

## BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS BM 32 ( DN40 – DN50 )

### DESCRIPTION

BM 32 series bimetallic steam traps and air eliminators are simple and robust traps, recommended for steam process applications where condensate sensible heat can be recovered, steam tracing lines, drip points, storage tank coils, steam air venting, etc. The use of condensate sensible heat reduces the steam consumption.

Connections are female screwed or flanged .

### MAIN FEATURES

- Modulating discharge.
- Discharges condensate below steam temperature.
- Excellent air discharge.
- Operates on superheated steam.
- Unaffected by waterhammer and vibrations.
- Built-in strainer.

USE: Saturated and superheated steam.

AVAILABLE

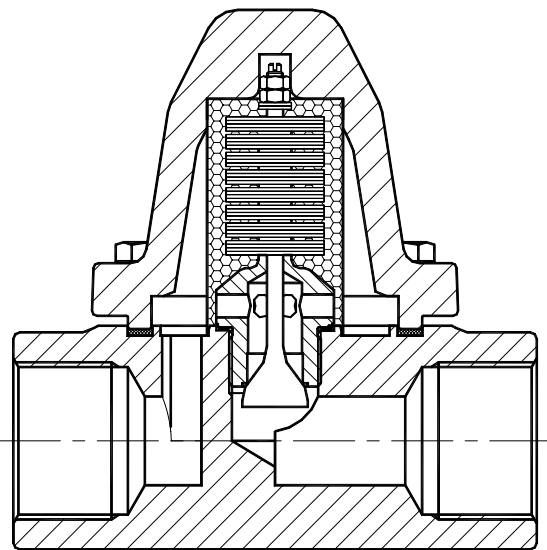
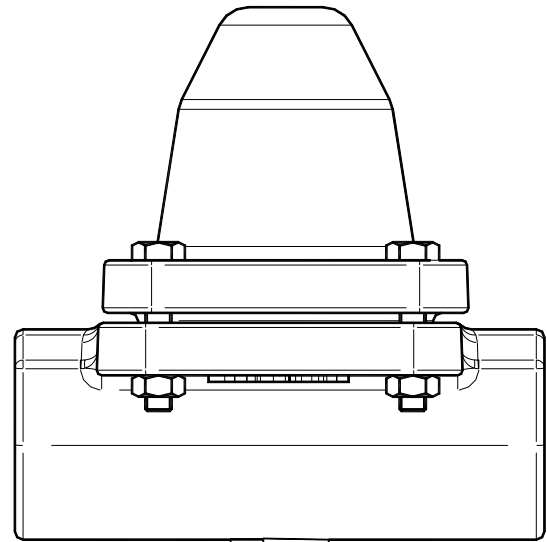
MODELS: BM32

SIZES: DN1 1/2" – DN2" ;DN 40 - DN 50

CONNECTIONS: Female screwed BSP or NPT.  
Flanged EN 1092-1 PN40 or ANSI  
SW - Socket weld to ANSI B 16.11  
BW - Butt weld to ANSI B16.25

INSTALLATION: Horizontal installation  
See IMI installation and maintenance instructions.

PMA – Max. allowable pressure	32	bar
TMA – Max. allowable temperature	300	°C
PMO – Max. operating pressure	32	bar
TMO –Max. Operating temperature	250	°C



How to order:i.e.BM32 DN40 EN1092

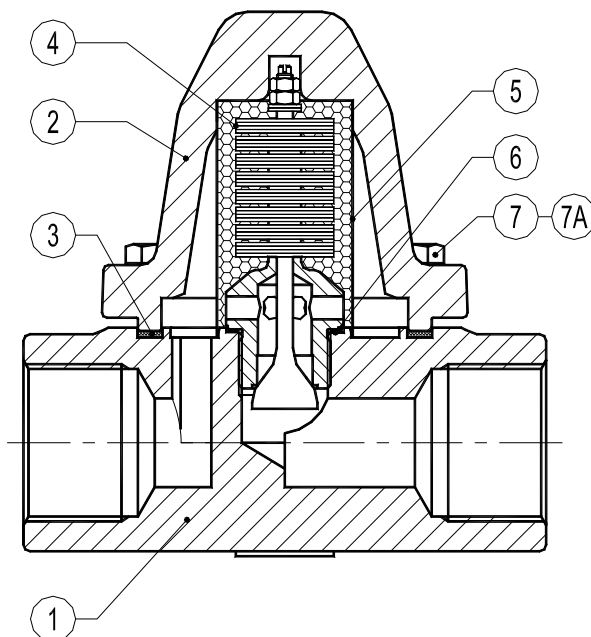
CE MARKING (PED - European Directive 97/23/EC)	
PN 40	Category
DN40 - DN50	1 (CE Marked)

FLOW RATE CAPACITY IN Kgs/h													
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)											
		2	4	6	8	10	12	16	18	20	24	28	32
<b>BM 32</b>	<b>40 - 50 A</b>	450	490	550	640	700	730	850	920	980	1050	1100	1150
<b>BM 32</b>	<b>40 - 50 B</b>	1400	1500	1700	1950	2200	2200	2600	2800	2950	3150	3300	3500

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.

MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Equiv.P250GH)
2	Cover	ASTM A105 / 1.0432 (Equiv.P250GH)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel / Bimetal
5	* Strainer screen	AISI304 / 1.4301
6	* Seat gasket	Copper
7	Studs	ASTM A193 Gr.B7
7A	Nuts	ASTM A194 Gr.2H

\* Available spare parts



DIMENSIONS ( mm )														
SIZE DN	BSP - NPT - SW - BW				EN 1092-1 PN40				ANSI 150			ANSI 300		
	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	
1 1/2" - 40	160	132	115	7,2	75	230	11,9	64	230	10,6	78	230	12,9	
2" - 50	230	132	115	9,3	83	230	14,9	76	230	14,5	83	230	16,1	

\* Note: different face to face dimensions on request.

