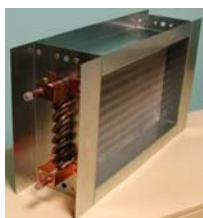




## COILS FOR VARIABLE AIR FLOW UNITS

ET-BAH  
SERIES

### OVERVIEW



#### Overview:

The ET-BAH series of heating coils are water-air heat exchangers. They are used at the end of the variable air flow boxes to obtain the heating of the injected air in the room.

#### Technical characteristics:

The ET-BAH series heating coils are comprised of:

- 1) supporting structure in galvanized steel;
- 2) blades or pack of blades
- 3) water connections
- 4) drainage tap
- 5) water release valve
- 6) collector

#### Fitting mode:

The ET-BAH series heating batteries are usually fitted at the bottom of the CL-VCL o CL-VCC series regulation boxes. The box silencers house four filtering inserts M8, where as the batteries house four holes Ø10 for the screws. The use of washers is advised.

#### Fitting position:

The water will always have to enter from the lowest inlet and exit from the highest.

The batteries can be made with the water connections on the left of right in relation to the air flow direction.

If this is not indicated, they will be made with the connections on the right side.

In correctly fitted models the connection for the exit will be the closest to the air entry side. The incorrect fitting of the battery entails a performance reduction of the heat exchange.

#### Precautions:

It is advisable to interject a suitable gasket between the box and the battery to eliminate air leaks.

Great care should be taken in handling the battery as the blades is composed of very thin blades easily bendable. Once filled, it is recommended to remove all remaining air by acting on the valve present on the higher duct.

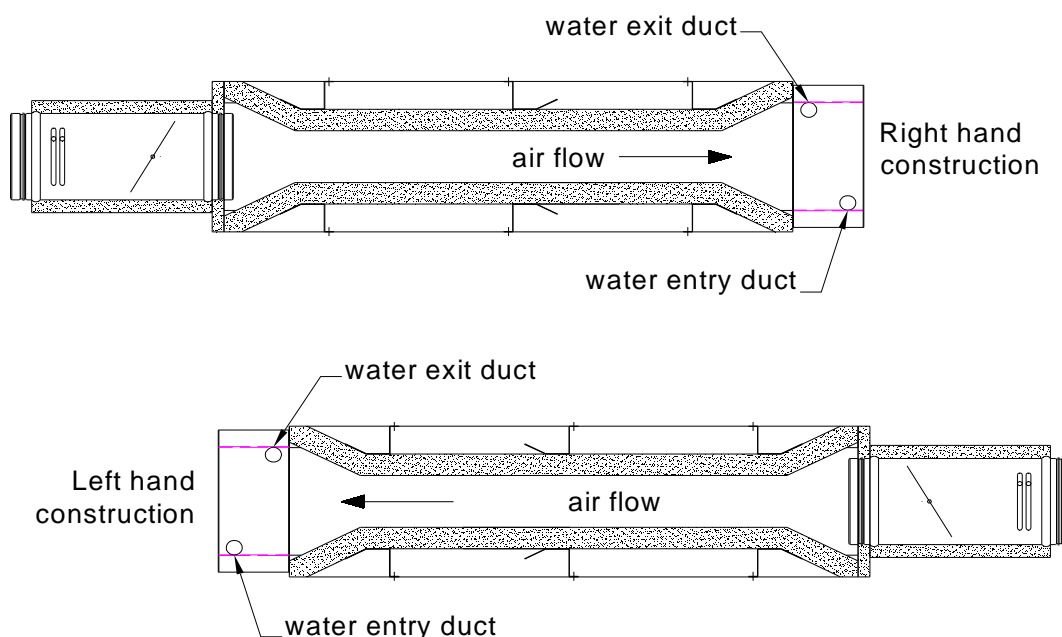
If it is necessary to dismantle the battery, it is possible to empty it using the valve on the bottom duct.

#### Uses:

The ET-BAH series heating coils are used solely with the variable air flow boxes so as to maintain the best possible comfort heat levels, not only acting on the air flow, but also on the temperature of the injected air.

#### Product description for projects:

Heating coils, series ET-BAH, manufactured by MP3 Srl, made of galvanized steel complete of relieve valve, drainage tap, protective arch and collector.



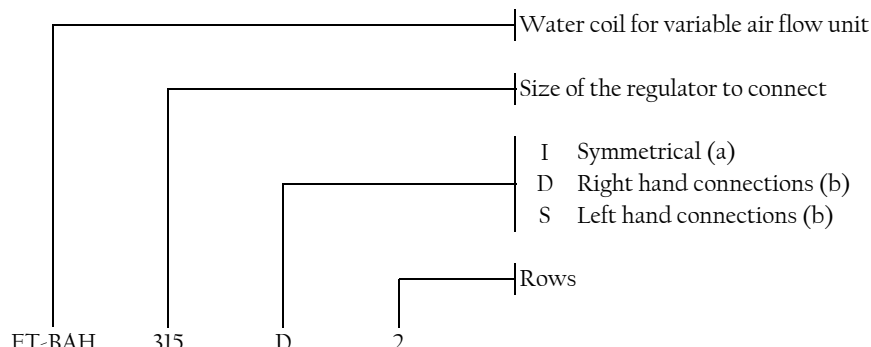


## COILS FOR VARIABLE AIR FLOW UNITS

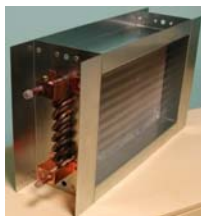
ET-BAH  
SERIES

### OVERVIEW

Code of the coil	Size regulator	Position of the connections	Number of rows	Number of circuits	Number of pipes	Step of the blades
ET-BAH125D2	125	Right	2	1	6	2,5
ET-BAH125I1	125	Symmetrical	1	1	6	2,5
ET-BAH125S2	125	Left	2	1	6	2,5
ET-BAH160D2	160	Right	2	1	6	2,5
ET-BAH160I1	160	Symmetrical	1	1	6	2,5
ET-BAH160S2	160	Left	2	1	6	2,5
ET-BAH200D1	200	Right	1	2	8	2,5
ET-BAH200D2	200	Right	2	2	8	2,5
ET-BAH200S1	200	Left	1	2	8	2,5
ET-BAH200S2	200	Left	2	2	8	2,5
ET-BAH250D1	250	Right	1	2	8	2,5
ET-BAH250D2	250	Right	2	2	8	2,5
ET-BAH250S1	250	Left	1	2	8	2,5
ET-BAH250S2	250	Left	2	2	8	2,5
ET-BAH315D1	315	Right	1	3	12	2,5
ET-BAH315D2	315	Right	2	4	12	2,5
ET-BAH315S1	315	Left	1	3	12	2,5
ET-BAH315S2	315	Left	2	4	12	2,5
ET-BAH355D1	355	Right	1	3	12	2,5
ET-BAH355D2	355	Right	2	4	12	2,5
ET-BAH355S1	355	Left	1	3	12	2,5
ET-BAH355S2	355	Left	2	4	12	2,5
ET-BAH400D1	400	Right	1	4	13	2,5
ET-BAH400D2	400	Right	2	5	13	2,5
ET-BAH400S1	400	Left	1	4	13	2,5
ET-BAH400S2	400	Left	2	5	13	2,5
ET-BAH500D1	500	Right	1	5	17	2,5
ET-BAH500D2	500	Right	2	7	17	2,5
ET-BAH500S1	500	Left	1	5	17	2,5
ET-BAH500S2	500	Left	2	7	17	2,5
ET-BAH630D1	630	Right	1	7	21	2,5
ET-BAH630D2	630	Right	2	11	21	2,5
ET-BAH630S1	630	Left	1	7	21	2,5
ET-BAH630S2	630	Left	2	11	21	2,5



- (a) Only one row sizes 125 e 160, because the connections are superimposed (symmetrical coil)  
 (b) Right and left means looking in the direction of the air flow



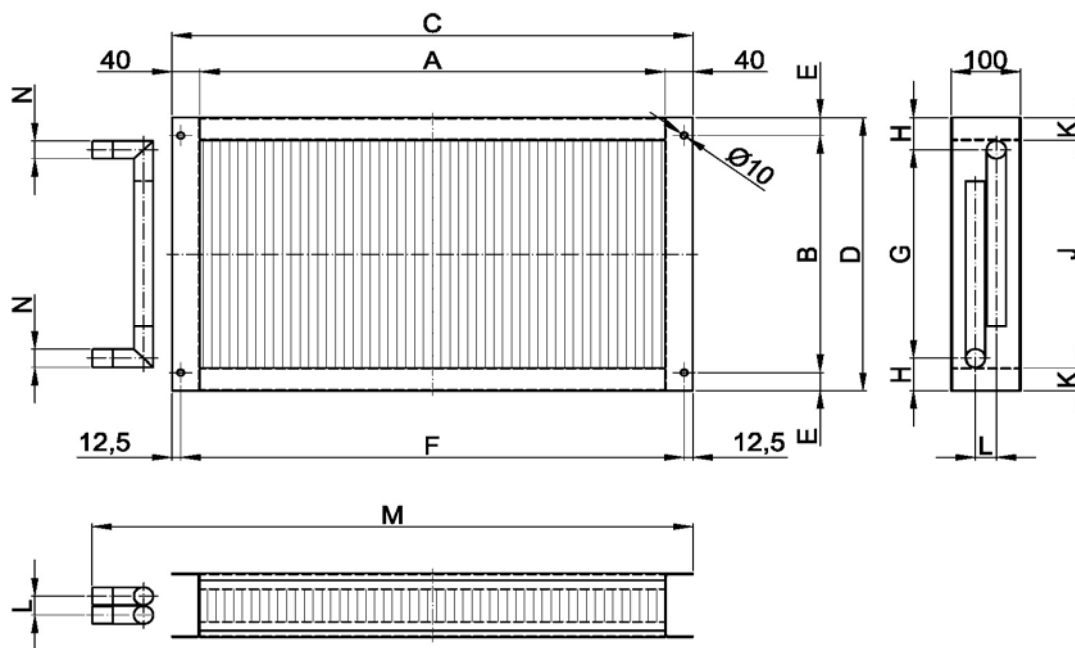
## COILS FOR VARIABLE AIR FLOW UNITS

ET-BAH  
SERIES

### OVERALL DIMENSIONS

Size regulator	Number of rows	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	J [mm]	K [mm]	L [mm]	M [mm]	N [mm]
125	1	270	175	350	257	41	325	150	53,5	180	38,5	0	386	1/2"
125	2	270	175	350	257	41	325	150	53,5	180	38,5	26	386	1/2"
160	1	270	175	350	257	41	325	150	53,5	180	38,5	0	386	1/2"
160	2	270	175	350	257	41	325	150	53,5	180	38,5	26	386	1/2"
200	1	450	275	530	332	28,5	505	240	46	240	46	26	605	1/2"
200	2	450	275	530	332	28,5	505	240	46	240	46	26	605	1/2"
250	1	450	275	530	332	28,5	505	240	46	240	46	26	605	1/2"
250	2	450	275	530	332	28,5	505	240	46	240	46	26	605	1/2"
315	1	670	375	750	432	28,5	725	338	47	360	36	25	855	1/2"
315	2	670	375	750	432	28,5	725	330	51	360	36	30	865	3/4"
355	1	670	375	750	432	28,5	725	338	47	360	36	25	855	1/2"
355	2	670	375	750	432	28,5	725	330	51	360	36	30	865	3/4"
400	1	870	425	950	482	28,5	925	362	60	390	46	30	1065	3/4"
400	2	870	425	950	482	28,5	925	362	60	390	46	30	1065	3/4"
500	1	870	525	950	600	37,5	925	482	59	510	45	30	1065	3/4"
500	2	870	525	950	600	37,5	925	475	62,5	510	45	38	1070	1"
630	1	1070	655	1150	720	32,5	1125	595	63	630	45	38	1270	1"
630	2	1070	655	1150	720	32,5	1125	588	66	630	45	45	1280	1" 1/4"

For the sizes 125 e 160 one row the dimension L is 0 because the connections are superimposed (symmetrical coil)





## COILS FOR VARIABLE AIR FLOW UNITS

ET-BAH  
SERIES

### TECHNICAL DATA

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
125	1	0,19	45	40	0,19	430	15	22,5	15	1,07
125	1	0,08	50	40	0,40	430	15	21,6	15	0,94
125	1	0,12	60	50	0,80	430	15	24,8	15	1,41
125	2	0,34	45	40	9,50	430	15	22,0	28	1,94
125	2	0,17	50	40	2,50	430	15	28,7	28	1,95
125	2	0,25	60	50	5,20	430	15	34,7	28	2,81

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
160	1	0,23	45	40	2,7	715	15	20,6	37	1,34
160	1	0,11	50	40	0,6	715	15	20,5	37	1,30
160	1	0,18	60	50	1,6	715	15	23,4	37	2,00
160	2	0,47	45	40	17,8	715	15	26,3	68	2,67
160	2	0,23	50	40	4,4	715	15	25,9	68	2,60
160	2	0,32	60	50	8,3	715	15	30,5	68	3,67

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
200	1	0,46	45	40	2,4	1125	15	22,0	20	2,63
200	1	0,21	50	40	0,5	1125	15	21,3	20	2,35
200	1	0,32	60	50	1,2	1125	15	24,8	20	3,68
200	2	0,84	45	40	12,5	1125	15	27,9	36	4,82
200	2	0,43	50	40	3,4	1125	15	28,1	36	4,90
200	2	0,60	60	50	6,4	1125	15	33,3	36	6,83

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
250	1	0,56	45	40	3,5	1725	15	20,6	42	3,22
250	1	0,26	50	40	0,8	1725	15	20,2	42	2,98
250	1	0,39	60	50	1,7	1725	15	22,7	42	4,43
250	2	1,08	45	40	20,1	1725	15	25,8	79	6,18
250	2	0,55	50	40	5,5	1725	15	25,9	79	6,27
250	2	0,78	60	50	10,5	1725	15	30,6	79	8,86

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
315	1	1,1	45	40	6,9	2700	15	22,0	22	6,31
315	1	0,55	50	40	1,8	2700	15	22,0	22	6,25
315	1	0,79	60	50	3,6	2700	15	25,0	22	8,99
315	2	1,95	45	40	15,7	2700	15	27,5	41	11,20
315	2	1,02	50	40	4,6	2700	15	28,0	41	11,60
315	2	1,42	60	50	8,3	2700	15	33,1	41	16,2



## COILS FOR VARIABLE AIR FLOW UNITS

ET-BAH  
SERIES

### TECHNICAL DATA

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
355	1	1,29	45	40	9,3	3600	15	21,2	38	7,43
355	1	0,63	50	40	2,4	3600	15	21,0	38	7,19
355	1	0,92	60	50	4,7	3600	15	23,8	38	10,50
355	2	2,35	45	40	22,3	3600	15	26,3	70	13,5
355	2	1,21	50	40	6,3	3600	15	26,5	70	13,7
355	2	1,68	60	50	11,5	3600	15	31,1	70	19,2

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
400	1	1,76	45	40	9,0	4725	15	21,4	33	10,1
400	1	0,89	50	40	2,4	4725	15	21,4	33	10,1
400	1	1,25	60	50	4,5	4725	15	24,1	33	14,3
400	2	3,19	45	40	25,7	4725	15	26,7	61	18,3
400	2	1,67	50	40	7,5	4725	15	27,0	61	18,9
400	2	2,29	60	50	13,3	4725	15	31,7	61	26,2

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
500	1	2,47	45	40	11,1	7000	15	21,1	42	14,2
500	1	1,24	50	40	3,0	7000	15	21,1	42	14,1
500	1	1,77	60	50	5,7	7000	15	23,7	42	20,2
500	2	4,46	45	40	21,8	7000	15	26,0	77	25,6
500	2	2,33	50	40	6,3	7000	15	26,3	77	26,4
500	2	3,22	60	50	11,4	7000	15	30,8	77	36,8

Size regulator	Number of rows	Water flow [m <sup>3</sup> /h]	T in water [°C]	T out water [°C]	ΔP water [kPa]	Air flow [m <sup>3</sup> /h]	T in air [°C]	T out air [°C]	ΔP air [Pa]	Power [kW]
630	1	3,92	45	40	15,5	11200	15	21,0	46	22,5
630	1	1,98	50	40	4,2	11200	15	21,0	46	22,4
630	1	2,80	60	50	7,9	11200	15	23,6	46	32,0
630	2	6,97	45	40	19,5	11200	15	25,8	85	40,0
630	2	3,61	50	40	5,6	11200	15	26,0	85	40,9
630	2	5,02	60	50	10,2	11200	15	30,4	85	57,4

