Outstanding Features

• Proven design
• High efficiency in relieving air from steam and hydronic systems
• Use of only corrosion resistant material
• Reduces burner firing time and saves money
• Positive shut-off
• Wide variety of connection sizes
• Decorative plated finish

Quality Air Valves for:

• Tube Radiators
• Convectors
• Pipe coils
• Ceiling radiators
• Short mains and drips
• Long mains
• Unit heaters
• Baseboard heaters

Dole - Tunstall Air Valves
For Steam and Hydronic Heating Systems

W. R. Wallin & Associates; Representing Leading Manufacturers Supplying the Mechanical Trades for over 60 years.
**Air Valves**

**Application Charts**

**Steam Systems**

<table>
<thead>
<tr>
<th></th>
<th>System Balancing Valves</th>
<th>General Purpose</th>
<th>Quick Vents for Mains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Model</td>
<td>1P 11P 31P 33P 35P 90-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Pressure - PSI</td>
<td>15 15 15 15 15 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube Radiator</td>
<td>X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Convector</td>
<td>X X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe Coil</td>
<td>X X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceiling Radiator</td>
<td>X X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Mains and Drips</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Long Mains</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**Hot Water Systems**

<table>
<thead>
<tr>
<th></th>
<th>Float Vents</th>
<th>Coin Vents</th>
<th>Key Vents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Model</td>
<td>700P 9P 14A</td>
<td>10P 14</td>
<td></td>
</tr>
<tr>
<td>Maximum Pressure - PSI</td>
<td>35 150 150</td>
<td>150 150</td>
<td>150 150</td>
</tr>
<tr>
<td>Radiator</td>
<td>X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Convector</td>
<td>X X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseboards</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mains</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Points</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Heaters</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**For Automatically Fired Gravity Steam Systems**

**Vari-Vent 1P**

**No.1P Vari-Vent**
Adjustable to balance steam distribution, 1/8” angle connection for radiators. Individually boxed. Net shipping weight 4 oz, each.

These valves are designed to quickly vent automatically fired steam systems where pressures are consistently maintained below 2 PSI. They are very effective at pressures below 1 PSI where optimum fuel savings can be realized. The radiator valves can be adjustable, simplifying the balance of heat to each zone.

**Note:** Pressure is not always the only consideration. If pressure reducing valves are used, super heated steam results which may have a higher temperature than the valves can withstand. Under NO circumstances should any air valve be exposed to temperatures exceeding the saturation temperature for the system pressure.
Air Valves

For General Use on Gravity Steam Systems

Tunstall Economy Line

No.11P Angle Valve
For radiators, 1/8” angle connection. Individually boxed. Net shipping weight 2 oz, each.

No.31P 1/8”, 33P 1/4”
For convectors, pipe coils, etc. Individually boxed. Net shipping weight 4 oz, each.

No.35P 3/4”
For convectors, pipe coils, etc. 1/4” male x 1/2” female. Individually boxed. Net shipping weight 4 oz, each.

This is our economy line. They are good general purpose valves that can be used in systems that require in excess of 2 PSI. This occurs sometimes in larger installations with exceptionally long runs. We recommend setting the pressure controls for an “OFF” setting of 5 PSI maximum and an “ON” setting of 2 PSI. It is imperative that this low point be reached in each firing cycle. The 1933 series is also recommended for hand fired installations. They also have a special construction to minimize “spitting”.

Model 80 and 85 Tamper-Resistant Steam Vents

Available in -4, -5, -6, -C and -D vent rates.
- Accurate bi-metallic actuator
- Internal float for positive water shut-off
- Polished nickel finish
- Nine tamper-resistant models available for one pipe system
- Economically priced

Model 80
1/8” Male Angle
Steam Vent

Model 85
1/8” Straight Shank
Steam Vent

Model No. Valves For Radiators Vent Port
80-4 Near the thermostat. .040” D
80-5 Near Boiler or in warm rooms. First floor. .070” D
85-5
80-6 Far from boiler or cold rooms. Second floor. .0935” D
85-6
80-C Farthest from boiler or coldest rooms. Third floor. .1285” D
85-C
80-C Having especially long branches or very big units with large amounts of air. .185” D
85-C

No. 90-1 Vents for Mains

Model 90-1
Main vent for mains, 3/4” male x 1/2” female connection. Individually boxed. Net shipping weight 6.5 oz. each.
No. 75P and 700P Automatic Float Vents

No. 75P Float Vent
75 PSI maximum pressure. For convectors, mains and risers. The No. 75 is a float type vent for hot water use only and has a 1/4” copper drain connection at the top of the valve, 3/4” male x 1/2” female connection. Individually boxed. Net shipping weight 13 oz. each.

No. 700P Float Vent
35 PSI maximum pressure. For convectors, baseboard radiators, mains and risers in hot or chilled water systems. 1/8” male connection. 1/4” copper drain connection. Individually boxed. Net shipping weight 4 oz. each.

No. 9P, 10P, 14 and 14A Manual Vents

No. 9P Coin Valve
1/8” NPT connection. Packed 24 per box. Net shipping weight 0.6 oz. each.

No. 10P Key Valve
1/8” NPT connection. Packed 24 per box with (4) #10-4P keys. Net shipping weight 0.6 oz. each.

No. 14 Key Air Valve Assembly
Vent outlet is outside of enclosure. Tubing 20” long x 3/16” OD, 1/8” NPT connection. Packed 12 per box with (2) #10-4P keys, 144 per master shipping carton. Net shipping weight 4 oz. each.

No. 14A Coin Air Valve Assembly
Vent outlet is outside of enclosure. Tubing 20” long x 3/16” OD, 1/8” NPT connection. Packed 12 per box, 144 per master shipping carton. Net shipping weight 4.3 oz. each.

Dole - Tunstall replacement guide

<table>
<thead>
<tr>
<th>DOLE #</th>
<th>TUNSTALL #</th>
<th>Connection Size/Description</th>
<th>Steam (S) or Hot Water (HW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>1P</td>
<td>1/8” M Angle, Adjustable</td>
<td>S</td>
</tr>
<tr>
<td>9</td>
<td>9P</td>
<td>1/8” M Coin Valve</td>
<td>HW</td>
</tr>
<tr>
<td>10</td>
<td>10P</td>
<td>1/8” M Key Valve</td>
<td>HW</td>
</tr>
<tr>
<td>10-4</td>
<td>10-4P</td>
<td>Key for #10</td>
<td>HW</td>
</tr>
<tr>
<td>1933 - Angle</td>
<td>11P</td>
<td>1/8” M Angle</td>
<td>S</td>
</tr>
<tr>
<td>1933 - 1/8</td>
<td>31P</td>
<td>1/8” M Straight</td>
<td>S</td>
</tr>
<tr>
<td>1933 - 1/4</td>
<td>33P</td>
<td>1/4” M Straight</td>
<td>S</td>
</tr>
<tr>
<td>1933 - 1/4</td>
<td>35P</td>
<td>3/4” M x 1/2” F Straight</td>
<td>S</td>
</tr>
<tr>
<td>3C</td>
<td>75P</td>
<td>3/4” x 1/2” Vent for Main</td>
<td>S</td>
</tr>
<tr>
<td>2000</td>
<td>700P</td>
<td>1/8” M Straight, Hydronic Float Vent</td>
<td>HW</td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>1/8” M Key Air Valve Assembly, 20” x 3/16” Tubing</td>
<td>HW</td>
</tr>
<tr>
<td>14A</td>
<td>14A</td>
<td>1/8” M Coin Air Valve Assembly, 20” x 3/16” Tubing</td>
<td>HW</td>
</tr>
</tbody>
</table>

W. R. Wallin & Associates Inc
Phone: 630.469.8480
Fax: 630.469.8490
sales@wallinassociates.com

www.wallinassociates.com

July 2017