

VNL TECHNICAL SERVICES CO LLC

# THE PERFECT MISTING SYSTEM



DEAURA

We'll Keep You Comfortable

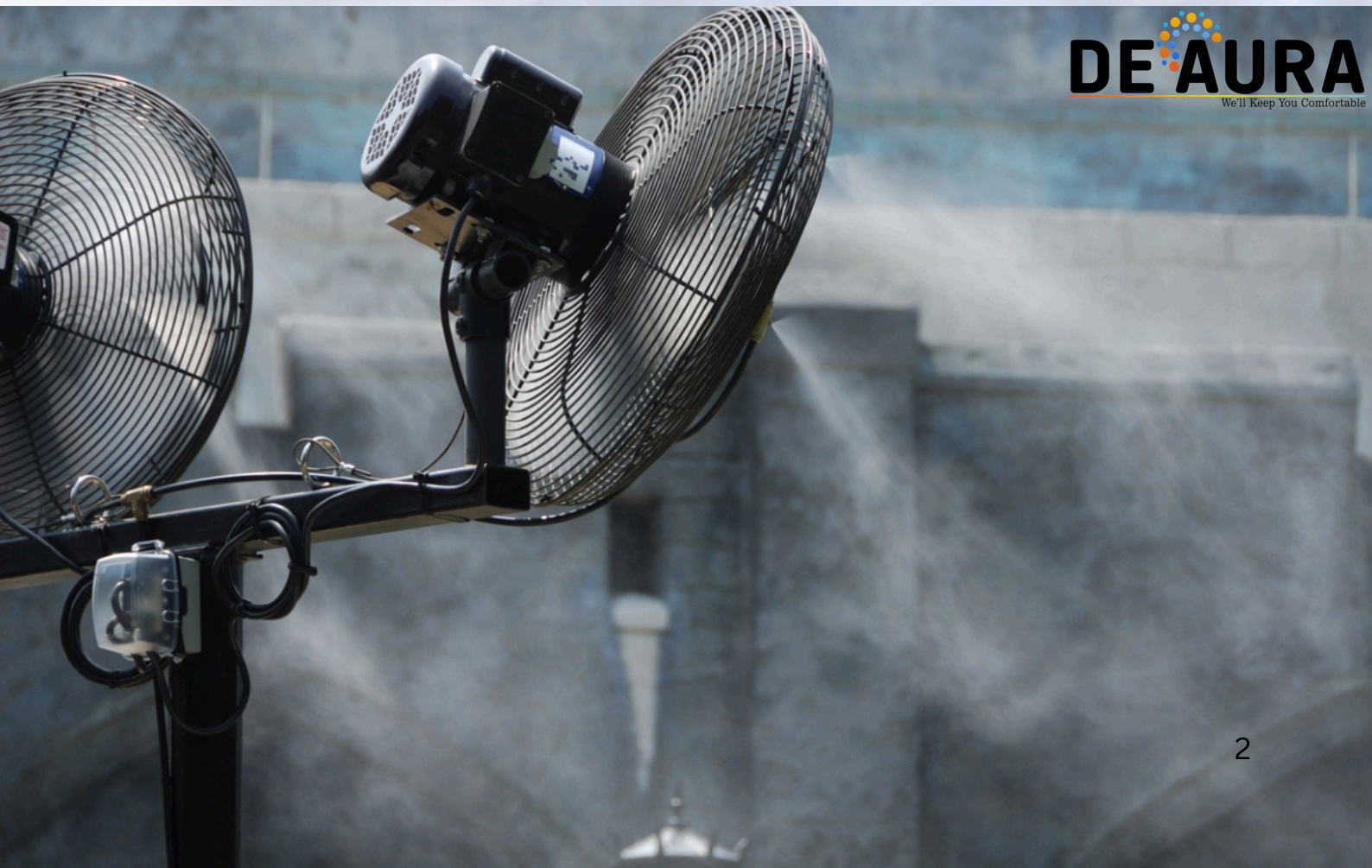


# ABOUT US

**DE AURA** 'S WORLD-CLASS PRODUCTS ARE PRESENTLY SUPPLIED TO HOTELS, RESTAURANTS, FURNISHED APARTMENTS, CATERING AND EVENT COMPANIES, GOVERNMENT DEPARTMENTS, AND MANY OTHER HIGHLY RESPECTED ORGANIZATIONS WITHIN THE UAE AND ACROSS THE GCC. WE COLLABORATE CLOSELY WITH HOSPITALITY/CONSTRUCTION/DEPARTMENT MANAGERS TO ACHIEVE THE BEST RESULTS FOR THEIR PROJECTS.

# OUR VISION

**DE AURA** 'S END-GOAL IS ALWAYS TO SUPPLY AND SUPPORT WITH THE HIGHEST QUALITY, WORLD CLASS, CERTIFIED MISTING SYSTEM AS PER MARKET NEEDS AT AFFORDABLE PRICES.



**DE AURA**  
We'll Keep You Comfortable





# MISTING SYSTEM AND MISTING FANS

MISTING SYSTEM (OR FOGGING) AND MISTING FANS HAVE BECOME POPULAR IN DUBAI AND THE EMIRATES FOR MUCH MORE THAN OUTDOOR COOLING. DE AURA OFFERS ALL HP MISTING SOLUTIONS, PARTS AND FITTINGS, WITH OR WITHOUT FANS. PEOPLE ARE BUYING THE MISTING SYSTEM SO THEY CAN ENJOY A RELAXING EVENING IN THEIR DUBAI'S VILLA EVEN DURING THE HOT SUMMER DAYS. THERE ARE A LOT OF HIGH-PRESSURE MIST APPLICATIONS.



# LOW PRESSURE MISTING PUMPS



SMALL CAPACITY DC MISTING PUMP IS GOOD FOR SMALL SCALE USE. 11 BAR WILL NOT CREATE FOGGING AS 60 BAR MACHINES, HOWEVER, THEY ARE EASY TO USE AND INSTALL.



## 11 BAR A

THIS KIT INCLUDE:

- ONE BOOSTER PUMP, 150 PSI
- 15 X NOZZLES
- 15 X SLIP-LOCK NOZZLE UNION
- 10 X METERS TUBE 3/8
- 1 X END CAP
- 1 X FILTER OUTLET FITTINGS TO 3/8 TUBING

## 11 BAR B

- 20 NOZ/140PSI DISINFECTANT MIST SPRAY KIT

1. SILENT LOW NOISE DC PUMP
2. SELF-SUCTION FROM TANK (LIKE DISINFECTANT TANK)
3. LOW POWER CONSUMPTION

COMPLETE MIST SPRAY KIT WITH ALL ACCESSORIES. EQUIPPED WITH PIR MOTION SENSOR ON BOX. EASY TO SETUP AND USE FOR MANY MISTING APPLICATIONS INCLUDING DISINFECTANT SPRAYING @140PSI PRESSURE (~10BAR). YOU CAN EXPECT SOME WETNESS AT THESE PRESSURE RANGES, STILL THIS KIT IS ONE OF BEST CHOICES IN IT CATEGORY. IF YOU NEED HIGH-PRESSURE DENSE FOGGING SOLUTION, PLEASE CHECK OUR 50BAR+ PRESSURE KITS INSTEAD.

|                |              |                 |
|----------------|--------------|-----------------|
| SPECIFICATIONS | Power        | 45W             |
|                | Adapter      | 24vdc           |
|                | Flow         | 1.6 L/Min       |
|                | Pressure     | 140PSI (~10bar) |
|                | Suction lift | <5m             |



# HIGH PRESSURE MISTING PUMPS



## APPLICATION SCOPE OF MISTING MACHINE HUMIDIFICATION

- MOSQUITO REPELLENT
- LOWER TEMPERATURE
- DISINFECTION
- LANDSCAPING
- DEODORANT
- DUST-CLEANING
- TO PREVENT STATIC ELECTRICITY

## THE PERFORMANCE FEATURES OF MISTING MACHINE STANDARD:

- TIME CONTROL
- HIGH-TEMPERATURE SHUT DOWN PROTECTION

## OPTIONAL:

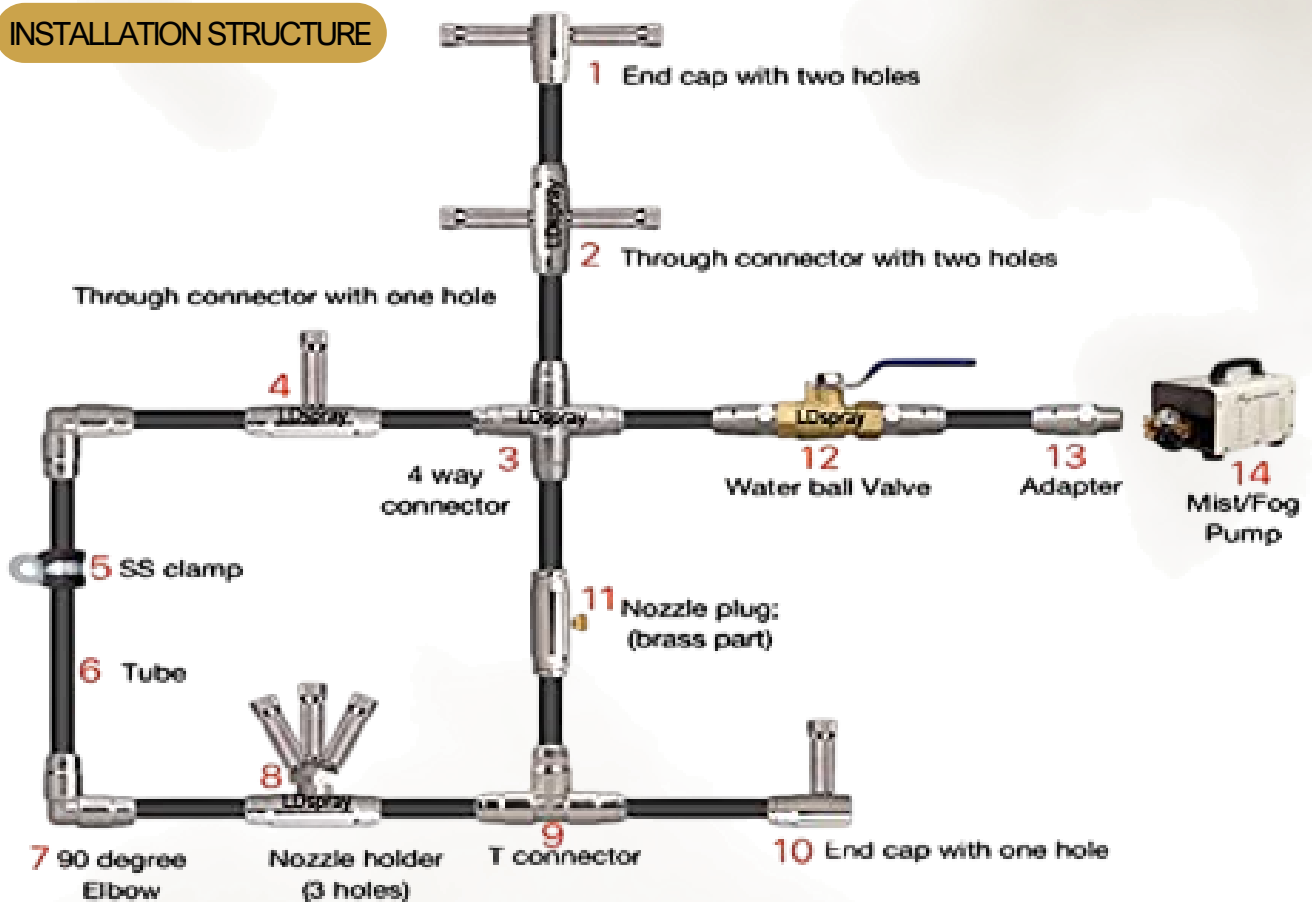
- HUMIDITY CONTROL
- THE FUNCTION OF STOPPING WATER
- THE FUNCTION OF DECOMPRESSION

| CAPACITY | VOLTAGE       | POWER | WEIGHT | PSI/BAR | DIMENSIONS    | PIPE-NOZZLES |
|----------|---------------|-------|--------|---------|---------------|--------------|
| 1LPM     | 220V/50HZ     | 300W  | 13KG   | 1000/60 | 480*275*335mm | 20M -20      |
| 2LPM     | 220V/50HZ     | 360w  | 14KG   | 1000/60 | 482*273*338mm | 45M-40       |
| 4 LPM    | 220V/50HZ     | 800W  | 16KG   | 1150/80 | 485*285*345mm | 60M-75       |
| 6 LPM    | 220V/50HZ     | 1.5kw |        |         |               | 150M-130     |
| 8LPM     | 220V/50HZ     | 1.7kw |        |         |               | 200M -150    |
| 15 LPM   | 220V/50HZ 3PH | 3kw   |        |         |               | 300M-280     |



# NOZZLES AND FITTINGS

## INSTALLATION STRUCTURE





# NOZZLES

**NOZZLE** IS A SIMPLE DEVICE USED TO BREAK APART A FLUID FLOW INTO A SPRAY PATTERN. OUR PRODUCT RANGE CONSISTS OF DIFFERENT SIZES AND APPLICATIONS, THE TYPE OF **NOZZLES** USED, CORRESPONDING FLOW RATE, THE NUMBER AND TYPES OF FITTINGS. EVERY **NOZZLE** WILL SPRAY LESS WATER AT LOWER PRESSURES THAN AT HIGH PRESSURES. IN FACT, CERTAIN MIST **NOZZLES** WILL NOT WORK AT ALL AT LOWER WATER PRESSURES. AS THE WATER PRESSURE AT THE NOZZLE INCREASES, THE FLOW RATE THROUGH THE NOZZLE INCREASES. THE HIGHER THE WATER PRESSURE, THE SMALLER THE **NOZZLE** OPENING YOU'LL NEED.

| ORIFICE                              | PSI  | IMAGES                                                                                |
|--------------------------------------|------|---------------------------------------------------------------------------------------|
| 0.15MM<br>Standard 10/24" connection | 1000 |    |
| 0.2MM<br>Standard 10/24" connection  | 1000 |  |
| 0.3MM<br>Standard 10/24" connection  | 1000 |  |
| 0.4MM<br>Standard 10/24" connection  | 1000 |  |
| 0.5MM<br>Standard 10/24" connection  | 1000 |                                                                                       |



# FITTINGS



TEE



SINGLE NOZZLE FITTING 3/8"



TWO WAY NOZZLES FITTINGS 3/8"



3/8 SLIP LOCK T CONNECTOR NICKEL PLATED



ELBOW



NICKLE PLATED CONNECTOR 3/8"



3 WAY NOZZLES FITTINGS 3/8"



3/8" SLIP LOCK CONNECTION



3/8" 2 WAY NOZZLE FITTING CONNECTION



3/8" SS316 HIGH PRESSURE PIPE



VALVE SWITCH



PIPE CLAMP



ADAPTER



END PLUG



3/8" POLYAMIDE PIPE (NYLON) COLOR: BLACK  
MAXIMUM PRESSURE: 180BAR  
BURST PRESSURE: 300BAR



MISTING RINGS



HIGH PRESSURE NOZZLES  
MATERIAL: SS304 INCH SIZE: 1/4",  
SPRAY PATTERN: FLAT FAN  
SPRAY ANGLE: 0 - 65 DEGREES  
THREAD: BSPT MALE

# HIGH PRESSURE MISTING CONTROLLER

**DEAURA** MISTING CONTROLLER IS THE MOST SPECIALIZED HIGH-PRESSURE MISTING CONTROLLER DEVELOPED IN UAE.

## **SPECIFICATIONS:**

- POWER SUPPLY: 24 VDC
- DIMENSION: 134\*102\*30MM
- CUTOUT SIZE: 119\*93MM
- DISPLAY SIZE: 97\*56MM
- RESOLUTION: PIXELS 480\*272

**BACKED WITH MANY FEATURES THAT TURNS ANY STANDARD MISTING SYSTEM TO DO MANY SOPHISTICATED TASKS:**

- CYCLING WORK/REST TIMER.
- THE PUMP START ON REST COOL-DOWN TIMER FOR MORE SYSTEM PROTECTION.
- DAILY SCHEDULE TIMER (DEFAULT 5 SLOTS/DAY), FOR EACH DAY.
- HUMIDITY CONTROL (WORKS WITH 0-10V SENSOR, SENSOR NOT INCLUDED BY DEFAULT).
- TEMPERATURE CONTROL (WORKS WITH NTC SENSOR, SENSOR NOT INCLUDED BY DEFAULT).
- FUZZY MIXED CONTROL INCLUDING ANY COMBINATION OF ABOVE CONTROL MODES.
- PROTECTION DIGITAL INPUTS (EX: FOR PRESSURE SWITCH): UP TO 6 INPUTS (1 INCLUDED BY DEFAULT).
- PUMP RELAY OUTPUT (5A /24V), USE IN COMBINATION WITH AUXILIARY RELAY/CONTACTOR.
- OPTIONAL DIGITAL OUTPUTS (UP TO 6) TO INTERFACE TO OTHER SYSTEMS (NOT INCLUDED BY DEFAULT).



# MISTING FANS



**DE AURA**  
We'll Keep You Comfortable

## 20" INDUSTRIAL FAN PRO



| 20" Fan               |                                |
|-----------------------|--------------------------------|
| Air Flow              | 5,760 m3/h                     |
| Wings                 | 3 Aluminum Casting Wings       |
| Max RPM               | 1,290                          |
| Material              | Galvanized Sheet Steel Painted |
| Color                 | Black                          |
| Weight                | 6.0kg / 9.2kg                  |
| Water Protection Rate | IP20                           |
| Max Noise             | 48.2 db                        |
| Power                 | 113W                           |
| Installation          | Stand Alone / Wall Mounted     |

## 24" INDUSTRIAL FAN PRO

| 24" Fan               |                                |
|-----------------------|--------------------------------|
| Air Flow              | 12,600 m3/h                    |
| Wings                 | 4 Aluminum Casting Wings       |
| Max RPM               | 910                            |
| Material              | Galvanized Sheet Steel Painted |
| Color                 | Black                          |
| Weight                | 13.5kg / 20.5kg                |
| Water Protection Rate | IP54                           |
| Max Noise             | 52.8 db                        |
| Power                 | 142W                           |
| Installation          | Wall Mounted                   |

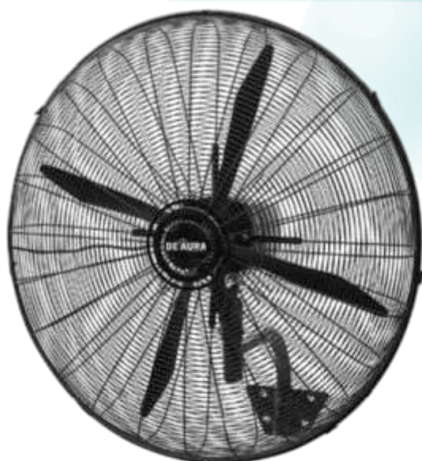




# MISTING FANS



**DE AURA**  
We'll Keep You Comfortable



## DE AURA WALL MOUNTED MISTING FAN LITE 30"

### SPECIFICATIONS:

Size: 30 inches (660mm)  
Speed Flow: 1,350 RPM  
Power Consumption: 230 watts  
Power Supply (V/Hz): 220-240V  
Mechanism: 90° Oscillating  
IP Rating: 34  
Sound Effective: 64 dB



## De Aura AMERICAN SHAPE WALL FAN 26"

### SPECIFICATIONS:

26-inch Industrial Grade 3-Speed  
Oscillating Fan  
Cast Iron Motor Casing  
Constructed of Powder Coated Steel  
for Long-Lasting Durability  
10-foot, 3-conductor type SPT Power Cord  
Comes with a wall mounting bracket,  
3 blades, Adjustable Pendulum Angle  
Power Supply: 220/ 50HZ  
Rated Power: 230W/ IP65



## DE AURA AMERICAN SHAPE WALL FAN 24"

### SPECIFICATIONS:

115 / 230 volts  
7.0 / 3.5 amps  
Thrust CMF / Watt: 10.8  
Thrust CFM: 5,370  
Thrust: 5.8  
Thrust Eff Ratio: 11.6  
KW: 0.5  
Speed: 1  
Drive: Direct  
Prop: 3-ALM  
Fpm: 940m3/H  
24" diameter, Blade 3  
Blade, guard & mouths are powder coated  
steel  
Has ETL, OSHA compliances



VNL TECHNICAL SERVICES CO LLC

# THE PERFECT MISTING SYSTEM



**DE AURA**  
We'll Keep You Comfortable

ADDRESS: WAREHOUSE NO 8, STREET # 13TH, AL QUSAIS INDUSTRIAL AREA 2, DUBAI, UAE  
EMAIL: SALES@VNLTECHNICAL.COM CONTACT: +971 50 2251056 WHATSAPP: +971 50 2251056