



Evaporative Cooling System Solutions

1. Customized System Design:

- **Site Analysis:** Conducting a thorough analysis of your space, climate conditions, and cooling requirements to design a customized evaporative cooling system.
- **Tailored Solutions:** Providing tailored system designs that optimize air circulation and cooling efficiency for your specific needs.

2. Evaporative Cooling Units:

- **Direct and Indirect Systems:** Offering both direct and indirect evaporative cooling units to cater to different space and humidity requirements.
- **High-Efficiency Media:** Utilizing high-efficiency cooling media to maximize heat absorption and evaporative cooling effects.

3. Ducted and Non-Ducted Systems:

- **Ducted Systems for Zoning:** Implementing ducted systems for zoning capabilities, allowing precise cooling in specific areas.
- **Non-Ducted Solutions for Flexibility:** Providing non-ducted solutions for flexibility in installation and quick deployment.

4. Key Features:

- **Energy-Efficient Operation:**

Low Power Consumption: Designing evaporative cooling systems with low power consumption, ensuring energy efficiency and cost savings.

Variable Speed Fans: Incorporating variable speed fans for adaptive cooling, adjusting airflow based on real-time temperature and humidity conditions.

- **Water Efficiency:**

Smart Water Usage: Implementing smart water usage strategies to minimize water consumption while maintaining effective cooling.

Recirculation Systems: Introducing recirculation systems to optimize water usage by continuously reusing and filtering water within the system.

Technical Data Sheet



- **Smart Controls and Automation:**

Building Automation Integration: Integrating evaporative cooling systems with building automation systems for centralized control.

Smart Sensors: Utilizing smart sensors to monitor temperature, humidity, and air quality, enabling automated adjustments for optimal comfort.

5. Maintenance-Friendly Design:

- **Easy Access Panels:** Designing systems with easy-access panels for simplified maintenance and regular cleaning.
- **Remote Diagnostics:** Enabling remote diagnostics for proactive issue identification and efficient troubleshooting.

6. Client Satisfaction:

- **Thorough Consultation and Needs Assessment:**

Client Collaboration: Engaging in comprehensive consultations to understand client expectations, budget constraints, and cooling requirements.

Needs Assessment: Conducting a detailed assessment to align evaporative cooling solutions with the unique characteristics of each space.

- **Transparency and Communication:**

Transparent Proposals: Providing transparent proposals with clear breakdowns of costs, installation timelines, and system specifications.

Regular Project Updates: Maintaining open lines of communication throughout the project to keep clients informed about progress and potential adjustments.

7. Customization for Optimal Performance:

Tailored Cooling Strategies: Developing customized cooling strategies that address specific challenges in different areas of the facility.

Adaptive Controls: Implementing controls that adapt to changing environmental conditions, ensuring optimal cooling performance under varying scenarios.

Technical Data Sheet



AirQon Synergies

8. Timely Project Delivery:

- **Efficient Project Management:** Employing efficient project management practices to adhere to project timelines and ensure timely completion.
- **Proactive Issue Resolution:** Taking proactive measures to address potential challenges promptly, minimizing disruptions during installation.

9. Comprehensive Training Programs:

- **Occupant Training:** Offering comprehensive training programs for building occupants to maximize the benefits of the evaporative cooling system.
- **Facility Management Training:** Providing in-depth training for facility management teams on system operation, maintenance, and troubleshooting.

10. Post-Installation Support and Optimization:

- **Performance Monitoring:** Implementing continuous performance monitoring of the evaporative cooling system post-installation.
- **Optimization Recommendations:** Providing recommendations for system optimization based on performance data and evolving cooling needs.

11. Energy Consumption Analysis and Reporting:

- **Regular Energy Audits:** Conducting regular energy audits to assess the efficiency of the evaporative cooling system.
- **Detailed Reporting:** Providing clients with detailed reports on energy consumption, efficiency improvements, and potential cost-saving measures.