

## BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS BM 80 ( DN1/2" – DN 1" ; DN15 – DN25 )

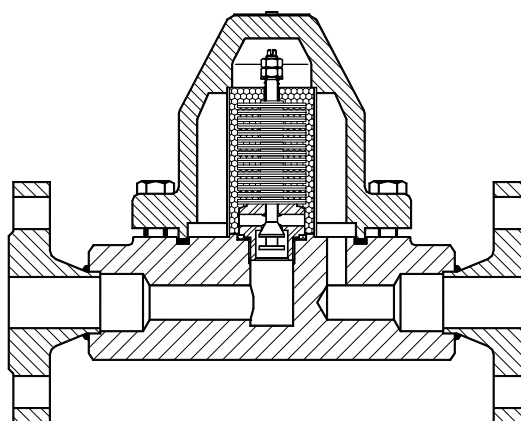
### DESCRIPTION

BM80 series bimetallic steam traps and air eliminators are simple and robust traps, recommended for steam 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, socket weld, butt weld or flanged.

### MAIN FEATURES

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



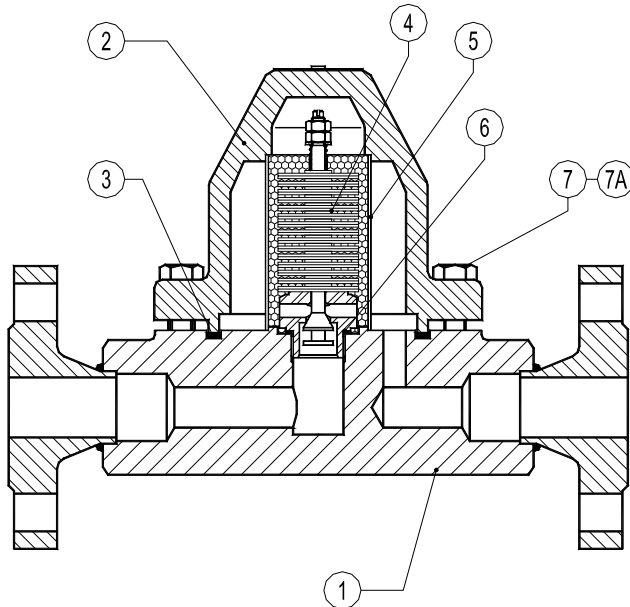
- USE: Saturated and superheated steam.
- AVAILABLE MODELS: BM80
- SIZES: DN 1/2" to 1" ; DN15 to DN25.
- CONNECTIONS: Female screwed BSP or NPT  
Flanged EN 1092-1 or ANSI  
SW - Socket weld to ANSI B 16.11  
BW - Butt weld to ANSI B16.25
- INSTALLATION: Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.

BM80 LIMITING CONDITIONS PN100 - ANSI 600	
ALLOWABLE PRESSURES	RELATED TEMPERATURE
100 bar	250 °C
80 bar	350 °C
70 bar	450 °C

Operating pressure : 25 to 80 bar

FLOW RATE CAPACITY IN Kgs/h											
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)									
		25	30	35	40	45	50	55	60	70	80
BM 80	15 - 25 A	500	550	570	580	590	600	610	620	630	650
BM 80	15 - 25 B	3000	3200	3600	4000	4200	4700	5000	5400	6000	6200

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 A182F22 / 1.7380 (Equiv.10CrMo910)
2	Cover	ASTM A182F22 / 1.7380 (Equiv.10CrMo910)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel
5	* Strainer screen	AISI304 / 1.4301
6	* Seat gasket	AISI304 / 1.4301
7	Studs	ASTM A193 Gr.B7
7A	Nuts	ASTM A194 Gr.2H

\* Available spare parts

DIMENSIONS ( mm )										
	BSP - NPT - SW - BW				EN1092-1 PN100			ANSI 600		
SIZE DN	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs
15	160	120	115	6,3	52,5	230	8,8	47,5	230	8,2
20	160	120	115	6,3	65	230	11,1	59	230	9,4
25	160	120	115	6,3	70	230	11,8	62	230	10,2

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

