



## Balanced Pressure Thermostatic Air Vent T202

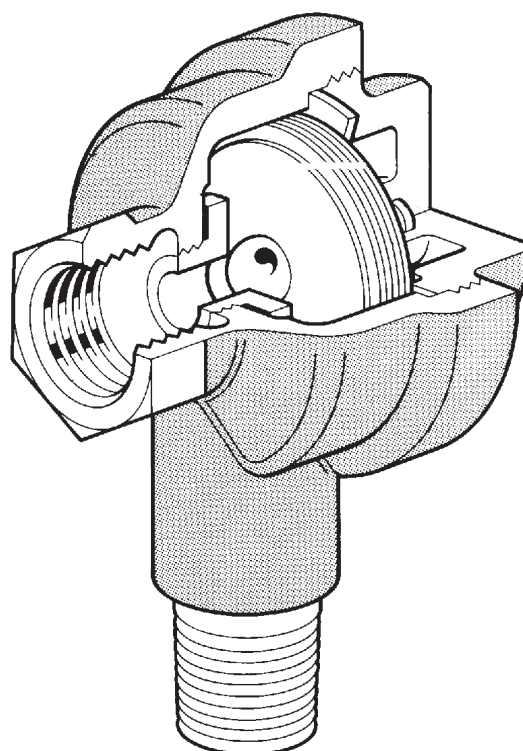
### Description

The T202 air vent is designed for use on steam systems to remove air and other non-condensable gases, which may impair heat transfer during start-up and normal operation.

<b>Model</b>	T202
<b>PMO</b>	125 psi g
<b>Sizes</b>	3/8" x 1/4"
<b>Connections</b>	NPT
<b>Construction</b>	Brass Body with Stainless Steel Internals

### Limiting operating conditions

PMO	Maximum operating pressure	125 psi g (8.6 bar g)
	Maximum operating temperature	Saturated Steam Temperature



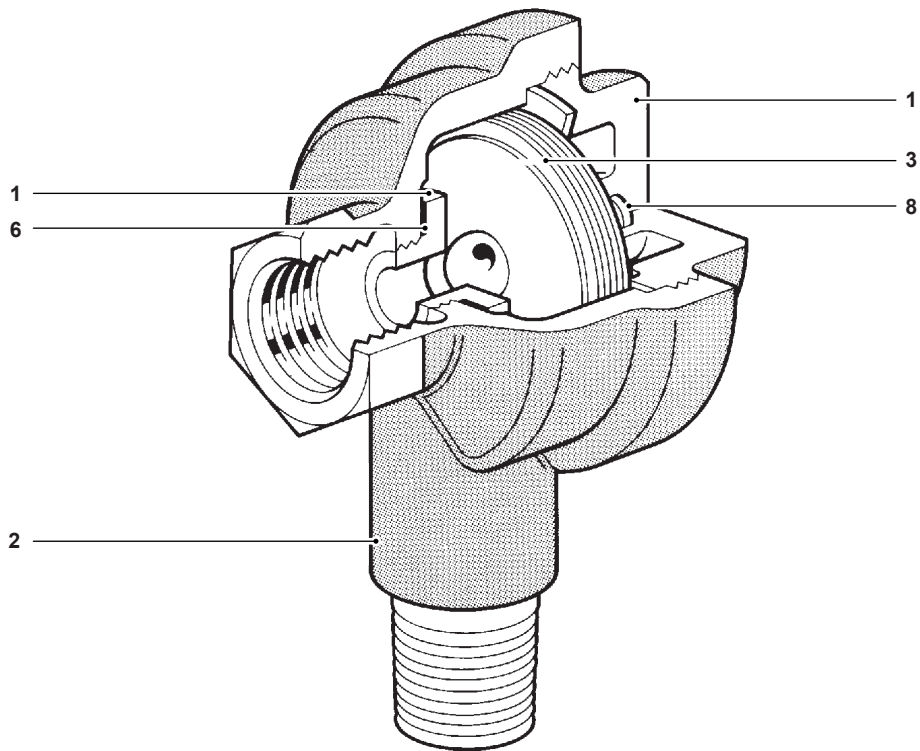
### Pressure shell design conditions

PMA	Maximum allowable pressure	125 psi g and up to 353 °F	(9 bar g and up to 178 °C)
TMA	Maximum allowable temperature	353 °F and 0-125 psi g	(178 °C and 0-9 bar g)

### Typical applications

For installation at end of all steam mains and headers, on all steam equipment such as air coils, heat exchangers, autoclaves, sterilizers, platen presses, rotating cylinders, jacketed kettles, laundry equipment and reboilers.

## Materials

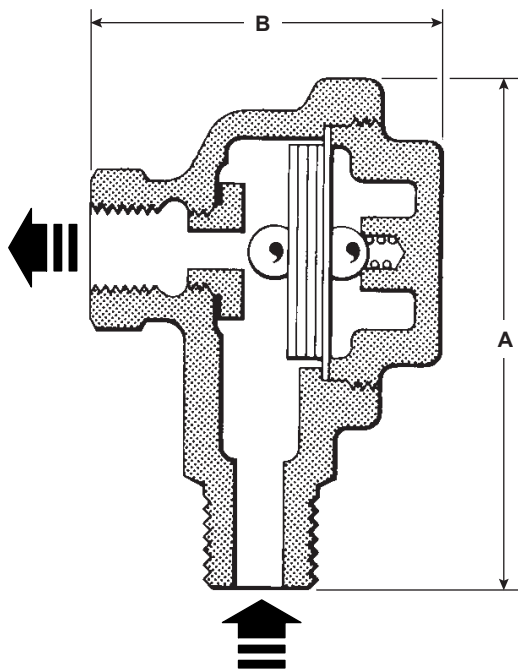


No.	Part	Material	
1	Cap	Brass	ASTM B124 Class 2
2	Body	Brass	ASTM B62
3	Thermostatic bellows	Stainless Steel	
5	Seat	Stainless Steel	
6	Seat gasket	Brass	
8	Spring	Stainless Steel	

### Dimensions/weights

(approximate) in inches (mm) and lbs (kg)

Size	Outlet	A	B	Weight
3/8"	1/4"	2.9 (75)	2.1 (54)	1 lb (.045 kg)



## Air Capacity (discharge to atmosphere)

SCFM cubic feet per minute at standard conditions of 14.7 psig at 60°F. For dm<sup>3</sup>/s multiply by .4719.

Inlet pressure						
psi (bar)	5 (.34)	10 (.68)	25 (1.7)	50 (3.4)	100 (6.9)	125 (8.6)
SCFM	8	13	25	40	70	80

Orifice Size = .25

## Installation

The air vent should be positioned at a high point of the piping system or equipment, or where the air collects. The discharge can be hot and wet; the outlet should therefore be piped to a safe place. An isolation valve should be fitted upstream of the air vent.

## Maintenance

This product can be maintained without disturbing the inlet piping connections. Complete isolation is required before any servicing is performed.

The air vent should be disassembled periodically for inspection and cleaning of the valve head and seat.

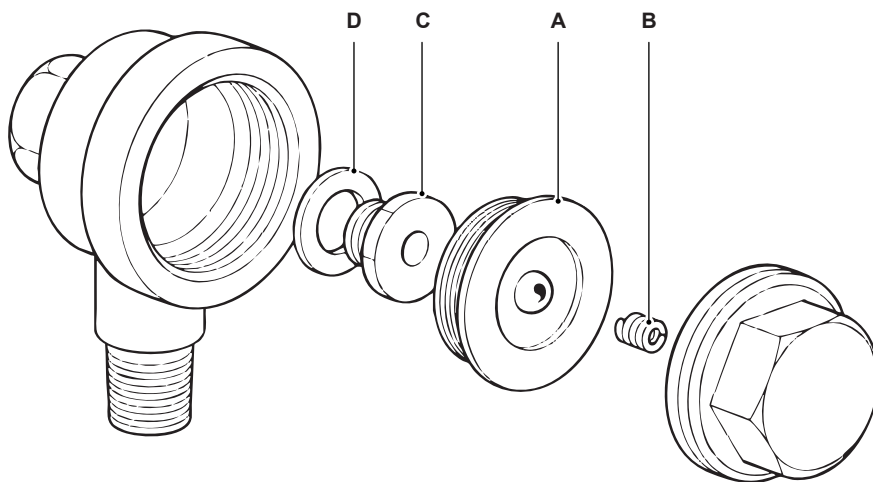
Worn or damaged parts should be replaced using a complete element set.

Complete installation and maintenance instructions are given in IM-4-101, which accompanies the product.

## Sample specification

Air Vents shall be installed at the end of all steam mains and headers, and on large equipment steam spaces to facilitate start-up and heat transfer. They shall be self-adjusting balanced pressure thermostatic type with precision welded multiple plate stainless steel bellows. Head shall be hardened and both head and seat shall be stainless steel. Body and cap shall be brass and internals shall be renewable.

## Spare parts



Element Set

A, B, C, D