

American Steam Control

Division of Walsh Controls, Inc.

SAMPLE SPECIFICATION THERMOSTATIC RADIATOR VALVES

Self-contained thermostatic radiator valve shall be of nickel plated brass body construction and shall be rated at 150 psig water @ 250 °F and at 15 psi for saturated steam. Valves shall have single union end on outlet of valve body and shall have NPT or solder end tailpieces available.

Valve insert shall be removable and shall be able to be replaced without removing the valve body from the pipeline and while the system is under pressure by use of a special tool provided by the valve manufacturer. For hot water service, the valve insert shall have stainless steel stem, brass seat, and EPDM disc (**ASC # TRV-40**). For steam service, the inserts shall have stainless steel stem, seat, and disc (**ASC # TRV -30**).

(Valve inserts for "**FAIL CLOSED**" operation shall be as described above for water and steam service. However, the valve inserts for hot water service shall have a 5% bleed port to prevent radiator from freezing. Water service **ASC # TRV - 20**; steam service **ASC # TRV - 10**).

Valve operator housings shall be constructed of high quality fiberglass reinforced plastic. Sensor element shall be liquid filled. Controls shall be available in direct mount and wall mount types and with optional remote sensing bulbs. Controls shall be of tamperproof design and shall have a smooth, round collar nut with recessed, hardened steel set screw so as to prevent removal of control without use of proper tools. Knurled or hex type collar nuts are not acceptable. Temperature settings shall be capable of being reset or limited, in the field, without the use of set pins or external limiting of dial. All settings shall be internal to the control housing.

Valves and controls shall be manufactured by American Steam Control, Division of Walsh Controls, Inc., Pittsburgh, PA.

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