

Cooling

Humidifying

Dust Suppression

Energy saving

Running cost is only 1/10 that of standard air conditioning.

Non-wetting

Sprays large volume of Semi Dry Fog® with 20-30µm droplet diameters.

Wide coverage

Efficient, widespread cooling effect, reaching as far as 50m with a large fan.

Middle / Long Distance Type CLJ-370



- For event spaces, gymnastic halls, indoor factories and similar large spaces.
- Place required large amount of fog volume.

Floor Type CLJ-S-D



- For small areas like rest spaces.
- Operate it as spot cooler.

Silent Type CLJ-300



- Place requiring quiet operation, such as event sites.
- For shopping malls, station yards, etc.

Indoor Type CLJ-250



- For large indoor rooms such as cafeterias, meeting rooms, classrooms, etc.
- Can be used for cooling in the summer and as humidifier in the winter.

For details, please inquire with your local sales representative.

 “The Fog Engineers”
H. IKEUCHI & CO., LTD.
ISO9001:2008 certified

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By Semi-Dry Fog®

No.CLJ-Dome130329-3R/E

Cooling system for indoor large-scale facilities

COOLJetter® Dome



**Large space
cooling**

Cools effectively even in large-scale spaces including buildings with open doorways and semi-enclosed areas.

**Low operating cost,
Energy savings**

Electric power consumption is only 1/10 that of standard air conditioning.

Minimal CO₂ emission

Because almost no waste heat is generated, the unit is suited to CO₂ Emission Control.

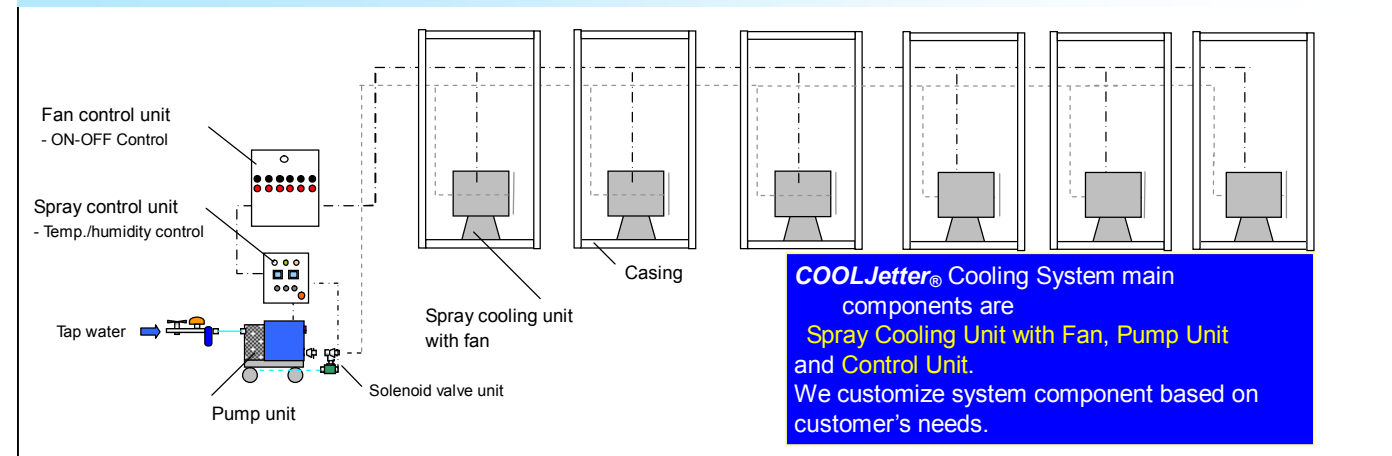
Easy operation

Requires only a power source and tap water to start operation.

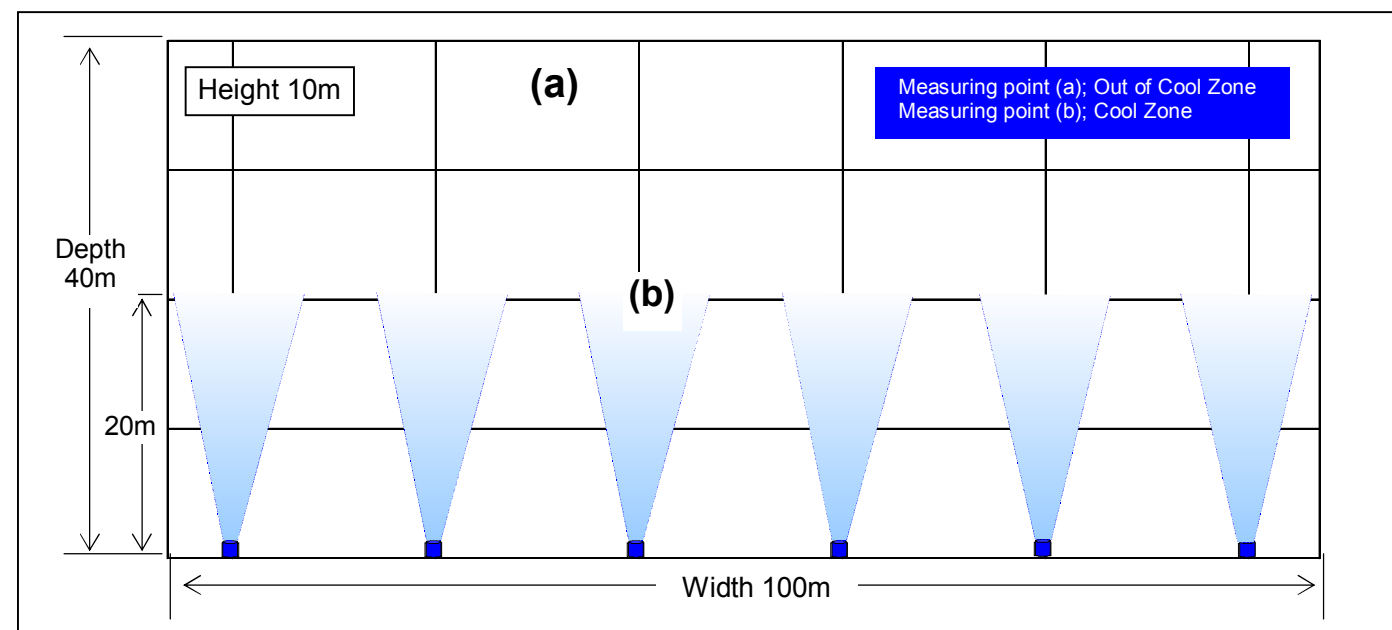
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COOLJetter[®] Dome Case Study

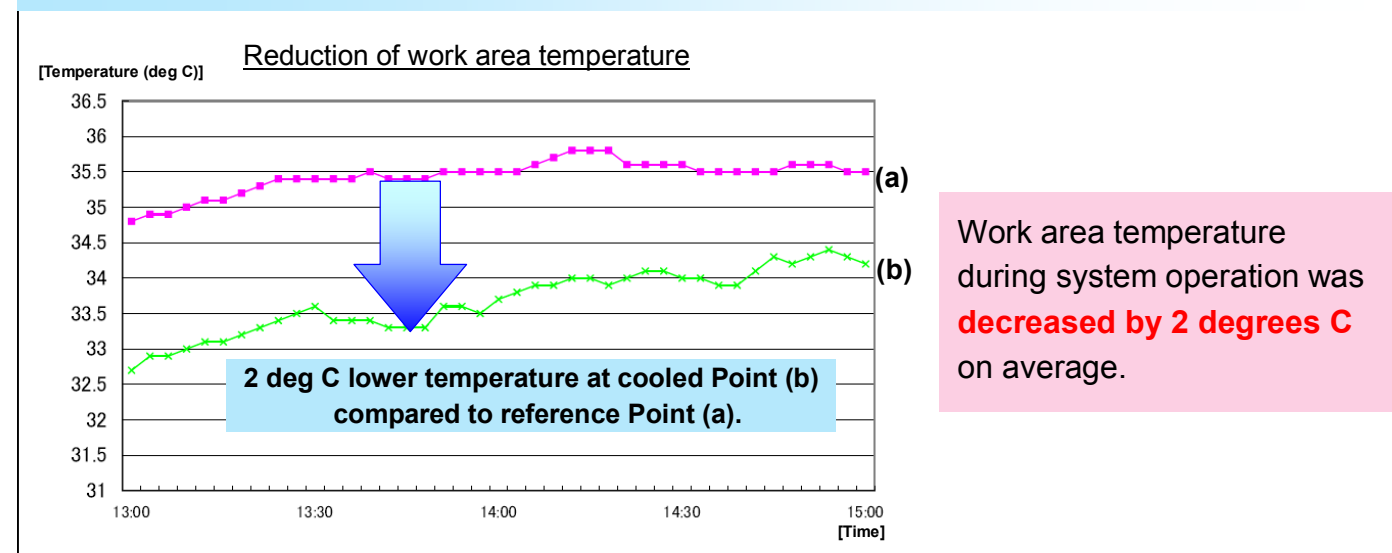
Typical system layout



Typical installation layout for cooling target volume of 40,000m³



Test result



Example of operating costs



- Condition
 - 1) Spray Volume : 0.508m³/hr (6 units)
 - 2) Operating time : 10hrs x 25days
 - 3) Electricity unit cost : USD 0.12/kWh
Water unit cost : USD 1.5/m³
- Electricity Cost
 - 1) Consumption : 1.5kW (Pump Unit), 11.4kW (Fan)
 - 2) Cost : USD 387/month
= 12.9kW x 10hrs x 25days x USD 0.12
- Water Cost
 - 1) Spray Volume : 127m³/month
= 0.508m³/hrs x 10hrs x 25days
 - 2) Cost : USD 190.5/month = 127m³ x USD 1.5

COOLJetter[®] Dome is
Energy-saving system with minimal operating cost!

Even if the place to be cooled is a large-scale facility (floor area approx. 4000m²)

Operating Cost per month is **USD 577.50**

* will differ by area

Customer's Voice

- Improved our working environment!
- Dropped work area temperature by 2 to 3 deg C.
- We need more units for other sites!
- One unit can provide cooling coverage over a wide area!