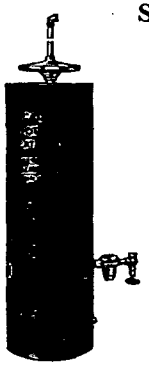
The Beaton & Cadwell Mfg. Company

Main Office and Factory: **New Britain, Conn.**

CADWELL No. 45 UNIT FOR HOT WATER HEATING SYSTEMS



A complete unit—nothing else to buy.

A departure from the conventional type of equipment as used with tank in basement systems.

To keep the expansion pressure in the system within practical working limits even under sudden firing methods, as in oil burners.

Providing means for elastic pressure distribution within the system.

Keeping the system filled to any desired pressure, against increase of pressure above relief setting.

All of this is achieved in a novel manner.

The combined pressure governing and relief feature—which is new:

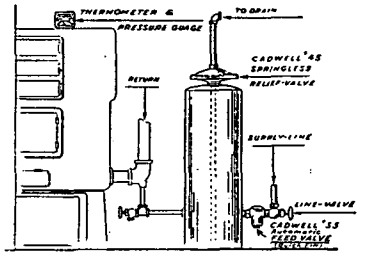
1. Has no springs.
2. Is governed entirely by physical laws.
3. Cannot increase setting at any time.
4. It tests itself automatically as long as there is any water in system.
5. It is responsive to the slightest difference of pressure within the system.
6. Absolutely guaranteed to protect the boiler, against increase of pressure above relief setting.

The filling arrangement is automatic and can be varied in pressure from 5 to 20 lb by adjusting screw.

A large strainer prevents foreign matter from entering system. The strainer, valve disc and seat can be cleaned at any time without losing water out of system.

Valve and tank supplied in Maroon color. May be used in connection with any circulator system.

Layout shows simplicity of installation.



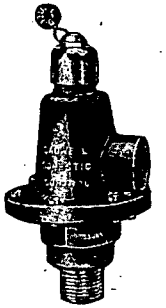
CADWELL PRESSURE AND TEMPERATURE RELIEF VALVE—Self Closing



Cadwell No. 25 Relief Valve

Cadwell No. 25 Pressure and Temperature Relief valve. Opening and closing governed entirely by internal pressure—not by heavy springs—no sticking valve seats; only slight drop in pressure required to close valve, leak proof. Set to maximum temperature of 210 F, or on special order, supplied with temperature relief manually adjustable to lower temperatures.

Valve readily tested by pressing cap on top of valve—same operation also clears valve seat of sediment accumulation. Construction of valve with split base allows valve seat to be inspected, cleaned or renewed without changing setting.



Cadwell No. 35 Pressure and Vacuum Relief Valve

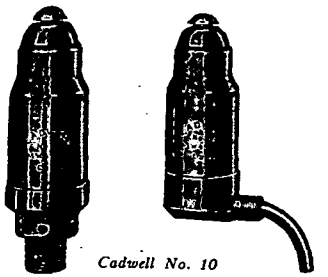
Cadwell No. 35 Pressure and Vacuum Relief Valve is similar to valve No. 25 except it does not have the temperature relief feature. Standard No. 35 valve is set and sealed to 150 lb maximum water pressure—other pressures if required. If desired, this valve can be supplied with pressure relief manually adjustable to lower pressures. Valve tested for pressure and seat cleared of sediment by pressing cap on top of valve.

Cadwell No. 35-F Pressure, Vacuum and Temperature Relief Valve is similar to No. 35 except it has a fusible-plug temperature relief—not self-closing; fusible plug must be renewed after each temperature relief action.

Cadwell relief and pressure valves 25, 35 and 35 F have A.G.A. approval.

Complete catalog sent upon request.

CADWELL THERMOSTATIC AIR VALVES FOR ONE PIPE STEAM AND VACUUM SYSTEMS

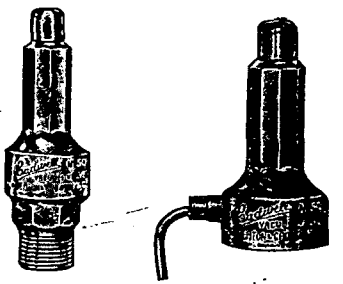


Cadwell No. 10

Bottom Outlet ⅛ and ¼-in. and ¾ x ⅜-in. sizes *Angle Type*

Cadwell No. 10 positive action for radiators, non-vacuum, our best all metal syphon air valve now available in either the non-adjustable or adjustable type.

Cadwell 10 S.S. same as No. 10 except straight shank for venting return lines, etc.



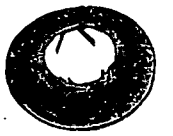
Cadwell No. 50

Bottom Outlet ¼-in. and ¾ x ⅜-in. sizes *Angle Type*

No. 50 Diaphragm operated vacuum air valve, closes efficiently against the escape of steam or vacuum. Large closing surface of diaphragm, through nickel silver pin forces check off seat with every close of main valve by steam or vacuum, positively preventing sticking of valve. Equalizes the system—port can be increased in size to take care of distant or sluggish radiators.

Nickel silver pins are used in all Cadwell air valves to prevent corrosion.

"PERFECTION" FLOOR AND CEILING PLATES



No. 1



No. 3A

No. 1—Sectional floor and ceiling plate. Cast iron or Brass—1 in. flange—sizes ⅛ in. to 12 in.

No. 2—Same as No. 1 with set screw instead of springs.

No. 3—Hinged floor and ceiling plate. Cast iron or Brass—1 in. flange—sizes ⅜ in. to 4 in.

No. 3A—Same as No. 3, with set screw—sizes ¼ in. to 4 in.

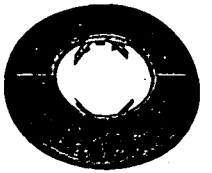
No. 3 S.—Solid floor and ceiling plate, cast iron or brass. 1 in. Flange with or without set screw—sizes ⅛ in. to 8 in.

No. 6—Sectional floor and ceiling plate cast iron or brass—1 in. flange—with set screw. 1¼ in. high—size ½ in. to 4 in.

No. 6A—Solid floor plate cast iron or brass—size ¼ to 5 in.—with or without set screw.

No. 7—Same as No. 1—But with 1½ in. flange. Size ½ in. to 4 in.

No. 9—Same as No. 1 but with 2 in. flange—size ½ in. to 4 in.



No. 10 Hinged



No. 6A

No. 10—The original No. 10—Perfection—1 in. flange—size ¼ in. to 6 in. Can be furnished in grained oak finish.

No. 11—Same as No. 10 but with set screw.

Note:—No 10 type Copper Service Tube Plates—¼ in. to 3 in. tube sizes.

All plates can be furnished in plain, nickel or chromium plated finishes, as specified.

Complete Catalog Upon Request