

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
Maximum Pressure - PSI	15	15	15	15	15	15
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
Maximum Pressure - PSI	35	150	150	150	150
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 metallic actuator
- Inertia for positive water shut-off
- Polished finish
- Tamper-resistant models available for one pipe system
- Economical

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-D	Having especially long branches	.185" D
85-D	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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