MEIYAN · ENVIRO TECH — DATASHEET

High-Pressure Misting Host

Model MYF-7001 · plunger pump host with multi-zone control · garden fog, greenhouse humidification, outdoor cooling



70–100 bar | 5–15 µm | 1.5–7.5 kW | IP55 | ≤ 65 dB(A)

Technical data

WORKING PRESSURE	70–100 bar
DROPLET SIZE	5–15 µm
HOST POWER	1.5–7.5 kW
FLOW RATE	10–120 L/min
COVERAGE	500–10,000 m² (by host rating and nozzle count)
NOZZLE ORIFICE	0.15 / 0.2 / 0.3 mm
CONTROL	Constant pressure + PLC touch screen + remote app; timer / sensor interlock
FILTRATION	5 µm multi-stage, clog alarm
NOISE	≤ 65 dB(A)
PROTECTION CLASS	IP55
AMBIENT TEMPERATURE	1–60 °C
SAFEGUARDS	Dry-run, over-pressure, filter-clog alarm, automatic pressure relief
DESIGN LIFE	Host ≥ 5 years · nozzles ≈ 2 years

Highlights

- **Industrial plunger pump** — stable pressure at the nozzle, even on long runs and multiple zones.
- **Multi-zone control** — zones start and stop independently, avoiding water build-up on paving and stone.
- **Fine droplets** — 5–15 µm evaporates before reaching the ground, so surfaces stay dry.
- **Runs unattended** — timer and sensor interlock operate on sunrise, sunset and opening hours.
- **Serviceable** — nozzles and filters are routine consumables, checked quarterly.

Typical configuration

Host, stainless or copper main line, zone valves, nozzles on risers or ring assemblies, control cabinet, filtration set. Models and parameters are customised per project; the configuration list in the proposal is the binding reference.

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