

## The Dole Valve Company

1923-1933 Carroll Avenue  
Chicago, Ill.

Manufacturers of a Complete Line of High Grade Packless Radiator Valves and Automatic Air Valves

### Packless Radiator Valves

Dole Packless Radiator Valves are made in a large variety of suitable patterns to meet all requirements of any kind of Steam or Hot Water Heating System. All patterns embody same construction, the design only being changed to conform to the required pattern.

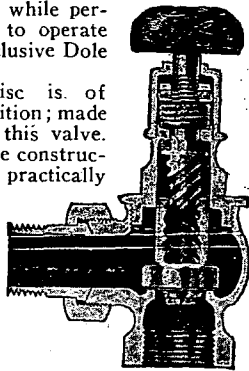
Wood knob handle, finely finished; no metal to come into contact with hand.

Stem in one piece; shoulder under packless disc is part of stem, and shoulder above disc is part of bonnet. Stem does not rise or lower; seat disc holder only rising and lowering on double spiral thread when stem rotates, its free working permitting coming to a positive seat when closed. This feature also prevents grease and dirt being carried through.

Spring is case tempered and carries tension of 75 to 100 pounds when compressed in valve. Spring rests on top of bonnet shoulder, held in place by lock nut on top of ball bearing feature. This continually pulls seat on stem against packless disc, which, together with small seating lip on upper and lower shoulders that imbeds itself in packless disc, insures tightness, preventing leakage of air, steam or water. Spring casing of high grade brass finely machined.

Ball bearing feature, consisting of iron steel balls set between specially hardened bronze, allows high tension in spring while permitting valve to operate freely—an exclusive Dole feature.

Packless disc is of special composition; made expressly for this valve. Owing to valve construction there is practically no wear on disc, as is proved by discs which have been in operation for 16 years with no apparent wear or deterioration.



Dole Angle Valve With Union  
All Patterns of Dole Packless Valves Are  
Constructed on this Basic Principle.

Discs are specially made according to different formulas for steam or hot water so that it is necessary to specify type of system when ordering.

Bonnet is extra heavy metal with very strong hexagon, allowing plenty of metal where wrench is used.

General construction comprises highest grade brass and bronze metals. Every valve seated and tested on 80 to 90 pounds steam pressure. Roughing-in dimensions as nearly standard as compatible with present variations of different manufacturers. Packless disc, spring and ball bearing features are standard on all patterns and interchangeable.

### Right and Left Hand Corner Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$3.45 | 1 1/4" | \$6.95 |
| 3/4" | 4.25   | 1 1/2" | 8.95   |
| 1"   | 5.15   | 2"     | 14.25  |

### Graduated or Modulating Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$4.15 | 1 1/4" | \$7.40 |
| 3/4" | 4.80   | 1 1/2" | 9.10   |
| 1"   | 5.75   | 2"     | 14.10  |

### Wood Wheel Straight-Way Gate Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$3.40 | 1 1/4" | \$6.75 |
| 3/4" | 4.05   | 1 1/2" | 8.25   |
| 1"   | 5.30   | 2"     | 11.90  |

### Angle Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$3.15 | 1 1/4" | \$6.25 |
| 3/4" | 3.90   | 1 1/2" | 8.15   |
| 1"   | 4.70   | 2"     | 13.00  |

### Globe Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$3.15 | 1 1/4" | \$6.25 |
| 3/4" | 3.90   | 1 1/2" | 8.15   |
| 1"   | 4.70   | 2"     | 13.00  |

| Wood Wheel Gate Valve With Union |        |        |         |
|----------------------------------|--------|--------|---------|
| 3/4"                             | \$4.45 | 1 1/4" | \$7.40  |
| 1"                               | 5.80   | 1 1/2" | 9.00    |
| 2"                               |        |        | \$13.00 |

### Lock Shield Valve With Union

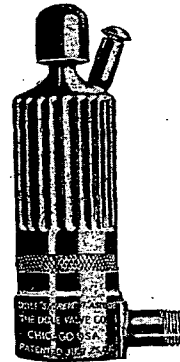
Same list as Wood Wheel Valves, but add 5% to net prices. Keys, 30 cents each, net.

### Graduated Lock Shield Valve With Union

|      |        |        |        |
|------|--------|--------|--------|
| 1/2" | \$4.15 | 1 1/4" | \$7.40 |
| 3/4" | 4.80   | 1 1/2" | 9.10   |
| 1"   | 5.75   | 2"     | 14.10  |

Keys, 30c each, net.

## The Dole Valve Company



Shure-Vent Air Valves  
List Price, Each  
\$2.00

The Dole Shure-Vent Air Valve is an efficient automatic air valve in which has been overcome the possibility of interrupted action through accumulation of dirt, rust and corrosion, or the occasional annoying stoppage known as water-logging.

Float contains a specified amount of what is commonly known as expansion liquid. When air is expelled and steam approaches the heat vaporizes liquid. This expansion presses down diaphragm in bottom of float and closes valve. Water flooding into valve raises the float and also closes valve. The cooling of liquid reduces pressure on diaphragm and opens valve. Similarly, the draining of water also opens valve. This thermostatic and mechanical action is simple, positive and thoroughly automatic.

Water-logging, caused by a vacuum at top of valve holding water in valve, is overcome by the Dole emergency push button. Pressing down this button, and releasing immediately, will break the vacuum and drain the water. No removal or adjustment of valve or parts necessary.

Every valve properly sealed, adjusted and tested before leaving factory and each valve is guaranteed for the life of the heating system.



Sectional View

### The Twelve Superior Features of Shure-Vent Air Valves

1—Double Cap arrangement which forces downward all air escaping from inner cap. This arrangement overcomes the reasons for the usual dust streak on wall above.

2—Seating Screw projects down into the chamber of valve far enough to form a guard which prevents dirt and flake working into the valve seat.

3—Seating Pin extends well up in the screw which forms a guide that insures a positive closing seat.

4—The Float made of light but strong annealed brass—rising when water enters the valve and positively prevents flood.

5—Inner Chamber of float contains exactly the proper amount of expansion liquid which expands and forms a gas the instant steam comes in contact with it—float rises and valve is closed tightly.

6—Finely Drawn Brass Shell, closely corrugated to form free passage of air and give natural drain for water.

7—Expansion Diaphragm is made of special spring bronze. Its convex shape permits the float to drop the exact distance necessary for free expulsion of air from the system while cold. The instant the air is expelled steam strikes the float. The heat then converts the liquid into a gas that expands this diaphragm forcing the pin at the top against the seat thus positively sealing the outlet against the escape of steam.

8—Float Rest of drawn brass, shaped and soldered into the base to form a perfect rest for the float yet giving free passage for draining water back into radiator—the bottom being aligned with inlet to the valve insuring complete drainage of the valve.

9—Heavy Drawn Brass Base threaded on the inside to which the outer shell is screwed and soldered. This arrangement makes a positive non-leakable connection of the utmost durability.

10—Push Button threaded and brazed to seat stem of the hand vent—impossible to remove or get out of adjustment.

11—The Hand Vent. Should water logging ever occur with a Dole Valve the owner or tenant merely pushes the button—and adjusts his own complaint, has abundant heat and is always satisfied. The vent seat is held firmly in place by a bronze spring of permanent tension precluding all possibility of leakage. This hand vent feature alone is sufficient reason for using the Dole Shure-Vent Valve.

12—Heavy Brass Nipple of Inlet securely brazed to the base and threaded with true cut standard one-eighth inch, iron pipe thread which conforms to the established standard tap on all makes of radiators.