

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS BM - HC (High capacity) (DN11/2" – DN 5"; DN40 – DN125)

DESCRIPTION

BM-HC series bimetallic steam traps and air eliminators are simple and robust traps, recommended for large process applications.

They can be supplied with several bimetallic regulators achieving the requested flow rate.

Connections are flanged as standard (others on request).

MAIN FEATURES

Modulating discharge.

Discharges condensate below steam temperature.

Excellent air discharge.

Operates on superheated steam.

Unaffected by water-hammer and vibrations.

OPTIONS: Complete stainless steel construction
Different capacities and designs

USE: Saturated and superheated steam.

AVAILABLE MODELS: BM24HC...; BM32HC...; BM35HC...etc.

SIZES: DN11/2" to 5" ; DN40 to DN125

CONNECTIONS: Flanged EN 1092-1 or ANSI

INSTALLATION : Vertical installation

SIZING: Consult factory including all the operating details .

PS – Operating pressure Up to 63 bar

TS – Operating temperature Up to 300 °C

Higher pressures and temperatures on request.



CE MARKING - GROUP 2 GASES CATEGORIES								
RATING	MODEL *	CAT.	RATING	MODEL *	CAT.	RATING	MODEL *	CAT.
PN16	BM...HC04	SEP	PN40	BM...HC04	1	PN63	BM...HC04	1
	BM...HC05	SEP		BM...HC05	1		BM...HC05	1
	BM...HC06	SEP		BM...HC06	1		BM...HC06	1
	BM...HC08	1		BM...HC08	2		BM...HC08	2
	BM...HC10	2		BM...HC10	2		/	/

* All sizes (DN 's) belonging to the same model, have the same category.

LIMITING CONDITIONS **											
Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C
PN16	16	50	ANSI Cl.150 lbs	16	50	PN40 ANSI CL.300lbs	40	50	PN63 ANSI CL.600lbs	63	50
	14	100		14	100		37	100		58	100
	13 *	195		13 *	195		31 *	239		47*	261
	12	250		-	-		27	300		43	300

*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10°C. Design code: AD-Merkblatt

** Rating according to EN1092:2007.

MODELS AND DIMENSIONS (mm)

MODEL	* Max. Nr.Reg.	DN PN16	DN PN40	DN PN63	A PN16	A PN40	A PN63	B PN16	B PN40	B PN63	WEIGHT PN16**	WEIGHT PN40**	WEIGHT PN63**
BM (a)HC04-(b)	3	40 - 50	40 - 50	40 - 50	241	259	301	220	235	250	19,2	25	38,5
BM(a)HC05-(b)	6	50 - 65	50 - 65	50 - 65	242	281	325	250	270	295	24,3	35	51,3
BM (a)HC06-(b)	8	65 - 80	65 - 80	65 - 80	262	317	358	285	300	345	32,9	46,4	72,4
BM(a)HC08-(b)	14	65 - 80	65 - 80	65 - 80	311	367	413	340	375	415	49,6	82	111,7
BM (a)HC10-(b)	20	125	65 - 80	/	386	430	/	405	450	/	81,7	126,5	/

(a) - Insert the regulator type , selected from a single steam trap regulator DN40-50 (BM24 or BM32) or DN15-25 (BM35,45,80 and 140)

(b) - Insert the number of regulators according to the desired flow rate and maximum permissible number mentioned in the next column

* Maximum number of regulators per model

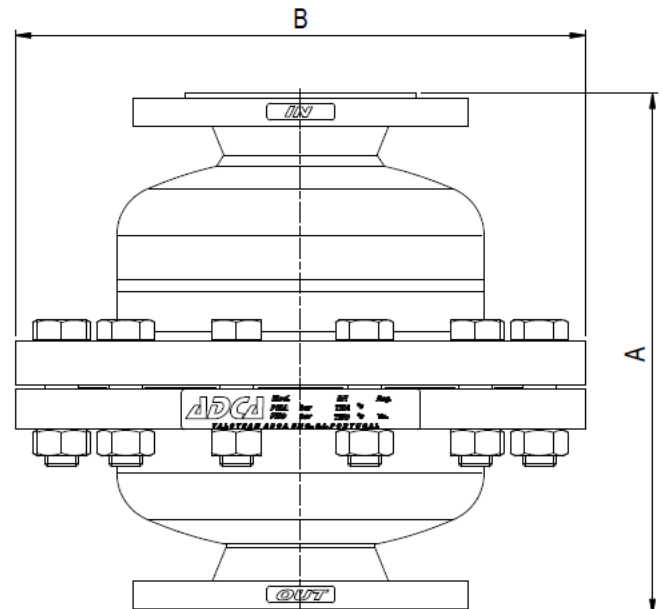
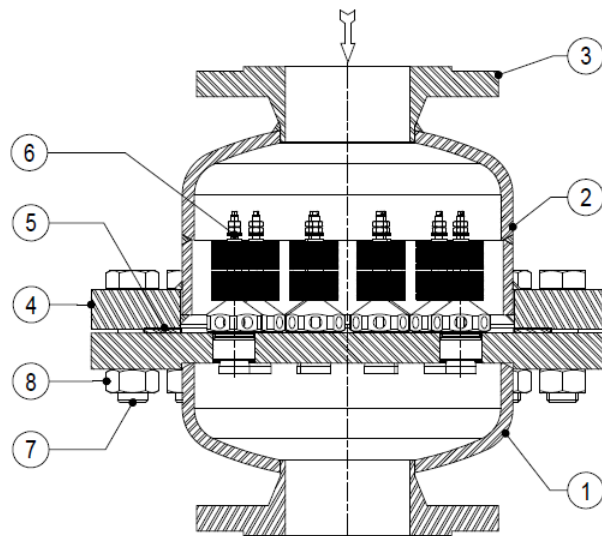
** Consult factory for certified dimensions and weights (weights in kgs)

How to order:

BM32HC06-6 DN80 PN 40 (High capacity bimetallic steam trap with six BM32 DN40/50 regulators).

Remarks:

If the selected regulator is intended to work above the operating conditions mentioned in this catalogue, please consult for a tailor made option.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body cap	EN10028-2 / P265GH / 1.0425
2	Tube cover	EN10216-2 / P235GH / 1.0325
3	EN flanges	EN10222-2 / P250GH / 1.0460
3	ANSI flanges	ASTMA105 / 1.0432
4	Body flanges	EN10222-2 / P250GH / 1.0460
5	* Gasket	St.steel / Graphite
6	* Regulator	Bimetail
7	Studs	Steel 8.8
8	Nuts	Steel 8.8

* Available spare parts