



## Siebe Appliance Controls

# 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

Valve Model	System Balancing Valves					General Purpose			Quick Vents for Mains				Disc Type	
	1A	1B	80	85	1933	1933 -1/8	1933 -1/4	1933 -3/4	4	5	55	90-1	20JR	20SR
Maximum Pressure - PSI	15	15	15	15	15	15	15	15	15	15	35	15	30	30
Tube Radiator	X		X		X								X	X
Convactor		X		X		X	X	X						
Pipe Coil		X		X		X	X	X						
Ceiling Radiator	X	X	X	X	X	X	X	X					X	X
Short Mains and Drips									X	X	X	X		
Long Mains									X	X	X	X		
Small Unit Heaters											X			
Large Unit Heaters										X	X			

### Hot Water Systems

Valve Model	Float Vents		Disc Type		Coin Vents			Key Vents	
	2000	75	20JR	20SR	9	9B	14A	10	14
Maximum Pressure - PSI	35	35	30	30	150	150	150	150	150
Radiator			X	X	X			X	
Convactor	X	X	X	X			X		X
Baseboards	X	X	X	X		X			
Mains	X	X							
High Points	X	X							
Unit Heaters	X	X							

## For Automatically Fired Gravity Steam Systems

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



#### No. 1A Vari-Vent

Adjustable to balance steam distribution, 1/8" angle connection for radiators. Individually boxed. Net shipping weight, 4 oz. ea.



#### No. 1B Vari-Vent

Similar to the 1A, but has straight shank, 3/4" male x 1/2" 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,  $\frac{1}{8}$ "  
angle connection.  
Individually boxed.  
Net shipping weight  
2 oz. each.



**No. 1933 $\frac{1}{8}$ "**, **1933 $\frac{1}{4}$ "  
Straight Shank Valve**  
For convectors, pipe coils,  
etc. Individually boxed. Net  
shipping weight 4 oz. each.



**No. 1933 $\frac{3}{4}$ "  
Straight Shank  
Valve**  
For convectors, pipe  
coils, etc.  $\frac{1}{4}$ " male  
 $\times$   $\frac{1}{2}$ " 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**  
 $\frac{1}{8}$ " Male Angle  
Steam Vent



**Model 85**  
 $\frac{1}{8}$ " 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	.070"D.
85-5		First floor	
80-6		Far from boiler or cold rooms.	.0935"D.
85-6		Second floor	
80-C		Farthest from boiler or coldest rooms. Third floor	.1285"D.
85-C			
80-D		Having especially long branches or very big units with large amounts of air.	.185" D.
85-D			

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



**No. 4 Quick Vent**  
For mains. Does not close  
against water,  $\frac{3}{4}$ " male  $\times$   $\frac{1}{2}$ "  
female connection. Individually  
boxed. Net shipping weight 5 oz.  
each.



**No. 55 Quick Vent**  
For unit heater. Maximum  
pressure 35 lbs.,  $\frac{3}{4}$ " male  $\times$   
 $\frac{1}{2}$ " female connection.  
Individually boxed. Net  
shipping weight 12 oz. each.



**Model 90-1**  
Main vent for mains,  $\frac{3}{4}$ "  
male  $\times$   $\frac{1}{2}$ " female  
connection. Individually  
boxed. Net shipping weight  
6.5 oz. each.



**No. 5 Quick Vent**  
For mains,  $\frac{3}{4}$ " male  $\times$   $\frac{1}{2}$ " female  
connection. Individually boxed.  
Net shipping weight 13 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.*



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.  $\frac{1}{8}$ " 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.  $\frac{1}{8}$ " 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  $\frac{1}{4}$ " copper drain connection at the top of the valve,  $\frac{1}{4}$ " male x  $\frac{1}{2}$ " 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.  $\frac{1}{8}$ " male connection.  $\frac{1}{4}$ " copper drain connection. Individually boxed. Net shipping weight 4 oz. each

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



### No. 9 Coin Valve

$\frac{1}{8}$ " NPT connection. Packed 24 per box. Net shipping weight 0.6 oz. each.



### No. 9B Special Coin Valve

For baseboard radiators.  $\frac{1}{8}$ " NPT connection. Packed 24 per box. Net shipping weight 0.5 oz. each.



### No. 10 Key Valve

$\frac{1}{8}$ " 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  $\frac{3}{16}$ " OD,  $\frac{1}{8}$ " 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  $\frac{3}{16}$ " OD,  $\frac{1}{8}$ " NPT connection. Packed 12 per box, 144 per master shipping carton. Net shipping weight 4.3 oz. each

**Siebe Appliance Controls**  
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