

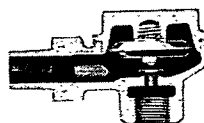
DUNHAM HEATING SPECIALTIES

Traps

Low Pressure Thermostatic Traps

For all types of low pressure steam heating systems up to 15 lb gage. Dunham design assures freedom from clogging; thorough draining of radiators by gravity; minimum wear on parts.

Body and cover of cast bronze; disc of Monel metal. Round, slightly raised valve seat minimizes depositing of incrustations.



Cross Section,
Nos. 1C, 2E, and
3C Thermostatic
Traps

Standard 15 Lb to 15 in. Vacuum	Pattern	Tapping	*Cap. Sq Ft EDR
Size No.			
1 C	AP SW RH LH VS	3/4"	200
2 E	AP SW	3/4"	400
3 C	AP	1"	700

* Ratings are based on 1/4 lb condensation per sq ft of EDR per hour and a 1 1/2 lb pressure differential.

Float and Thermostatic Traps

Operating Pressures up to 15 psi gage. Especially adaptable for service as a drip-trap for dripping ends of steam mains, unit heaters and all types of heat exchangers. Capable of handling large amounts of air and water. Float is made of copper. Float valve and seat are Monel metal. Body can be removed for inspection of working parts without disturbing piping connections. Sizes: 1/2 in., 1 in., 1 1/2 in., and 2 in.; respective capacities: 800, 2000, 4800, 9600 and 20,000 EDR at 1/2 lb condensate per sq ft per hr with 2 lb pressure differential. Series 31 closed float traps available in same capacities.



Type OB and OBS Inverted
Bucket Steam
Traps

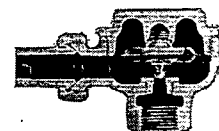
Inverted Bucket Traps

Type OBS—for operating pressures up to 150 lb. Sizes: 1/2 and 1 in.

Type OB—for operating pressures up to 150 lb. Sizes: 1/2 to 1 1/2 in. inclusive.

For venting air and draining water from high pressure steam lines, heat exchangers, sterilizers and processing equipment. These traps increase heat transmission efficiency and hold equipment capacity to a maximum.

Body and cover of high tensile iron castings. Valve and seat (renewable and interchangeable) are special hardened, corrosion-resistant steel. Sheet copper bucket.



Cross section,
Type TH-1-A
Thermostatic
Steam Trap

CAPACITY POUNDS CONDENSATE
PER HOUR

SIZE	Tap- ping	Working Pressure Lbs per Sq In. Gage				Net Wgt Lbs
		5	25	50	100	
TH1A	1/2"	125	355	560	840	2
TH2A	3/4"	195	565	880	1300	2 1/2
TH3A	1"	290	790	1200	1780	3



Series 30 Float and Thermostatic
Traps

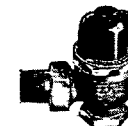
DUNHAM HEATING SPECIALTIES

Valves

"Oriflex" Valves

Self-contained, adjustable orifice valves, packless bellows-type for proportioning steam supply to each radiator. Unique "handle movement" eliminates graduated opening or closing.

Valve need not be disconnected to make adjustments. Merely remove handle, insert key on adjustment stem and turn to set orifice at desired setting. Sizes: 1/2 and 3/4 in.



"Oriflex" Valves,
Type 175

Spring Packed
Radiator Valves,
Type 140

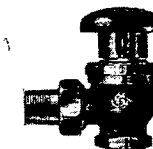


Spring Packed Valves

Designed for low pressure steam heating services. Body is brass casting, rough finish. Heavily constructed brass union nuts and nipples. Non-rising stem. Valve opens fully on less than one turn—dial shows direction and amount of opening. Heavy spring keeps constant pressure on special graphite asbestos composition packing to maintain tight seal around valve stem. Sizes: 1/2 to 2 in. inclusive.

Packless Valves

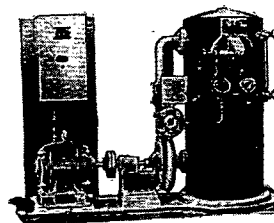
For all types of low pressure steam heating systems. Body and bonnet are brass casting, rough finish. Heavily constructed brass union nuts and nipples. Tinned phosphor-bronze bellows sealing member gives maximum resilience and wear; prevents leakage; keeps steam, water and dirt from clogging and corroding spindle nut and screw. Non-rising stem. Heat resistant composition handle. Sizes: 1/2 to 1 1/2 in. inclusive. Packed type radiator valves also available for steam and hot water systems.



Cross-section, Type 1140
Packless Valves

Dunham Pumps

Vacuum Pumps



Vacuum Pump, Type VR

These pumps efficiently maintain desired vacuum range on return lines and deliver water of condensation direct to low pressure boiler. Each pump has own control panel wired through to motor. Selector switch on panel permits pump to operate on fully automatic, continuous, or float control. Type VR Pumps are furnished as single or duplex units with separate accumulator tank to handle low returns. Type VRD Pumps are Duplex units complete with integral accumulator tank on a single bed-plate. VRDA Duplex pumps with separate accumulator tank are also available.

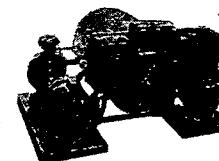
Made in nine sizes from 2500 to 65,000 EDR. Pumps built for 20 lb discharge pressure; also for 30, 40, 50 or higher pressures according to requirements.

Condensation Pumps

A complete, compact assembly that automatically returns water of condensation to boilers from gravity systems or steam process equipment. 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 C, Single and Duplex—capacities 2000 to 50,000 sq ft EDR; 60 cycle a-c or d-c, 1750 rpm 25 or 50 cycle a-c, 1450 rpm.

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



Duplex Unit,
Type CH (CHH)