

# Dole - Tunstall 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



**Dole 1933 Angle / Tunstall 11P**  
(Photo actual size)

# Air Valves

## Application Charts

### Steam Systems

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

### Hot Water Systems

Valve Model	Float Vents	Coin Vents		Key Vents	
	700P	9P	14A	10P	14
<b>Maximum Pressure - PSI</b>	<b>35</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>
Radiator		X		X	
Convactor	X		X		X
Baseboards	X				
Mains	X				
High Points	X				
Unit Heaters	X				

## 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.*

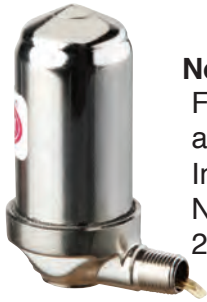
**Note:** Pressure is not always the only consideration. If pressure reducing valves are used, super heated steam results which may have a higher temperature than the valves can withstand. Under NO circumstances should any air valve be exposed to temperatures exceeding the saturation temperature for 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.	.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	.1285" D
85-C	coldest rooms. Third floor.	
80-C	Having especially long branches	.185" D
85-C	or very big units with large amounts of air.	

## 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. 10-4P Key



### 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

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

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