

## Datasheet

# AC-5000



Adiabatic humidifier

	DESCRIPTION	UNITS	DATA
AIRFLOW	Admitted air flow	m <sup>3</sup> /h	5.000
	Panel load loss	Well	48
THE PIPE	Model	-	EBM ALPHA 45/15
	Rated power/consumption	-	50 W / 0.17 A
	Caudal	l/m	25
	Strain	V/Phases/Hz	230/1/50
	Level switch	-	Optional
COOLING	Panel type	-	5090
	Dimensions	mm	595x900x100
	Amount	Units	1
	Total panel surface	m <sup>2</sup>	0,53
	Panel air speed	m/s	2,62
	Panel efficiency	%	83
	Delivery temperature (40°C – 30% HR)	°C	27,6
	Droplet separator	-	No
CONNECTIONS	Inlet solenoid valve	Inches	½"
	Water evacuation	Inches	1 ¼"
	Overflow	Inches	1"
SYSTEM CLEANING	Automatic emptying	-	AND
	Uv lamp	-	Optional
DIMENSIONS	Overall dimensions	Long wide high	918x440x949mm
	Connection mouth dimensions	Width heigth	800x600mm
	Empty/operating weight	Kg	27 / 47
CERTIFICATES			THIS

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## Get In Touch

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## Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,  
 Settle, North Yorkshire, BD24 9RH

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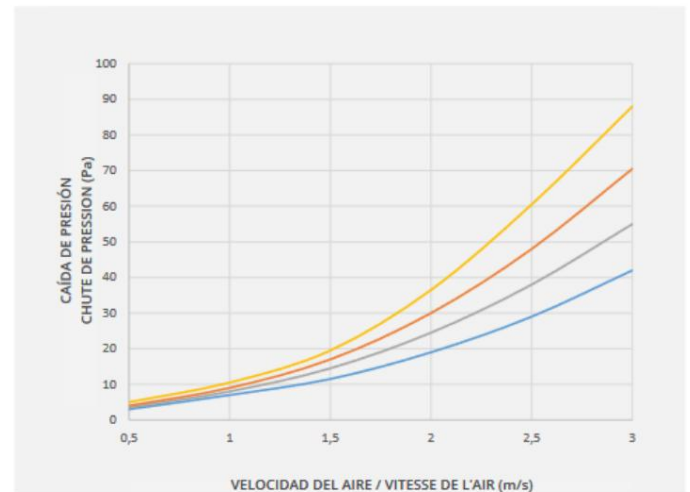
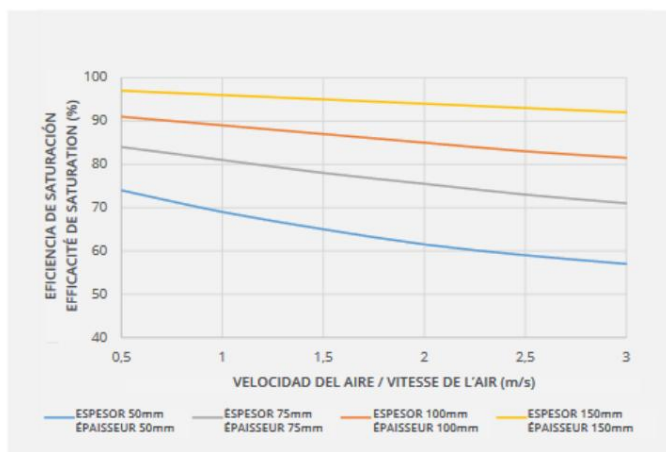
Adiabatic humidifier


**EFICIENCIA DE SATURACIÓN / EFFICACITÉ DE SATURATION (%)**

ESPESOR ÉPAISSEUR	VELOCIDAD DEL AIRE / VITESSE DE L'AIR					
	0,5 m/s	1 m/s	1,5 m/s	2 m/s	2,5 m/s	3 m/s
50 mm	74	69	65	61,5	59	57
75 mm	84	81	78	75,5	73	71
100 mm	91	89	87	85	83	81,5
150 mm	97	96	95	94	93	92

**CAÍDA DE PRESIÓN / CHUTE DE PRESION (Pa)**

ESPESOR ÉPAISSEUR	VITESSE DE L'AIR					
	0,5 m/s	1 m/s	1,5 m/s	2 m/s	2,5 m/s	3 m/s
50 mm	3	7	11,5	19	29	42
75 mm	3,5	8	14,5	24,5	38	55
100 mm	4	9	17	30	48	70,5
150 mm	5	10,5	19,5	36,5	60,5	88



## Standard construction details

- Water tray made of AISI-316 stainless steel • Corner posts and support legs in AISI-304 stainless steel • Upper roof and side panels in galvanized steel painted in polyester powder • 100mm thick type 5090 cooler panels • Water pump EBM ALPHA 45/15 with external rotor motor • Normally closed inlet solenoid valve

- Float with adjustable buoy • Automatic emptying system
- Overflow pipe
- Water distributor applied to the ceiling • Valve to regulate the water flow • 30mm "metu" type frame • UV WATER CLEANING (water treatment with UV lamp) (optional)

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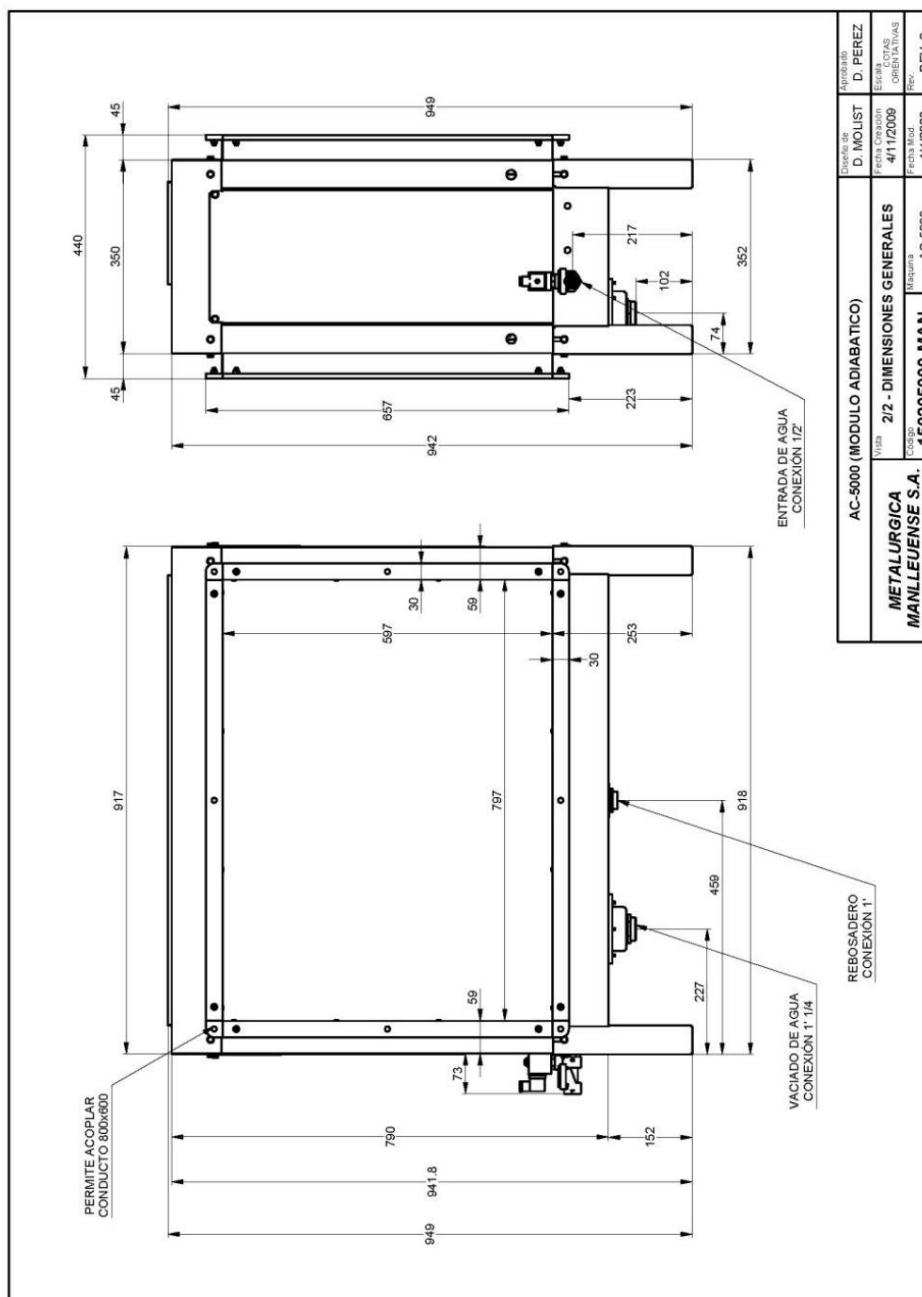

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## Overall dimensions



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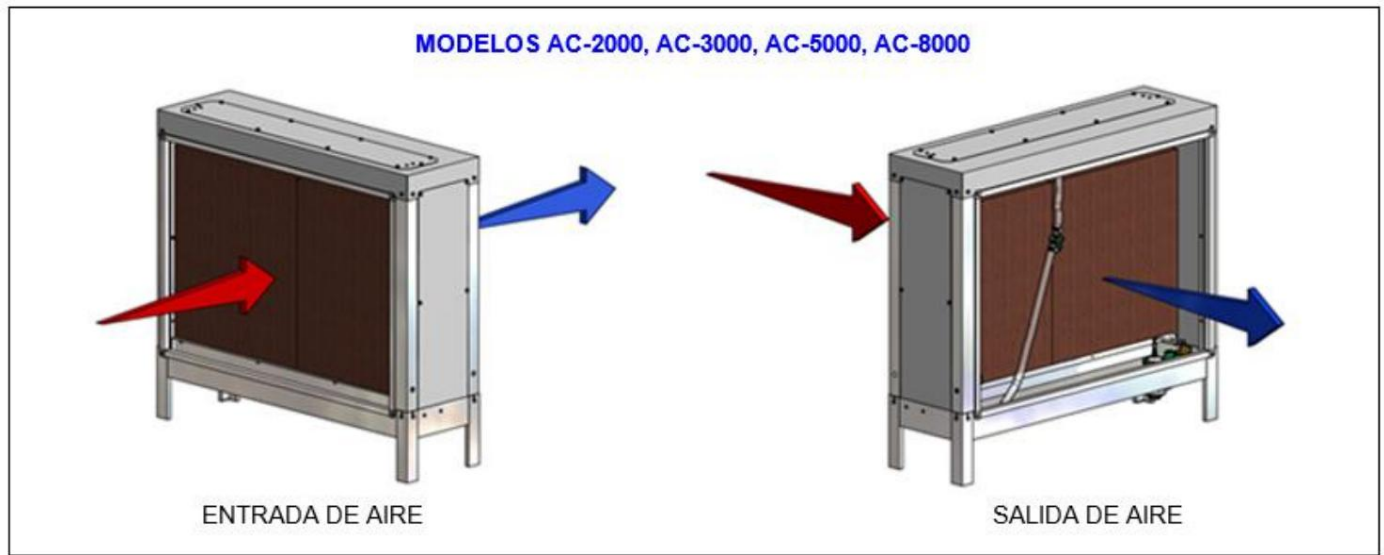
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## Airflow direction



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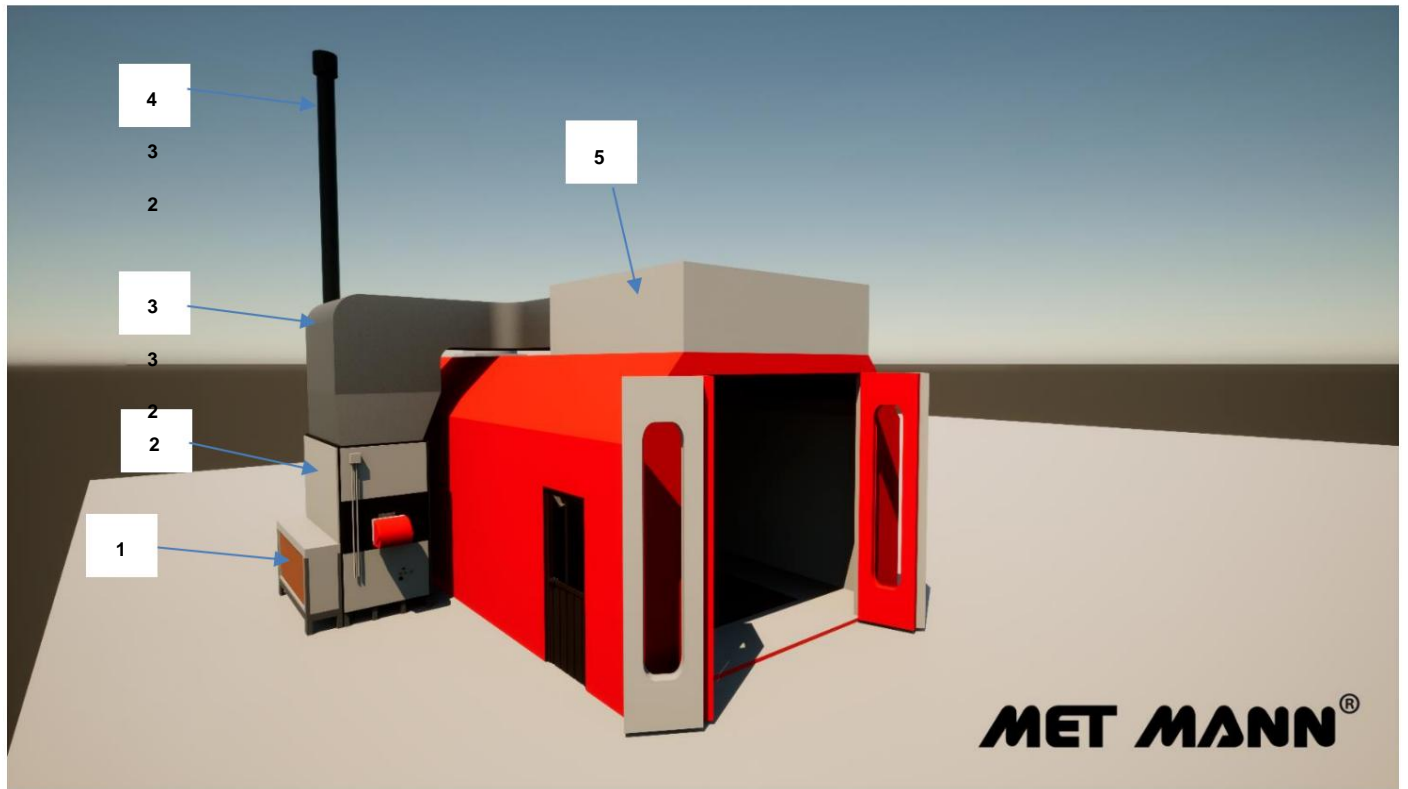
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## Example of installation in a pressurized paint booth



POSITION	DESCRIPTION	UNITS	REF
01	Adiabatic humidifier	1	
02	hot air generator	1	
03	Treated air duct	1	
04	Gas extraction chimney	1	
05	Air distribution plenum	1	

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