

C. A. Dunham Company

Administrative and General Offices

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TORONTO 4, 1523 DAVENPORT ROAD. LONDON, MORDEN ROAD, S.W.19

THE DUNHAM DIFFERENTIAL HEATING SYSTEM

The Dunham Differential Heating System, circulating sub-atmospheric steam, maintains desirable temperatures throughout a building by automatic control of both steam temperature and steam volume.

The system is a simple two-pipe system in which all the essentials of circulation, distribution and control are co-ordinated. Control of the temperature of the steam is accomplished by controlling the pressure or vacuum of the steam in the supply piping and radiators to balance exactly the heat input with building-heat-loss.

THE DUNHAM "Victory Line"

VAPOR AND VACUUM HEATING SPECIALTIES

DUNHAM "VICTORY" RADIATOR TRAP

For Operating Pressures Up to 15 Lbs. Gage

Cast iron body and cap. Thermostatic element is phosphor bronze. Valve and valve seat are cuprous alloys. Thermostatic elements are interchangeable in covers without gages. "Victory Line" covers and disc assemblies are interchangeable with standard traps.

Connections are female left-hand threaded inlet and female right-hand threaded outlet.

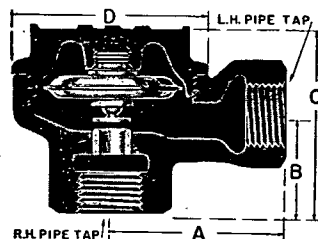


Fig. 3395

Type No.	Size In.	Patt. No.	Tapping In.	Cap. Sq Ft EDR	Net Wgt. Lbs.	Dimensions in Inches			
						A	B	C	D
V1A	1/2	AP	1/2	200	1 1/2	2 1/4	1 1/4	2 3/4	2 3/4
V2B	3/4	AP	3/4	400	2 1/2	2 3/4	1 3/4	2 3/4	3 1/4
V3A	1	AP	1	700	2 3/4	2 3/4	1 3/4	2 3/4	3 3/4

DUNHAM "VICTORY" RADIATOR VALVE (SPRING PACKED)

Non-rising handle and low bonnet. The body and bonnet are cast iron, handle is non-breakable, heat resisting composition. Other construction features: Quick opening with less than one turn of handle; heat-resisting graphited asbestos ring with metal core. Held under compression by heavy coil spring to maintain tight seal around valve stem; ball joint insures perfect seating when valve is closed on rounded valve seat; high quality renewable composition disc.

Made in 3/4 and 1-in. sizes angle pattern only with tapped right-hand female inlet, left-hand female outlet.

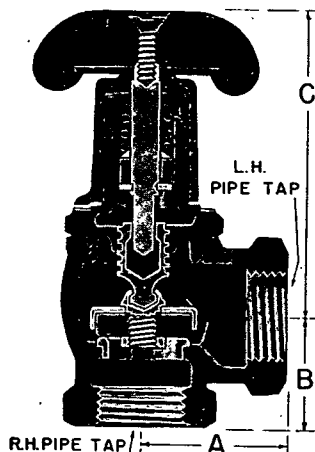


Fig. 3394

Type No.	Size Inches	Dimensions in Inches			Net Weight in Lbs.
		A	B	C	
V740	3/4	1 1/8	1 1/4	3 3/4	1 1/4
V740	1	1 1/8	1 1/4	3 3/4	2 1/8

DUNHAM PUMPS

Tested and Rated with A.S.H.V.E. Code and Code of Vacuum Return Line Heating Pump Manufacturers' Section of Hydraulic Institute.

Vacuum Pumps

Types DV and DVD—Capable of maintaining whole systems under vacuums as high as 25 in. Built in 9 sizes. Capacities 2500 to 65,000 sq ft EDR.

Types VR and VRD—Meets all code tests for air and simultaneous air and water handling capacities. No moving parts or close clearances in exhaust unit. Built in 9 sizes. Capacities 2500 to 65,000 sq ft EDR.

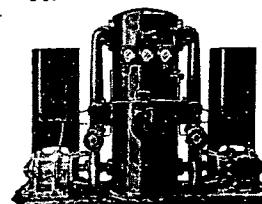
Condensation Pumps

Pump and motor assembled on rigid cast iron base. Bronze fitted centrifugal pump has non-corrosive shaft. Enclosed type Impeller. Liberal size ball bearings.

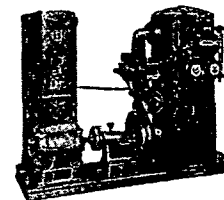
Type CH-Model B, Single and Duplex—Capacities 2000 to 50,000 sq ft EDR; 60 cycle d.c. or a.c. 1750 rpm; 25 or 50 cycle a.c., 1450 rpm.

Type CHH-Model B, Single and Duplex—Capacities same as type CH. Discharge pressures 20 lb for pumps 15,000 sq ft and larger; 20, 30, 40, 50 and 70 lb discharge in all sizes. 60 cycle d.c. or a.c. 3450 rpm; 25 or 50 cycle a.c., 2850 rpm.

Type CV—Capacities 2000, 4000, 6000, 8000, 10,000, 15,000, 20,000 and 25,000 sq ft EDR; and discharge pressures 10 to 50 lb. Motor shaft through cover in liberal size packing gland eliminates possibility of moisture rising into motor float mechanism. Also packless type.



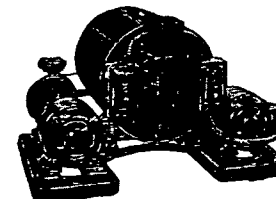
Types DV and VRD



Types VR and DV



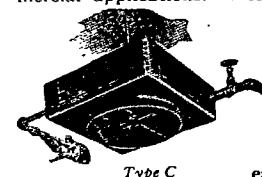
Type CH, Model B, shown. Type CHH, Model B, similar to CH, Model B, available in both Single and Duplex.



Type CV.

DUNHAM UNIT HEATERS

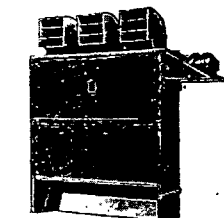
Type C—A specially designed unit heater for industrial and commercial applications. Designed for discharging large volumes of heated air downward to working levels, distributing heat evenly over large areas. Built in various sizes up to 2000 sq ft EDR. Four types of diffusers.



Type C

Type R—Blower type unit for industrial and commercial applications. Available in standard sizes, each with various combinations of Btu and cfm output. Floor, wall and suspended types, with and without by-pass or mixing dampers. All sizes and types—belt drive only.

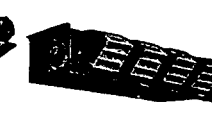
Type V—Horizontal propeller fan type. Built in various sizes up to 1200 sq ft EDR.



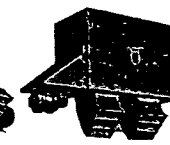
Type R—With Mixing Damper



Type R—Wall Type



Type R—Ceiling Type



Type R—Inverted Wall Type