

# 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.

**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)

**Used With:** T100R

### Replacement Parts:

**0900661** Replacement cartridge for V135A 1 in. and 1 1/4 in. models

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

## 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)

### Replacement Parts:

**0900661** Replacement cartridge for V135A 1 in. and 1 1/4 in. models

Product Number	Capillary Length		Temperature Range		Setpoint (Integral or Remote)
	(ft)	(m)	(F)	(C)	
T100R1004	6 ft. 8 in.	2 m	50 F to 122 F	10 C to 50 C	Remote
T100R1012	6 ft. 8 in.	2 m	86 F to 158 F	30 C to 70 C	Remote

## V135 Thermostatic Mixing or Diverting Valves Replacement Cartridges

Product Number	Description	Used With
V135A-12VE	Replacement cartridge for V135A 1/2 in. and 3/4 in. models	V135
V135A-1VE	Replacement cartridge for V135A 1 in. and 1 1/4 in. models	V135
V135A-11/2VE	Replacement cartridge for V135A 1 1/2 in. and 2 in. models	V135