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

	Pipe Size		Capacity		Connection	Dimensions, Approximate		
Product Number	(inch)	DN	Body Pattern	(Cv)	Туре	(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 threeway 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	Capillary Length Temperature Range		ary Length Temperature Range		Setpoint	
Number	(ft)	(m)	(F)		(Integral or Remote)	
T100R1004	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

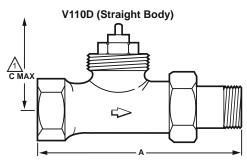
V110 High Capacity Thermostatic Radiator Valves



High Capacity Thermostatic Radiator Valves with T104 Thermostatic Actuators provide precise and automatic control of room temperature in two-pipe systems by modulating the flow of hot water or steam through free-standing radiators, convectors and other heating units with high capacity requirements.

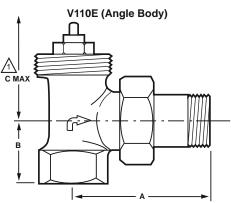
- Designed with the higher capacity normally required by North American heating systems.
- Valve seat disc, which is made of resilient material (EPDM), ensures tight shutoff on steam or hot water systems.
- Nickel-plated bronze casted body with working parts in cartridge insert for ease of service.
- All working parts are replaceable using service tool (MT100C1011) while valve remains in service, in-line, under pressure.
- Valves normally open without control mounted.
- Valves may be used with T104 Thermostatic Actuators.
- Meet ASHRAE Standard 102-1989.

Dimensions in inches (millimeters)



PIPE SIZE	A IN. (MM)	C MAX IN. (MM)
1/2 INCH	3-3/4 (95)	4-3/4 (121)
3/4 INCH	4-1/8 (105)	4-3/4 (121)
1 INCH	4-15/16 (125)	4-3/4 (121)
1-1/4 INCH	5-7/8 (149)	5 (127)

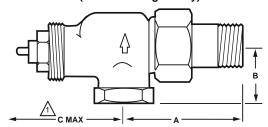
C MAX DIMENSION IS WITH T104 CONTROL INSTALLED. M18959A



PIPE SIZE	A IN. (MM)	B IN. (MM)	C MAX IN. (MM)	
1/2 INCH	2-9/16 (65)	1 (25)	4-3/4 (121)	
3/4 INCH	2-5/8 (67)	1-1/8 (29)	4-3/4 (121)	
1 INCH	3 (76)	1-5/16 (33)	4-3/4 (121)	
1-1/4 INCH	3-5/8 (90)	1-11/16 (43)	5 (127)	

C MAX DIMENSION IS WITH T104 CONTROL INSTALLED. M18960A

V110F (Horizontal Angle Body)



PIPE SIZE	A IN. (MM)	B IN. (MM)	C MAX IN. (MM)	
1/2 INCH	2-1/4 (57)	1 (25)	5-1/8 (130)	
3/4 INCH	2-9/16 (65)	1-1/8 (29)	5-1/4 (133)	
1 INCH	2-15/16 (74)	1-3/16 (30)	5-1/4 (133)	
1-1/4 INCH	3-1/2 (89)	2-3/16 (56)	5-1/4 (133)	

C MAX DIMENSION IS WITH T104 CONTROL INSTALLED. M18961A

Capacity: high

Materials (Body): Nickel Plated Bronze

Differential Pressure Rating: 17 psi maximum

Pressure Ratings (Hot Water): 150 psi maximum (1034 kPa

_maximum

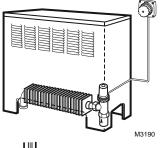
Pressure Ratings (Steam): 15 psi maximum (103 kPa) Temperature Rating: 248 F Maximum (120 C Maximum)

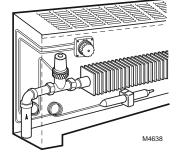
Cartridge Change Tool: Yes - Use MT110C1011

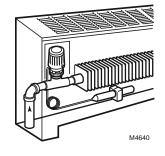
Used With: T104

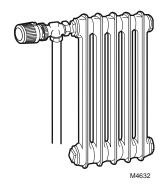
Hydronic Controls

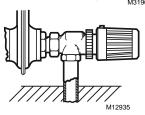
Typical Installations











		Pipe Size)		Capacity		Connection
Product Number	Application	(inch)	DN	Body Pattern	(Cv)	(Btu/hr-steam)	Туре
V110D1000	temperature in two-pipe systems by modulating the flow of hot water or	1/2 in.	DN15	Straight	4.6 Cv	127,000 Btu/hr	Threaded
V110D1008		3/4 in.	DN20	Straight	5.8 Cv	162,000 Btu/hr	Threaded
V110D1016	steam through high capacity heating units.		DN25	Straight	7.0 Cv	193,000 Btu/hr	Threaded
V110D1024	units. 1	1 1/4 in.	DN32	Straight	8 Cv	193,000 Btu/hr	Threaded
V110D5001		1/2 in.	DN15	Straight	4.6 Cv	127,000 Btu/hr	Sweat
V110D5009		3/4 in.	DN20	Straight	5.8 Cv	162,000 Btu/hr	Sweat
V110D5017		1 in.	DN25	Straight	7.0 Cv	193,000 Btu/hr	Sweat
V110E1004	temperature in two-pipe systems by modulating the flow of hot water or steam through high capacity heating units when used with T104	1/2 in.	DN15	Angle	4.6 Cv	127,000 Btu/hr	Threaded
V110E1012		3/4 in.	DN20	Angle	5.8 Cv	162,000 Btu/hr	Threaded
V110E1020		1 in.	DN25	Angle	7.0 Cv	193,000 Btu/hr	Threaded
V110E1028		1 1/4 in.	DN32	Angle	8 Cv	193,000 Btu/hr	Threaded
V110E5005		1/2 in.	DN15	Angle	4.6 Cv	127,000 Btu/hr	Sweat
V110E5013		3/4 in.	DN20	Angle	5.8 Cv	162,000 Btu/hr	Sweat
V110F1002		1/2 in.	DN15	Horizontal Angle	4.6 Cv	127,000 Btu/hr	Threaded
V110F1010		3/4 in.	DN20	Horizontal Angle	5.8 Cv	162,000 Btu/hr	Threaded
V110F1018		1 in.	DN25	Horizontal Angle	7.0 Cv	193,000 Btu/hr	Threaded
V110F1026		1 1/4 in.	DN32	Horizontal Angle	8 Cv	193,000 Btu/hr	Threaded
V110F5003		1/2 in.	DN15	Horizontal Angle	4.6 Cv	127,000 Btu/hr	Sweat
V110F5011		3/4 in.	DN20	Horizontal Angle	5.8 Cv	162,000 Btu/hr	Sweat

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V200; V2000 Series Standard Capacity Thermostatic Radiator Valve Body





V200LD

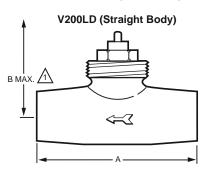




One-Pipe Steam Thermostatic Radiator Valves - Allow automatic temperature control in one-pipe steam or hot water systems for free standing radiators, convectors and other heating units with standard capacity requirements. Provide comfort and energy savings

- Continually monitors and adjusts room temperature for consistent comfort and relief from under-heating and overheating.
- Adjustable balancing cartridge design made from resilient material (EPDM), ensures tight shut-off on steam and hot water systems.
- Nickel plated brass casted body.
- Replaceable cartridge for easy service with service tool.
- Controls include valve body, steam air vent.
- Used with T100 set point and capillary actuators.
- No electrical connection required for non-electric actuators.
- Normally open without control mounted.

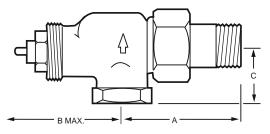
Dimensions in inches (millimeters)



PIPE SIZE	A IN. (MM)	B MAX IN. (MM)
1/2 INCH	2-5/8 (66)	4-1/16 (104)
3/4 INCH	2-15/16 (74)	4-1/16 (104)

B MAX DIMENSION IS WITH T100A CONTROL INSTALLED.

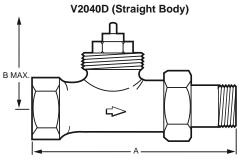
V2040A (Horizontal Angle Body)



PIPE SIZE	A IN. (MM)	B MAX IN. (MM)	C IN. (MM)
1/2 INCH	2-1/8 (54)	4-1/2 (115)	1-1/8 (29)
3/4 INCH	2-1/2 (64)	5-3/16 (132)	1-3/16 (31)
1 INCH	2-15/16 (74)	5-3/16 (132)	1-7/16 (37)

B MAX DIMENSION IS WITH T100A CONTROL INSTALLED.

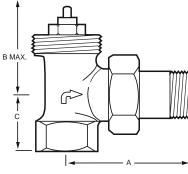
M12932C



PIPE SIZE	A IN. (MM)	B MAX IN. (MM)
1/2 INCH	3-3/4 (95)	4-1/6 (104)
3/4 INCH	4-3/16 (106)	4-1/6 (104)
1 INCH	4-1/2 (114)	4-1/2 (114)

B MAX DIMENSION IS WITH T100A CONTROL INSTALLED.

V2040E (Angle Body)



PIPE SIZE	A IN. (MM)	B MAX IN. (MM)	C IN. (MM)	
1/2 INCH	2-5/16 (58)	3-13/16 (97)	1 (25)	
3/4 INCH	2-5/8 (66)	3-13/16 (97)	1-1/8 (29)	
1 INCH	2-15/16 (74)	4-5/16 (110)	1-5/16 (34)	

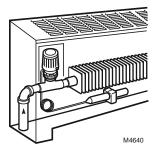
B MAX DIMENSION IS WITH T100A CONTROL INSTALLED.

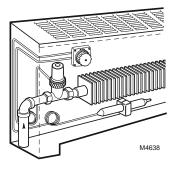
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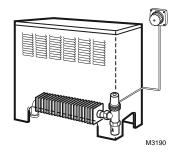
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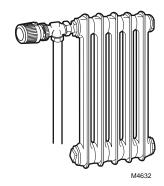
Hydronic Controls

Typical Installations









Capacity: Standard Materials (Body): Nickel Plated Bronze Differential Pressure Rating: With T100 or T200: 15 psi (103 kPa) With MV100: 36 psi (248 kPa) For low noise: 3 psi (20 kPa)

Pressure Ratings (Hot Water): 150 psi maximum

(1034 kPa maximum)

Pressure Ratings (Steam): 15 psi maximum (103 kPa)
Temperature Rating: 248 F Maximum (120 C Maximum)
Cartridge Change Tool: Yes - Use VA8200A001

			Pipe Siz	:e	Outlet	Capacit	ty	
Product Number	Application	Body Pattern	(inch)	DN	Connection Type	(Cv)	(Btu/hr-steam)	Used With
V200LDSL15	installations with copper tubing.	Straight	1/2 in.	DN15	Sweat both ends, no union	2.5 Cv	59,100 Btu/hr	T100
V200LDSL20		Straight	3/4 in.	DN20	Sweat both ends, no union	2.7 Cv	63,800 Btu/hr	T100
V2040ASL15	Replaces most manual valves with minimum piping changes.	Horizontal Angle	1/2 in.	DN15	Threaded	2.5 Cv	59,100 Btu/hr	T100A, M and V controls to conform to horizontal mounting requirements
V2040ASL20		Horizontal Angle	3/4 in.	DN20	Threaded	2.7 Cv	63,800 Btu/hr	T100A, M and V controls to conform to horizontal mounting requirements
V2040ASL25		Horizontal Angle	1 in.	DN25	Threaded	2.7 Cv	70,500 Btu/hr	T100A, M and V controls to conform to horizontal mounting requirements
V2040DSL15	boards and straight runs where manual valves were	Straight	1/2 in.	DN15	Threaded	2.5 Cv	59,100 Btu/hr	_
V2040DSL20		Straight	3/4 in.	DN20	Threaded	2.7 Cv	63,800 Btu/hr	_
V2040DSL25		Straight	1 in.	DN25	Threaded	2.7 Cv	70,500 Btu/hr	_
V2040ESL15	Use where installation space is limited	Angle	1/2 in.	DN15	Threaded	2.5 Cv	59,100 Btu/hr	T100B; T100C; T100F
V2040ESL20		Angle	3/4 in.	DN20	Threaded	2.7 Cv	63,800 Btu/hr	T100B; T100C; T100F
V2040ESL25		Angle	1 in.	DN25	Threaded	2.7 Cv	70,500 Btu/hr	T100B; T100C; T100F
V2043ASL15	Replaces most manual valves with minimum piping changes.	Horizontal Angle	1/2 in.	DN15	Sweat	2.5 Cv	59,100 Btu/hr	T100A, M and V controls to conform to horizontal mounting requirements
V2043ASL20		Horizontal Angle	3/4 in.	DN20	Sweat	2.7 Cv	63,800 Btu/hr	T100A, M and V controls to conform to horizontal mounting requirements
V2043DSL15	For baseboards and other installations with copper tubing.	Straight	1/2 in.	DN15	Sweat both ends, no union	2.5 Cv	59,100 Btu/hr	T100
V2043DSL20	Especially suited for base boards and straight runs where manual valves were not originally installed.	Straight	3/4 in.	DN20	Sweat	2.7 Cv	63,800 Btu/hr	_
V2043ESL15	Use where installation	Angle	1/2 in.	DN15	Sweat	2.5 Cv	59,100 Btu/hr	T100B; T100C; T100F
V2043ESL20	space is limited	Angle	3/4 in.	DN20	Sweat	2.7 Cv	63,800 Btu/hr	T100B; T100C; T100F

Hydronic Contro

Thermostatic Radiator Valves and Actuators

V2000 Series Valve Bodies Cross Reference to V100 Series

Use T100 Actuators With New V2000 Series Valve Bodies

V2000 Series Replacement	V100 Series Product	Product Description
V2040DSL15	V100D 1056	1/2 in. TRV Straight Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040DSL20	V100D 1064	3/4 in. TRV Straight Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040DSL25	V100D 1072	1in. TRV Straight Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2043DSL15	V100D 5057	1/2 in. TRV Straight Body, Female NPT Inlet, Sweat Tailpiece Outlet
V2043DSL20	V100D 5065	3/4 in. TRV Straight Body, Female NPT Inlet, Sweat Tailpiece Outlet
V2040ESL15	V100E 1055	1/2 in. TRV Vertical Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040ESL20	V100E 1063	3/4 in. TRV Vertical Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040ESL25	V100E 1071	1 in. TRV Vertical Body, Female NPT Inlet, Male NPT Tailpiece Outlet
V2043ESL15	V100E 5056	1/2 in. TRV Vertical Body, Female NPT Inlet, Sweat Tailpiece Outlet
V2043ESL20	V100E 5064	3/4 in. TRV Vertical Body, Female NPT Inlet, Sweat Tailpiece Outlet
V2040ASL15	V100F 1054	1/2 in. TRV Horizontal, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040ASL20	V100F 1062	3/4 in. TRV Horizontal, Female NPT Inlet, Male NPT Tailpiece Outlet
V2040ASL25	V100F 1070	1" TRV Horizontal, Female NPT Inlet, Male NPT Tailpiece Outlet
V2043ASL15	V100F 5055	1/2 in. TRV Horizontal Body, Female NPT Inlet, Sweat Tailpiece Outlet
V2043ASL20	V100F 5063	3/4 in. TRV Horizontal Body, Female NPT Inlet, Sweat Tailpiece Outlet
V200LDSL15	V100G 5054	1/2 in. TRV Straight Body, Sweat Inlet, Sweat Outlet No Tailpiece
V200LDSL20	V100G 5062	3/4 in. TRV Straight Body, Sweat Inlet, Sweat Outlet No Tailpiece
V2042HSL10	V100P 1046	1/8 in. TRV (1/2 in. Body With 1/8 in. Adapter) Male NPT Inlet, Female NPT Outlet. One Pipe Steam
V2043HSL10	Y100P 1001	1/8 in. TRV (1/2 in. Body With 1/8 in. Adapter) Male NPT Inlet, Female NPT Outlet. One Pipe Steam Includes SA123A1003
VS1200SL01		Replacement Cartridge New V2000 Series
VA8200A001		Cartridge Service Tool V2000 Series Bodies

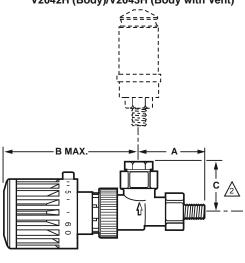
70-6910 **Honeywell** 269

V2042H; V2043H One-pipe Steam Thermostatic Radiator Valve



Dimensions in inches (millimeters)

V2042H (Body)/V2043H (Body with Vent)



PIPE SIZE A IN. (MM)		B MAX IN. (MM)	IN. (MM)	
3/8 INCH	1-11/16 (43)	3-13/16 (97)	1-3/16 (31)	

B MAX DIMENSION IS WITH T100A CONTROL INSTALLED.

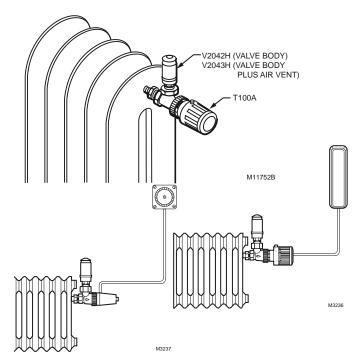
C DIMENSION IS WITHOUT THE STEAM/AIR VENT INSTALLED.

M17016B

One-Pipe Steam Thermostatic Radiator Valves - Allow automatic temperature control in one-pipe steam or hot water systems for free standing radiators, convectors and other heating units with standard capacity requirements. Provide comfort and energy savings.

- Continually monitors and adjusts room temperature for consistent comfort and relief from under-heating and overheating.
- Adjustable balancing cartridge design made from resilient material (EPDM), ensures tight shut-off on steam and hot water systems.
- Nickel plated brass casted body.
 Replaceable cartridge for easy service with service tool.
- Controls include valve body, steam air vent.
- Used with T100 set point and capillary actuators.
- No electrical connection required for non-electric actuators.
- Normally open without control mounted.

Typical Installations



Capacity: Standard

Materials (Body): Nickel Plated Bronze

Differential Pressure Rating:

With T100 or T200: 15 psi (103 kPa) With MV100: 36 psi (248 kPa) For low noise: 3 psi (20 kPa)

Pressure Ratings (Steam): 15 psi maximum (103 kPa) Temperature Rating: 248 F Maximum (120 C Maximum)

Body Pattern: Angle

Cartridge Change Tool: Yes - Use VA8200A001

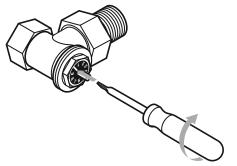
Product Number Application		Pipe Size (inch)	Connection Type	Description	Includes	Used With
	Angle pattern valve body for one pipe steam systems	1/8 in.	Threaded	One-pipe Steam 1/8 in. Radiator valve		T100
	Thermostatic Radiator Valve Pack. Includes V2042HSL10 body plus steam/air vent. Use for one pipe steam applications.	1/8 in.		One Pipe Steam Thermostatic Radiator valve and air vent pack	V2042HSL10 plus steam/air vent	

V2000 Series Thermostatic Radiator Valve Accessories

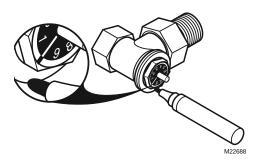


Materials (Body): Bronze Cartridge Change Tool: VA8200A001

V2000 Series Cartridge Balancing Procedure Step 1



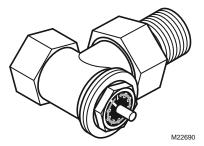
V2000 Series Cartridge Balancing Procedure Step 2



V2000 Series Cartridge Balancing Procedure Step 3



V2000 Series Cartridge Balancing Procedure Step 4





Product Number	Application	Description	Used With
VS1200SL01	Accessory or Replacement Part	Replacement cartridge for NEW V2000 (adjustable cartridge)	T100
		•	-

70-6910 **Honeywell** 271

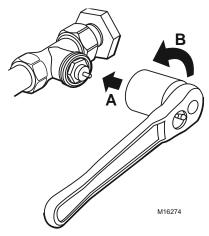
MT100; MT110 Cartridge Changing Tool



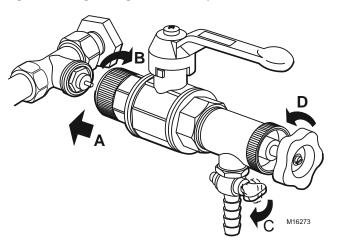
The MT110 Valve Cartridge Changing Tool enables the user to remove, and clean or replace the valve cartridge while the valve remains pressurized. Boiler shutdown is not required.

MT110 for V110 Series valves.

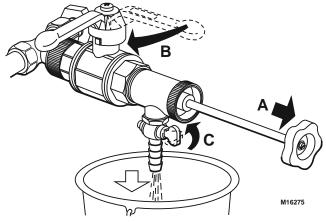
Remove control and loosen valve cartridge slightly.



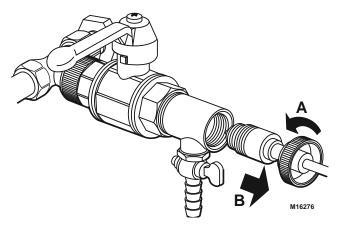
Tighten Cartridge Changer to valve body and close off drain cock.



Open shut-off on drain cock, removing excess water and steam from chamber.



Unscrew end cap and remove cartridge from chamber. Clean or replace cartridge.



Product Number	Application Type	Description	Comments	Used With
MT100L1023	Tool to remove T100M tamper resistant direct mount control from valve body.	Actuator Removal Tool	_	V100
MT110C1011	Cartridge changing tool, in service, in line, under pressure for V110 series valve.	Cartridge Changing Tool for in-line service of V110 valves		V100
MT110D1019	Socket to remove or replace cartridges on V110D, E, F series valves; use in combination with MT110C1011 for pre-loosening and final tightening of cartridge. Fits 3/8 in. socket driver.	Cartridge Changing tool	For CA110C Cartridge	_

Thermostatic Valve Accessories

Product Number	Description	Used With			
CA100B1008	CA100B1008 Replacement cartridge for old style V100 (metal cartridge body)				
CA110C1007	CA110C1007 Replacement Cartridge for V110				

Hydronic Controls

Thermostatic Radiator Valves and Actuators

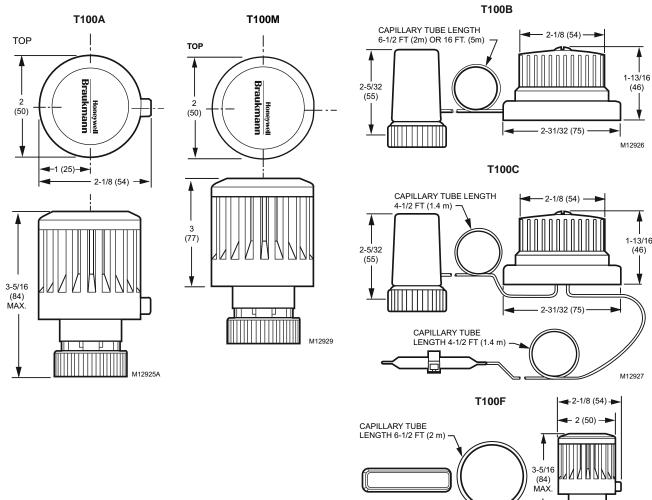
T100 Standard Capacity Thermostatic Radiator Actuators



Allow automatic temperature control in two-pipe steam or hot water systems for free standing radiators, convectors, and other heating units with standard capacity requirements. Provide comfort and energy savings at affordable prices.

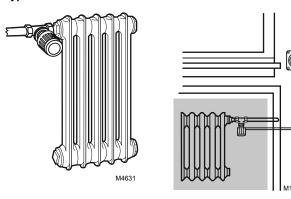
- Continually monitor and adjust room temperature for consistent comfort and relief from under-heating and overheating.
- Valve seat disc, which is made of resilient material (EPDM), ensures tight shutoff on steam or hot water systems.
- Nickel-plated brass casted body with working parts in cartridge insert for ease of service.
- Controls include sensor, setpoint dial and valve actuator; components may be integral or connected by capillary tubes.
 Require no electrical connections.
- All working parts are replaceable using service tool (MT100C1016) while valve remains in service, in-line, under pressure.
- Valves normally open without control mounted.
- Valves may also be used with MV100 Electric Zone Valve Actuator.

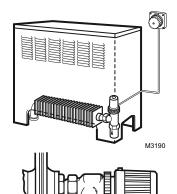
Dimensions in inches (millimeters)

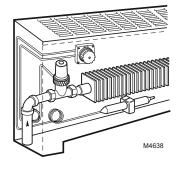


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Typical Installations







Application: Standard Capacity Thermostatic Radiator Actuator Used With Valve: V100, V2000 Collar Diameter: 1 3/16 in. (30 mm)

		Capillary Length		Temperature Range		Sensor (Integral or	Setpoint (Integral or		Used
Product Number	Application Type	(ft)	(m)	(F)	(C)	Remote)	Remote)	Comments	With
T1002W0NA	A self-contained control with sensor, setpoint dial and valve actuator in one unit. Mounts horizontal. Not for use inside enclosures or where airflow around sensor is restricted. Adjustable limits.	_	_	43 F to 79 F	6 C to 26 C	Integral	Integral	Adjustable Limits	V100, V2000
T100B1035	A control with combined remote setpoint and sensor mounted on wall. Connected by a capillary tube to an actuator, which is mounted on the valve body.	6 1/2 ft	2 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V100, V2000
T100B1043		16 ft.	5 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V100, V2000
T100C1026	A control with remote setpoint and sensor mounted with setpoint dial on outside of heating cabinet; sensor mounted beneath heating coils in cold air return. Dual capillary.	Two 4 1/2 ft.	Two 1.4 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V100, V2000
T100F1395	A control with remote temperature sensing and integral set point. Adjustable limits.	6 ft. 8 in.	2 m	43 F to 79 F	6 C to 26 C	Integral	Integral	Adjustable Limits	V100, V2000
T100M2056	A self-contained control with sensor, setpoint dial and actuator in one unit. Use where increased durability, tamper resistance and limited adjustment range are desired. Horizontal mount. Locks onto valve body. Not for enclosures.		_	43 F to 79 F	6 C to 26 C	Integral	Integral	Tamper Resistant, Adjustable Limits	V100, V2000

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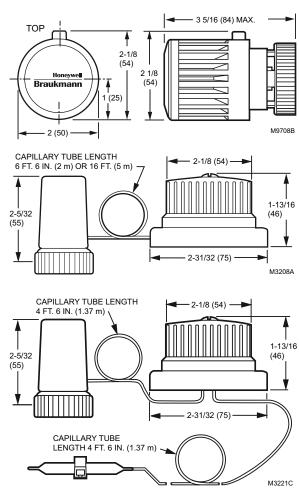
T104 High Capacity Thermostatic Radiator Valve Actuators

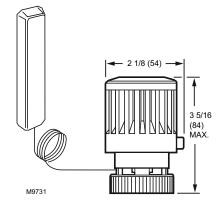


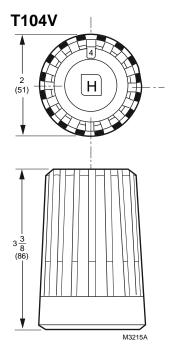
Provide precise and automatic control of room temperature in twopipe systems by modulating the flow of hot water or steam through free-standing radiators, convectors and other heating units with high capacity requirements.

- Continually monitor and adjust room temperature for consistent comfort and relief from under-heating and overheating.
- Designed with the higher capacity normally required by North American heating systems.
- Valve seat disc, which is made of resilient material (EPDM), ensures tight shutoff on steam or hot water systems.
- Nickel-plated bronze casted body with working parts in cartridge insert for ease of service.
- Controls include sensor, setpoint dial and valve actuator; components may be integral or connected by capillary tubes.
- Require no electrical connections.
- Meet ASHRAE Standard 102-1989.
- · 40 mm collar diameter.

Dimensions in inches (millimeters)







70-6910 **Honeywell** 275

Application: High Capacity Thermostatic Radiator Actuator **Used With Valve:** V110

Collar Diameter: 1 19/32 in. (40 mm)

		Capillary Length		Temperature Range		Sensor (Integral or	Setpoint (Integral or		
Product Number	Application Type	(ft)	(m)	(F)	(C)	Remote)	Remote)	Comments	Used With
T104A1040	Self-contained controller with sensor, setpoint dial and valve actuator in one unit. Adjustable limits. Mount horizontal. Not for use inside enclosures or in locations with restricted airflow around sensor. For V110 valves.	_	_	43 F to 79 F	6 C to 26 C	Integral	Integral	Adjustable Limits	V110
T104B1038	Controller with combined remote setpoint and sensor mounted on a wall. Setpoint/sensor connect with a capillary tube to an actuator, which mounts on the valve body. For V110 valves.	6 ft. 8 in.	2 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V110
T104B1046		16 ft.	4.9 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V110
T104C1036	Controller with remote setpoint and sensor normally mounted with setpoint dial mounted on outside cabinet or enclosure; sensor mounted beneath heating coils in cold air return. Double capillaries. For V110 valves.	Two 4 1/2 ft.	Two 1.4 m	48 F to 79 F	9 C to 26 C	Remote	Remote	_	V110
T104F1512	Thermostatic radiator valve controller for use with V110 series valves. With remote temperature sensing and integral set point. Adjustable limits.	6 ft. 8 in.	2 m	43 F to 79 F	6 C to 26 C	Remote	Integral	Adjustable Limits	V110
T104V1422	Self-contained controller with sensor, setpoint dial and valve actuator in one unit. Locks to valve body. Rugged design. Adjustable setpoint under locking cap. Factory set at 68 F (20 C). Mounts horizontal. Not for use in enclosures. For V110 valves.	_	_	43 F to 79 F	6 C to 26 C	Integral	Integral	Vandal Proof	V110

T104 Thermostatic Radiator Valves Parts and Accessories

Product Number	Product Number Description			
G111B1053	T104F; T104C			
P110V1003	Replacement Locking Ring for T104V1422 only (package of 5)	T104V1422		