

WATER HEATING

110 DOMESTIC, COMMERCIAL AND RECREATIONAL VEHICLE WATER HEATER THERMOSTAT UNI-KITS®

The Robertshaw 110 Series gas water heater valves were first manufactured for the O.E.M. market in 1955. For the last 40 years, the 110 series has been the definitive gas water heater valve. Over the years, minor product improvements were incorporated, but the valves have remained basically the same.

In 1995 Robertshaw introduced the new 220R Series gas water heater valve. The new 220R Series will mount and operate in the same manner as the original 110 Series. The 220R features simplified pilot lighting and easy-to-adjust gas pressure regulator. Uni-Line will be changing over to the 220R on a running basis. The Uni-Line part number will remain the same, only the gas valve will be different.

The 110 Series Water Heater Thermostat Uni-Kit® and Commercial Water Heater Thermostat Uni-Kit® were designed for universal replacement applications. All models feature built-in, non-cycling Energy Cut-Off (ECO) system to shut off all gas to the water heater in case of excessive water temperatures. If an ECO has detected an over-temperature condition and has opened, the control will not function and a new replacement will be required. All domestic and RV models have a 160°F temperature high stop. All commercial models have a 180°F temperature high stop. All models have a 5-1/2" sensing element and vary by inlet and outlet size, shank length, regulator type and setting. See ordering chart for exact specifications.



NOTE: REPLACEMENT SAFETY MAGNETS NOT AVAILABLE.

CAUTION: When replacing a non-regulated control there must be a functioning in-line regulator to control the gas pressure to that control.

BTU CAPACITY: 110-501 35,000 BTU/L.P.
Example 110-202 45,000 BTU/NAT.

ORDERING DATA

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE	OUTLET SIZE	SHANK LENGTH	PRESSURE REGULATOR SETTING
110 (R110R) TOTAL REGULATION DOMESTIC UNI-KITS - 160°F (RIGHT HAND THREADS)					
110-202	220RTSP	1/2" PIPE	1/2" INV. FLARE†	1-3/8"	4.0" W.C. NAT. GAS
110-206	R110RTSP*			2-3/8"	3.5" W.C. NAT. GAS.
110-203	R110RCTS-PC*			1-1/4"	FOR MOBILE HOME USE ONLY CONVERTIBLE LP/NAT REGULATOR
110-204	R110RCTS-PC*			1-3/8"	
110-326	R110RTS*				3.5" W.C. NAT. GAS
110 (R103RV) RECREATIONAL VEHICLE - LOW CAPACITY (RIGHT HAND THREADS)					
110-501✓	R103RVTSLPPA	3/8" INV. FLARE	3/8" PIPE	1-5/8"	11" W.C. L.P. GAS
110-502✓	R103RVTSLPP	1/2" PIPE†	1/2" INV. FLARE†	1-3/8"	
110-503✓	R103RVTSLPPA		3/8" PIPE	1-1/4"	
110-504✓	R103RVTSLPPA	3/8" INV. FLARE	3/8" INV. FLARE		
110-505✓	R103RVTSLPPA		3/8" PIPE		
110-506✓	R103RVTSPL★	1/2" INV. FLARE	1/2" INV. FLARE†		
110-507✓	R103RVTSPL★	3/8" INV. FLARE	3/8" INV. FLARE	1-3/8"	
110-508✓	R103RVTSLPPA	3/8" PIPE	3/8" PIPE	1-1/2"	
110-509□✓	R103RVTSPL★	3/8" INV. FLARE	3/8" INV. FLARE	1-3/8"	
110-510✓	R103RVTSPL★	1/2" PIPE	1/2" INV. FLARE	1-1/2"	
110 (R110RTS8P) COMMERCIAL UNI-KIT - 180°F (RIGHT HAND THREADS)					
110-353	R110RTS8P	1/2" PIPE	1/2" INV. FLARE†	1-1/2"	3.5" W.C. NAT. GAS

□ Has special pointer style knob for limited clearance applications. † Includes 3/8" NPT Reducer Bushing.
★ Has pilot adjustment key * Factory model could be 220R Series ✓ Obsolete - available to stock on hand.

CANADIAN MODELS

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE	OUTLET SIZE	SHANK LENGTH	PRESSURE REGULATOR SETTING
110 (R110R) TOTAL REGULATION DOMESTIC UNI-KITS - 160°F (RIGHT HAND THREADS)					
110-C309	R110RP*	1/2" PIPE	1/2" INV. FLARE	1-1/2"	3.5" W.C. NAT. GAS
110-C319	R110RP-LP*				10.0" W.C. L.P. GAS

* Factory model could be 220R Series