Dole® Air Valves
For Steam and Hydronic Heating Systems

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
Air Valves
Application Charts

Steam Systems

<table>
<thead>
<tr>
<th>Valve Model</th>
<th>System Balancing Valves</th>
<th>General Purpose</th>
<th>Quick Vents for Mains</th>
<th>Disc Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1A 1B 80 85 1933 1933 1933 1933</td>
<td></td>
<td>4 5 55 90-1 20JR 20SR</td>
<td></td>
</tr>
<tr>
<td>Maximum Pressure - PSI</td>
<td>15 15 15 15 15 15 15 15</td>
<td>15 15 35 15 30 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube Radiator</td>
<td>X X X</td>
<td>X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Convector</td>
<td>X X</td>
<td>X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe Coil</td>
<td>X X</td>
<td>X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceiling Radiator</td>
<td>X X X X</td>
<td>X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Mains and Drips</td>
<td>X X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long Mains</td>
<td>X X X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Unit Heaters</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large Unit Heaters</td>
<td>X X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hot Water Systems

<table>
<thead>
<tr>
<th>Valve Model</th>
<th>Float Vents</th>
<th>Disc Type</th>
<th>Coin Vents</th>
<th>Key Vents</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000 75 20JR 20SR 9 9B 14A 10 14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Pressure - PSI</td>
<td>35 35 30 30 150 150 150 150 150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiator</td>
<td>X X X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Convector</td>
<td>X X</td>
<td>X X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseboards</td>
<td>X X</td>
<td>X X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mains</td>
<td>X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Points</td>
<td>X X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Heaters</td>
<td>X X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For Automatically Fired Gravity Steam Systems

No. 1A, 1B, and Super 1933 Valves

No. 1A Vari-Vent

No. 1B Vari-Vent
Similar to the 1A, but has straight shank, 3/4" male x 1/8" female connection. Individually boxed. Net shipping weight, 6 oz. ea.

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 are 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 valves be exposed to temperatures exceeding the saturation temperature for the system pressure.
Air Valves
For General Use on Gravity Steam Systems

Series 1933 Economy Line

No. 1933 Angle Valve
For radiators, ⅛" angle connection. Individually boxed. Net shipping weight 2 oz. each.

No. 1933½", 1933¼" Straight Shank Valve
For convectors, pipe coils, etc. Individually boxed. Net shipping weight 4 oz. each.

No. 1933¾" Straight Shank Valve
For convectors, pipe coils, etc. ¼" male x ½" female. Individually boxed. Net shipping weight 5 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 installation. 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
⅛" Male Angle Steam Vent

Model 85
⅛" Straight Shank Steam Vent

<table>
<thead>
<tr>
<th>Model No. Valves</th>
<th>For Radiators</th>
<th>Vent Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-4</td>
<td>Near the thermostat</td>
<td>.040&quot;D</td>
</tr>
<tr>
<td>80-5</td>
<td>Near boiler or in warm rooms</td>
<td>.070&quot;D</td>
</tr>
<tr>
<td>85-5</td>
<td>First floor</td>
<td>.0935&quot;D</td>
</tr>
<tr>
<td>80-6</td>
<td>Far from boiler or cold rooms.</td>
<td>.1255&quot;D</td>
</tr>
<tr>
<td>85-6</td>
<td>Second floor</td>
<td>.1285&quot;D</td>
</tr>
<tr>
<td>80-C</td>
<td>Farthest from boiler or</td>
<td>.185&quot;D</td>
</tr>
<tr>
<td>85-C</td>
<td>coldest rooms. Third floor</td>
<td></td>
</tr>
<tr>
<td>80-D</td>
<td>Having especially long</td>
<td></td>
</tr>
<tr>
<td>85-D</td>
<td>branches or very big units</td>
<td></td>
</tr>
<tr>
<td></td>
<td>with large amounts of air</td>
<td></td>
</tr>
</tbody>
</table>

No. 4, 5, 55 and 90-1 Vents for Mains

No. 4 Quick Vent
For mains. Does not close against water, ¾" male x ½" female connection. Individually boxed. Net shipping weight 5 oz. each.

No. 5 Quick Vent
For mains, ⅜" male x ½" female connection. Individually boxed. Net shipping weight 13 oz. each.

No. 55 Quick Vent
For unit heater. Maximum pressure 35 lbs., ¾" male x ½" female connection. Individually boxed. Net shipping weight 12 oz. each.

No. 55 will operate up to 35 PSI. It is used primarily in unit heater systems which are especially designed for this pressure and normally do not depend on gravity return.

Model 90-1
Main vent for mains, ⅜" male x ½" female connection. Individually boxed. Net shipping weight 6.5 oz. each.
A WORD ABOUT THIS BROCHURE: Siebe Appliance Controls reserves the right to make changes at any time, without notice, in materials, specifications, model and prices. Check with your Dole distributor or representative for the latest information. See price list for additional packaging information.

No. 20JR and 20SR Automatic Hygroscopic Valves

No. 20JR Disc Type Air Valve
For radiators and convectors. Provision for manual or automatic venting. 1/4" connection. Maximum pressure 30 PSI. Packed 6 per box. Net shipping weight 1.2 oz. each.

No. 20SR Disc Type Air Valve
For radiators or convectors. Provision for manual shut-off, manual and automatic venting. 1/4" connection. Maximum pressure 30 PSI. Packed 6 per box. Net shipping weight 1.6 oz. each.

The 20JR and 20SR allow air to escape until water or steam reaches the valve, causing the fibre to expand and close off the valve.

No. 75 and 2000 Automatic Float Vents

No. 75 Float Vent
75 PSI maximum pressure. For convectors, mains, 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, 1/4" male x 1/2" female connection. Individually boxed. Net shipping weight 13 oz. each.

No. 2000 Float Vent
35 PSI maximum pressure. For convectors, baseboard radiators, mains, risers in hot or chilled water systems. 1/4" male connection. 1/4" copper drain connection. Individually boxed. Net shipping weight 4 oz. each.

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

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

No. 9B Special Coin Valve
For baseboard radiators. 1/8" NPT connection. Packed 24 per box. Net shipping weight 0.5 oz. each.

No. 10 Key Valve
1/8" NPT connection. Packed 24 per box. Net shipping weight 0.6 oz. each.

No. 14 Key Air Valve Assembly
Vent outlet is outside of enclosure. Tubing 20" long x 3/8" OD, 1/4" NPT connection. Packed 12 per box with two 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 3/8" OD, 1/4" NPT connection. Packed 12 per box. 144 per master shipping carton. Net shipping weight 4.3 oz. each

Siebe Appliance Controls
Global technology ... local solutions.

For product information contact:

Laundry and Specialty Systems Division
191 East North Avenue
Card Stream, Illinois 60188
United States of America

Telephone +1 800 332 4643
Facsimile +1 630 260 7315

A Siebe Group Company