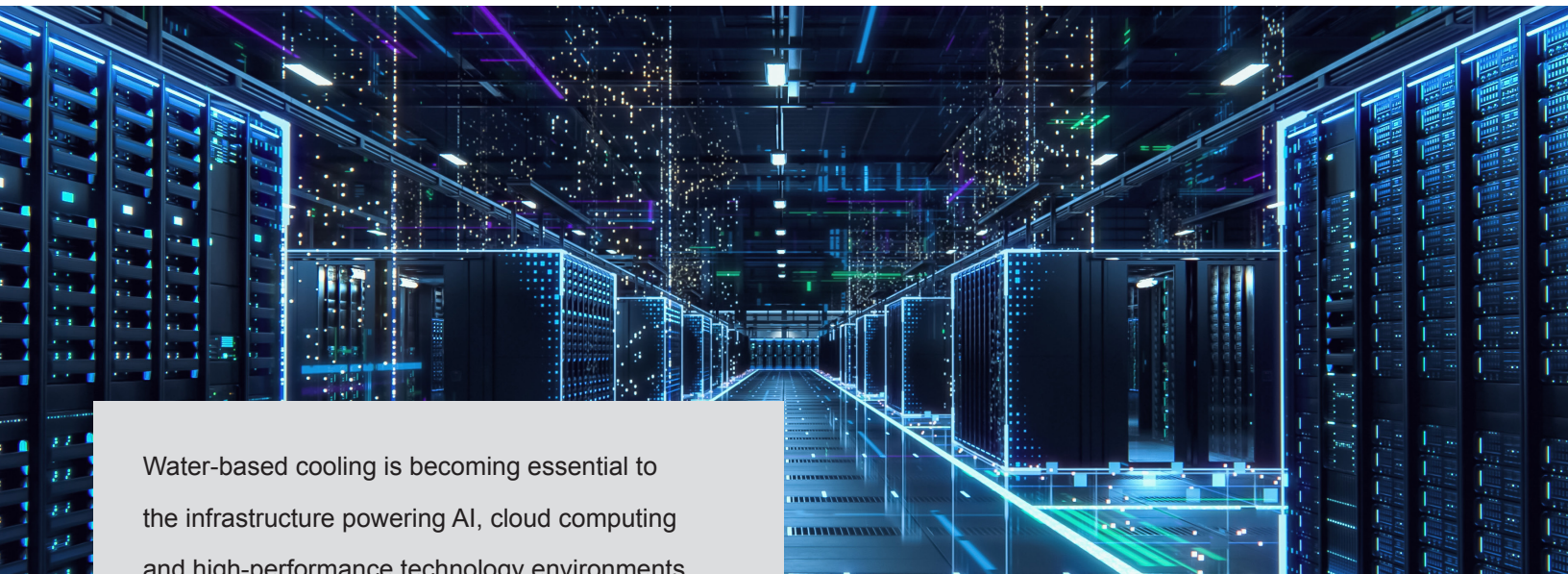




MISSION-CRITICAL THERMAL MANAGEMENT



Water-based cooling is becoming essential to the infrastructure powering AI, cloud computing and high-performance technology environments.

As computing densities increase and thermal demands intensify, water remains one of the most scalable, energy-efficient and reliable methods for managing heat in mission-critical systems.

In environments where downtime can cost millions per hour, thermal stability becomes infrastructure protection. When uptime is non-negotiable, leading organizations rely on water-based thermal systems to maintain performance, efficiency and operational continuity.

For more than 80 years, Amtrol has engineered water system solutions trusted in demanding commercial and industrial applications. Today, that legacy of reliability helps support the next generation of mission-critical infrastructure.

Benefits of Amtrol Water System Solutions for Mission-Critical Thermal Management

Protect Uptime

- Prevent thermal shutdowns
- Maintain stable operating conditions
- Reduce risk of system failure

Improve System Performance

- Maintain temperature consistency
- Support high-density cooling environments
- Reduce equipment cycling

Enhance Long-Term Reliability

- Extend equipment lifespan
- Reduce maintenance issues
- Enhance overall system efficiency
- Industry Leading 3-Year Warranty

Common Applications

Data Centers

Semiconductor Fabs

Healthcare

Industrial Facilities

Power Plants

Commercial HVAC

Engineered for the thermal demands of next-generation infrastructure.



Thermal Management Systems for Critical Infrastructure

Amtrol® ASME-certified products support water-based cooling systems designed for mission-critical thermal management in high-performance computing and technology environments. Trusted by consulting engineers, data center designers and critical infrastructure operators, Amtrol solutions help maintain system stability, efficiency and uptime.

Thermal Management Package

Integrated thermal management packages combine thermal storage, expansion management and air/dirt separation into a coordinated water-based cooling solution designed to support uptime, system stability and long-term reliability in mission-critical environments.



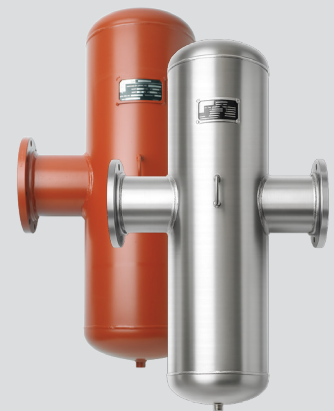
Thermal Energy Storage Tanks

- Stabilizes heating and chilled water system loads.
- Reduces equipment cycling and improves efficiency.
- Maintains consistent system temperatures.
- Available in vertical and horizontal configurations.



Expansion Management Tanks

- Maintains system pressure stability.
- Protects critical thermal system equipment.
- Supports reliable heating and chilled water operation.
- Available in bladder and diaphragm configurations.



Air and Dirt Separators

- Removes entrained air and particulate contamination.
- Improves system efficiency and heat transfer performance.
- Protects pumps, valves, and critical system equipment.
- Reduces maintenance requirements and operational issues.
- Supports reliable heating and chilled water system operation.

Custom sizes and configurations available upon request.



The Amtrol Advantage™

- 80+ years of engineered water system expertise
- ASME-certified product portfolio
- ISO 9001:2015 manufacturing
- Proven reliability in demanding applications
- Engineering and application support
- Computational fluid dynamics

