

## Description

This is a Bimetallic Thermostatic Steam Trap with strainer. The operating principle is based on a balance between the steam force (pressure related) trying to open the discharge valve and the bimetal force (temperature related) which acts to close it. At saturated steam temperature the bimetal force keeps the valve closed, while with sub cooled condensate the pressure opens the valve.

Note: The Integral Blow-down Valve is an assembly designed to be fitted to BM112 Thermostatic steam trap as an extra option.



## Limiting Conditions

Maximum Body Design Conditions	PN 50
PMO - Maximum Operating Pressure	30 kgf/cm <sup>2</sup>
TMO - Maximum Operating Temperature	300 °C
PMA - Maximum Allowable Pressure	50 kgf/cm <sup>2</sup>
TMA - Maximum Allowable Temperature	400 °C
Cold Hydraulic Test Pressure	75 kgf/cm <sup>2</sup>

## Operating Range

ΔPMX – Maximum differential pressure 30 kgf/cm<sup>2</sup>

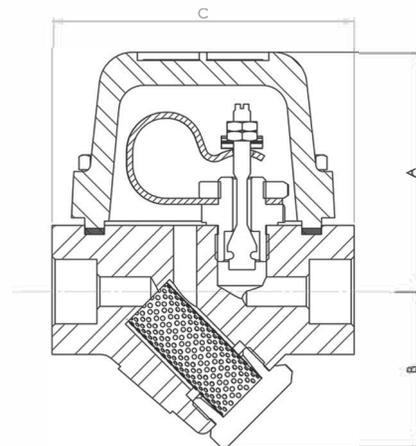
## Sizes and Pipe Connections

1/2", 3/4" and 1" Screwed (ANSI B1.20.1) - Socket Weld (ANSI B16.11)  
Flanged (ANSI B16.5)

## Dimensions / Weights (Approximate) mm and kg

Size	A	B	C	Weight
1/2"	80	60	110	3
3/4"	80	60	110	3
1"	80	60	110	3

Constructions are a bit different according the sizes





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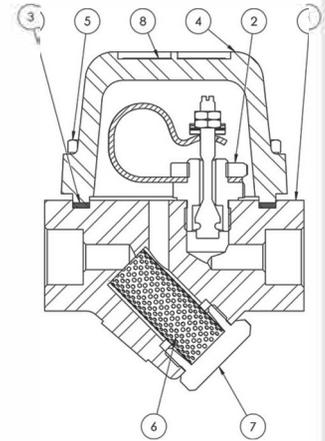
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## Bimetallic Thermostatic Steam Traps - 112

### Materials

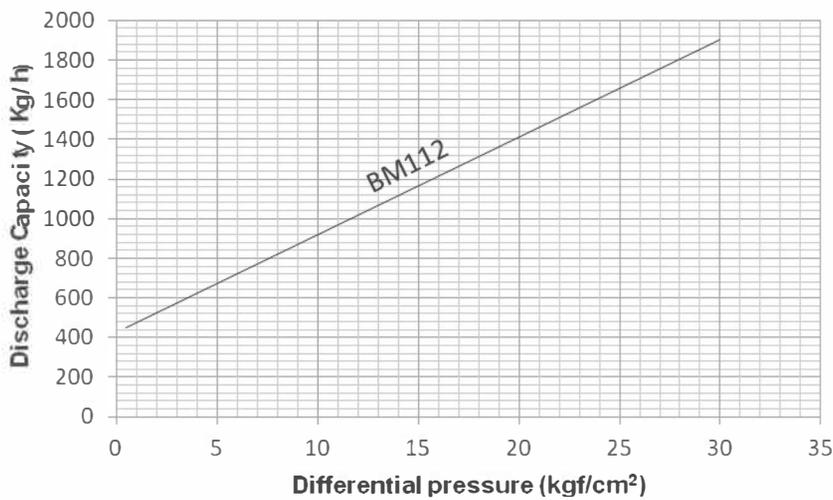
No.	Part	Material
1	Body	ASTM A105
2	Valve Seat Assembly *	AISI 316
3	Cover Gasket *	Reinforced Exfoliated Graphite
4	Cover	ASTM A105
5	Bolt	ASTM A193 B7
6	Strainer Screen *	AISI 304/316
7	Strainer Cap	AISI 420
8	Blow-Down Cap **	AISI 420
9	Blow-Down Screw **	AISI 420

Note: (\*) Spare Part  
(\*\*) Optional extra



### Capacities

Maximum continual discharge amount (kg/h)



### Installation

The steam trap can be installed on horizontal or vertical lines. Do not fit the trap upside down since this position will not allow the cleaning of the strainer. For the same reason the direction of flow on vertical lines must be downwards.

### How to Order

Example: 112 – ½", Bimetallic Thermostatic Steam Trap Screwed with Blow-down Valve.