1012 | Thermostatic Radiator Controller for use with V135 valve body for diverting or mixing applications. | 6 ft. 8 in. | 2 m | 86 F to 158 F | 30 C to 70 C | Remote | Remote |

V135 Thermostatic Mixing or Diverting Valves Replacement Cartridges

| Product Number | Application | Pipe Size (inch) | Description | Used With |
|----------------|-------------------------------|------------------|--|-----------|
| V135A-12VE | Accessory or Replacement Part | 3/4 in.; 1/2 in. | Replacement cartridge for V135A 1/2 in. and 3/4 in. models | V135 |
| V135A-1VE | Accessory or Replacement Part | 1 1/4 in.; 1 in. | Replacement cartridge for V135A 1 in. and 1 1/4 in. models | V135 |