MEIYAN · ENVIRO TECH

High-Pressure Misting Systems

Landscape fog · Outdoor cooling · Dust & odour control · Mosquito suppression

Design · Manufacture · Installation · Service

Company

Dongguan Meiyan Environmental Technology Co., Ltd.
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Catalogue 2026 · Specifications customised per project

01 — COMPANY

A misting systems supplier built on parameters and site conditions

We design, manufacture, install and maintain high-pressure misting systems for classical gardens, private courtyards, scenic areas, commercial landscapes, greenhouses, livestock barns and dust-heavy industrial sites. More than a decade in misting and smart mosquito suppression.

70–100 bar	5–15 μm	≥ 5 years
Working pressure	Droplet size	Host design life

Credentials

- **High-tech enterprise** — independently developed high-pressure micro-mist, airflow disturbance and bio-repellent technology.
- **Core patents** — patents and IP on the misting host and its smart control.
- **Quality system** — quality management applied across production and engineering service.
- **Product testing** — tested for environmental and safety requirements; mosquito media is animal-friendly and can be used in food-grade premises.

What we do in one contract

Site survey → proposal and quote → material preparation → installation → commissioning and training → maintenance. One team owns the result, so the boundary between “equipment” and “site” is not left to chance.

02 — PRODUCTS

Six product lines, customised per project



High-pressure misting host

70–100 bar plunger pump, multi-zone control, PLC + remote app.



Nozzles & fittings

0.15 / 0.2 / 0.3 mm orifices, quick-connect fittings, ruby-core nozzles.



Piping & fog rings

Copper, stainless and high-pressure PE lines; ring assemblies.

Zone control cabinet

Timed zoning, sensor interlock, local override.



Mosquito misting system

PURETON cabinet unit, mobile, scheduled spraying per zone.



Mobile cooling unit

For temporary events and sites where piping is not an option.

Host specification (MYF-7001)

WORKING PRESSURE	70–100 bar	**DROPLET SIZE**	5–15 µm
HOST POWER	1.5–7.5 kW	**FLOW**	10–120 L/min
COVERAGE	500–10,000 m²	**NOZZLE ORIFICE**	0.15 / 0.2 / 0.3 mm
CONTROL	Constant pressure + PLC touch screen + remote app	**FILTRATION**	5 µm
NOISE	≤ 65 dB(A)	**PROTECTION**	IP55
AMBIENT	1–60 °C	**SAFEGUARDS**	Dry-run, over-pressure, filter-clog alarm, auto relief

Models and parameters are customised per project; final values are confirmed in the proposal.

03 — APPLICATIONS

Seven applications, one engineering language

Outdoor cooling

Terrace, plaza and semi-open dining; zoning by wind and seating layout.

Landscape fog

Garden, pavilion and waterside scenes; visibility first, no wet paving.

AC condensers & equipment decks

Pre-cool condenser inlet air on rooftops and technical platforms.

Greenhouses

Humidity restoration with sensor interlock; disease risk controlled.

Livestock barns

Fence-line and in-shed cooling with ventilation coordination.

Mosquito suppression

Scheduled fine-mist spraying; animal-friendly media.

Industrial dust & odour

Dust suppression at transfer points; odour control for waste sites.

Why zoning matters

One host, very different results: zones, nozzle type, mounting height and control decide the outcome.

04 — SELECTED REFERENCES

Projects, photographed on site



Chinese garden fog scenery

Pavilion, pond and bamboo linked by fog without wetting stone.

Rooftop AC condenser misting

Inlet-side mist curtain on a residential technical deck.



Scenic walkway cooling

Node-based cooling that turns a long walk into stop points.



City plaza misting

Zoned with interleaved operation between two towers.

05 — QUALITY AND TERMS

What happens after you enquire

STEP	WHAT YOU GET
1. Call or email	First opinion from an engineer on scenario, area and feasibility
2. Site survey	**Free**; area, height, water pressure, power location and wind — usually one day
3. Proposal and quote	Host rating, nozzle count, zoning, layout drawing, itemised quote — **within 48 h of survey**
4. Order and materials	Configuration list and schedule confirmed; piping made to drawing
5. Installation	Host siting, concealed piping, sealed joints — small/medium projects **1–3 days**
6. Commissioning	Zone-by-zone tuning and on-site training

Warranty and customisation

- **Warranty** — 12 months on the machine with free maintenance during the period; lifetime maintenance afterwards.
- **Consumables** — nozzles ≈ 2 years, filters checked quarterly; host design life 5+ years.
- **Customisation** — voltage/frequency (220/380 V, 50/60 Hz), control (timer / sensor / PLC / app), pressure and flow ranges, colour and nameplate language.
- **OEM / ODM** — discussed per project; MOQ and lead time depend on configuration.

Quote boundary

Included: host, piping and nozzles, control, ancillaries, survey, installation and commissioning.
Not included: civil works and the power run to the distribution board.

06 — CONTACT

Tell us the scene and the area

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A free site survey is available for projects in Guangdong; for other regions we start from drawings, photos and coordinates.

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