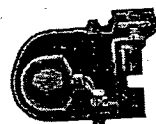
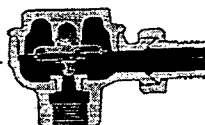


No. 1E Radiator Trap

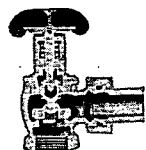
Type TH1-A Thermostatic Trap



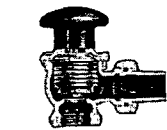
Series 30 Float and Thermostatic Traps



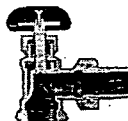
Types OB and OBS Bucket Traps



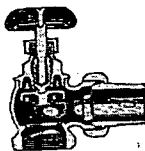
No. 740 Radiator Valve



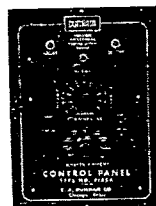
Type 1140 Radiator Valve



No. 400 Radiator Valve



No. 600 Radiator Valve



Electronic Control Panel

RADIATOR TRAPS—For all types of low pressure steam heating systems. Body and cover of cast bronze, disc of Monel metal. Available in 6 patterns. Capacities from 200 to 700 EDR.

THERMOSTATIC TRAPS—Trap has cast brass body and cover; replaceable stainless steel valve and seat; disc of Monel metal. For 5 to 100 lb working pressures. Capacities from 125 to 4,500 lb of condensate per hour.

FLOAT AND THERMOSTATIC TRAPS—Use as drip trap for steam mains, unit heaters, heat exchangers. Float, copper; float valve and seat, Monel metal. Up to 15 psi gauge working pressure. Sizes: $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 in. with capacities from 100 to 5,750 lb of condensate per hour.

INVERTED BUCKET TRAP—Body and cover of high tensile iron castings. Valve and seat (renewable and interchangeable) are specially hardened, corrosion-resistant steel. Operating pressures 20 to 150 lb gauge. Sizes $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{4}$ in. Capacities from 220 to 5,600 lb of condensate per hour.

SPRING PACKED VALVES—For low-pressure systems up to 15 lb. Heavy coil spring keeps packing tight around valve stem. Body and bonnet, cast brass. Sizes: $\frac{1}{2}$ to 2 in. in 4 body patterns.

PACKLESS VALVES—Packless construction (no packing spring or stuffing box) provides tight permanent seal. Sizes: $\frac{1}{2}$ to $1\frac{1}{2}$ in. in 4 body patterns.

HOT WATER VALVES—For hot water heating systems with pressure to 60 lb. Cast brass body. Packing nut, one-piece asbestos ring provides tight stem seal. Sizes: $\frac{1}{2}$ to 2 in.

PACKED STEM VALVES—For low-pressure steam systems and hot water systems up to 60 lb. Cast brass body and bonnet. Sizes: $\frac{1}{2}$ to 2 in.

DUNHAM HEATING SYSTEMS

VARI-VAC® DIFFERENTIAL VARI-VAC HEATING saves up to 40 per cent on fuel because VARI-VAC automatically provides the exact amount of heat needed by using a continuous flow of sub-atmospheric steam at temperatures that vary with the weather.

METRO® single-riser method of piping, costs less to install and maintain. Provides continuous path for flow of steam from top to bottom of building. Continuous pipe runs down through overlying rooms and is offset into each room into convectors or baseboard radiation.



DUNHAM CIRCULATORS

Standard and high head capacity models for all water heating or cooling systems. Single spring motor coupling. Special brand name motor with built-in overload protection. Extra-large oil reservoir. Field replaceable seals.

FLOW CONTROL VALVES

Completely automatic. No adjustment for winter-summer operation. Easy to clean without breaking pipe connections or removing valve mechanism. Angle pattern: 1 to $2\frac{1}{2}$ in. incl. Horizontal pattern: 1 to 3 in. incl.

AIR SEPARATORS

Automatically remove air from forced hot water heating system. One-piece construction. Positively prevents re-entry of air into system. 30 psi working pressure. Sizes: $\frac{3}{4}$ to $2\frac{1}{2}$ in. incl.

FLOW DIVERTOR FITTINGS

Assure proper water flow through all radiation. Only one fitting normally needed (on return) for each unit of radiation. Size (thread to thread): 1 in. x $\frac{1}{2}$ in. to 2 in. x 1 in. incl.; (sweat to sweat): $\frac{3}{4}$ in. x $\frac{1}{2}$ in. to 1 in. x $\frac{3}{4}$ in. incl.

RELIEF AND REDUCING VALVES

Pressure Relief Valves have extra-large diaphragm area, non-stick design. Factory set at 30 lb. Pressure Reducing Valves have built-in strainer. Factory set 12 lb. Adjustable. Combination Relief and Reducing Valves available.

CIRCULATOR VALVES

Extra-large flow area reduces water resistance and circulator load. T-type handle operates in only $\frac{1}{4}$ turn. Straightway and angle patterns; thread or sweat; full range of sizes; 60 psi working pressure.

BALANCING ELBOWS AND FITTINGS

Extra-large flow area. Unique sloping seat provides V-shaped opening for accurate balancing from full open to any degree of closure. Thread or sweat. Complete line includes vent tees, union elbows, connectors.

AUTOMATIC AIR VENTS

Expansion Type Vents need no adjustment. Manual venting for rapid air removal when system is first filled. 50 lb. working pressure. Float Type Vent has built-in siphon to prevent water-logging. 35 lb. working pressure.

VARI-FLOW® CONTROLS

Fully automatic indoor-outdoor temperature controls for all types of hot water heating systems. No seasonal adjustment needed. Immersion bulb and capillary "wrap-around" types.

DISTRIBUTOR HEADS

For radiant panel and "spaghetti" type hot water heating. Same $1\frac{1}{4}$ in. copper head usable for supply or return, both $\frac{1}{2}$ and $\frac{3}{8}$ in. tube connections. Each length has 14 pairs of connections.

C. A. Dunham Company manufactures a complete line of quality heating equipment. For catalogs and literature write: Dept. HVAC-56 C. A. Dunham Company, 400 W. Madison Street, Chicago 6, Ill., or see your local Dunham Sales Engineer.