



## HUMIDIFIERS

## XUM SERIES

### OVERVIEW

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The XUM Series of humidifiers are equipped with a hydraulic system that allows for a very simple construction resulting in a easy to understand use. Maintenance is simple and economical thanks also to the low cost of spare parts. The electrical control of the XUM Series humidifiers guarantees a proportional type of vapour production quickly reaching the room conditions required and an elevated stability of relative humidity acquired without performance reductions in the system.

#### CHARACTERISTICS :

- Immersed electrodes humidifiers made of anti corrosion stainless steel.
- Proportional production obtained with variable water level.
- Lime scale cleaning of electrodes throw mechanical effect: water entry for topping-up and cleaning of the hydraulic system is made using a comb like jet in between the electrodes. In this way the electrodes contract and the lime scale breaks off.
- Periodic removal of the blocks of lime scale through the patented siphon system.
- Connection with any humidity stat or regulator available on the market without extra costs.
- Possible use of a simple humidity reading probe without regulators.

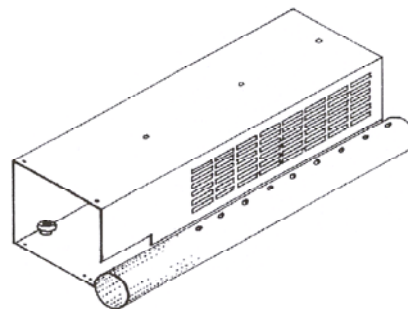
#### MAIN ADVANTAGES :

- Absence of systematic maintenance.
- No regular component replacement.
- 2 year warranty for the boiler.
- Complete working security: in case of blockage in the supply of vapour, the humidifier discharges automatically the water contained, due to a simple physical effect, and the production of vapour is stopped together with the energy used.
- Because the vapour pressure can not be more than 200mm of water, sterile vapour is produced, free of dragged pollutants.
- No energy waste as there is no discharge of boiling water.
- Manufactured with a quality stamp.

#### ACCESSORIES :

**VAPOUR PIPE :** Used for connecting the supply of vapour from the humidifier with the stainless steel distributor in the duct, supplied with the humidifier. Two models are available each with 38 mm internal diameter:

- CALOR PIPE 120 : made from fibre/rubber, very rigid and insulating. Suitable for long connections in cold environments.
- CALOR PIPE 5 : made from corrugated polypropylene. Suitable for short flexible connections.



**VENTILATED GRILL :** Used for distributing the vapour directly in the environment. It is equipped with a stainless steel casing tangent fan in aluminium. The technical characteristics are:

- Power supply of 220V or 380V single faze
- 38mm diameter of vapour entry
- Size 360x100x110 [mm]
- Weight 1.5 kg

**FRAGRANCE FRESHENER :** Used to introduce balsamic fragrances in the flow of vapour when the use is intended for Turkish baths or placed that need to be humidified but at the same time eliminate unpleasant smells. The technical characteristics are:

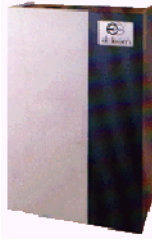
- Plastic fragrance refill
- 12V DC dose pump
- Silicone connection pipe for food applications.
- Size 250x170x110 [mm]



# HUMIDIFIERS

## TECHNICAL CHARACTERISTICS

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Model	Vapour production			Electrical connection				
	Vapour exit [kg/h]	External diameter vapor exit [mm]	Maximum overpressure on vapour side [mmH2O]	Power [kW]	Fazes	Voltage [V] / Maximum current per faze [A]	Cable sections [nr x mm <sup>2</sup> ]	Fuses
XUM-KT03M	3	40	+ 150	2,5	F + N	220 / 12	2 x 4	2 x 20
XUM-KT05T	5	40		4	2F	380 / 12	2 x 4	2 x 20
XUM-KT10T	10	40		7,5	3F	380 / 12	3 x 4	3 x 20
XUM-KT20T	20	40		15		380 / 24	3 x 10	3 x 30
XUM-KT30T	30	40		22,5		380 / 36	3 x 16	3 x 40
XUM-KT40T	40	2 x 40		30		380 / 48	3 x 16	3 x 60
XUM-KT60T	60	2 x 40		45		380 / 72	3 x 24	3 x 90

Model	Hydraulic feed			Sewer discharge	Hygrostatic regulation	Dimensions [mm] / Hz W x D [mm] / Weight [kg]
	Water quality	Pressure [bar]	Connection	Connection diameter [mm]		
XUM-KT03M	not sea, acid or corrosive water	2 - 6	3/4" GAS	40 without siphon	humidity stat on-off or proportional, all models on the market	610x370x210 / 15
XUM-KT05T						
XUM-KT10T						
XUM-KT20T						
XUM-KT30T						
XUM-KT40T						
XUM-KT60T						610x610x210 / 25

All models of humidifiers are supplied with the necessary stainless steel duct distributors.

All models of humidifiers are supplied with a vapour tube 2 meter long.

- Based on patented boiler cleaning system
- Isothermic humidifiers
- Steam exit temperature 110°C
- Mechanical system designed for easy of use and maintenance
- Absence of discharge solenoids
- Lime scale automatic discharge (sediments up to 40mm circumference)
- Silent
- Electronic and non mechanical hydraulic levels
- Absence of mechanical obstructions, both on the steam side and discharge side
- Ideal for serial environments:
  - Hospitals
  - White (clean) rooms



## HUMIDIFIERS

CODES

XUM  
SERIES

Description	Code
220V 50Hz SINGLE PHASE HUMIDIFIER, 3 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40mm, LINEAR STAINLESS STEEL DISTRIBUTOR 400mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT03M
380V 50Hz SINGLE PHASE HUMIDIFIER, 5 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40mm, LINEAR STAINLESS STEEL DISTRIBUTOR 400mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT05T
380V 50Hz SINGLE PHASE HUMIDIFIER, 10 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40 mm, LINEAR STAINLESS STEEL DISTRIBUTOR 450mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT10T
380V 50Hz SINGLE PHASE HUMIDIFIER, 20 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40 mm, LINEAR STAINLESS STEEL DISTRIBUTOR 500mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT20T
380V 50Hz SINGLE PHASE HUMIDIFIER, 30 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40 mm, LINEAR STAINLESS STEEL DISTRIBUTOR 550mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT30T
380V 50Hz SINGLE PHASE HUMIDIFIER, 40 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40 mm, LINEAR STAINLESS STEEL DISTRIBUTOR 500mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT40T
380V 50Hz SINGLE PHASE HUMIDIFIER, 60 kg/h PRODUCTION WITH SINGLE VAPOUR EXIT Ø40 mm, LINEAR STAINLESS STEEL DISTRIBUTOR 550mm LONG AND 2m OF VAPOUR PIPE.	XUM-KT60T

### ACCESSORIES

VAPOUR PIPE, PRICE PER METRE.	XUM-TV
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## DEUMIDIFICATORI

SERIE  
XUD

GENERALITA'  
CARATTERISTICHE TECNICHE

### OVERVIEW :

The XUD series of dehumidifiers with refrigerated cycle, dehumidify using a system that forces ambient air to skim over a serpentine at low temperature; in this way the water condenses and is collected in a water basin at the bottom. Before being released again in the room the air is brought back to the initial temperature. The XUD series of dehumidifiers prevent the formation of moulds, odours, corrosions, oxidations, peeling of paint and bending in furniture. It can be used in environments that require an accurate control of humidity like: museums, computer rooms, hospitals, laundry rooms, storage rooms, swimming pools, call centres, electrical switch board rooms, new constructions, labs, beauty salons, make-up , clothes , leather and fur and musical instruments shops.

Technical data		XUD DRY 20	XUD DRY 28	XUD DRY ULTRA
Dehumidification ability (1)	l/24h	13	18	24
Dehumidification ability (2)	l/24h	20	28	38
Dehumidifiable volume (min/max)	m <sup>3</sup>	110/150	130/180	200/250
Heating power	W	/	/	/
Dehumidification absorption power (1)	W	380	520	685
Nominal absorption during dehumidification (1)	A	1,8	2,2	3
Dehumidification absorbed power (2)	W	450	620	840
Nominal absorption during dehumidification (2)	A	2,1	2,7	3,6
Protection level		IPX1	IPX1	IPX1
Maximum pressure while in use	Mpa	2,5	2,5	2,5
Ventilation speed		1	1	1
Tank capacity	l	10	10	10
Maximum air flow rate	m <sup>3</sup> /h	380	380	480
Product dimension (L x A x P)	mm	310 x 670 x 450	310 x 720 x 450	430 x 855 x 560
Packing dimension (L x A x P)	mm	380 x 770 x 510	380 x 770 x 510	510 x 760 x 510
Noise level (noise pressure)	dB(A)	51	53	56
Noise level (noise power)	dB(A)	60	62	65
Weight without packing	kg	25	27	30
Weight with packing	kg	29	31	34
Refrigerant / Charge	tipo/Kg	R134A / 0,220	R134A / 0,230	R407C / 0,330
Power supply cable (N <sup>o</sup> poles for mq section)		3 x 1	3 x 1	3 x 1,5
Power supply	V - F - Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Supplied tension minimum/ maximum	V	196 / 253	196 / 253	196 / 253
Fuse		10AT	10AT	10AT
Stamp of conformity		CE	CE	CE

Maximum working temperatures DB 35°C - WB 31°C

Minimum working temperature DB 2°C - WB 1°C

Check of dehumidification ability DB 27°C - WB 19°C (27°C - 65% RH)(1)

Check of dehumidification ability DB 32°C - WB 29°C (32°C - 80% RH)(2)



