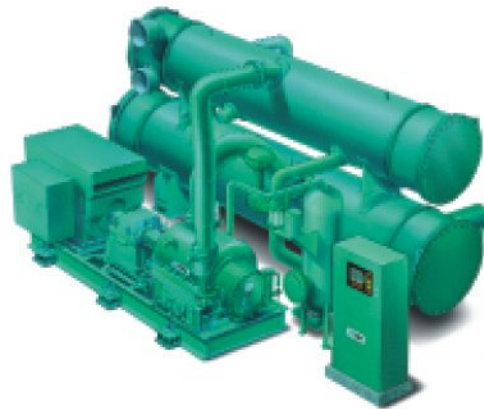




Total HVAC&R Solutions for Airports



 **YORK[®]**



Experience

To create comfortable conditions in an environment with a constantly changing load profile, airports rely on cooling systems that supply large volumes of clean, cool air throughout the facility. Conditioned areas include terminal and gate areas, operations centers, ground support, and concourse enterprises — shops, arcades, restaurants, and office centers for business travelers. YORK chiller and air-handling solutions provide total passenger comfort while helping airports operate more cost effectively and reliably.

Reputation

As the world leader in industrial cooling and refrigeration, YORK is a major supplier to many airports, including Denver International Airport, John F. Kennedy International Airport, and King Fahd International Airport. Our products, dedicated to specific objectives, range from energy-saving variable-speed electric chillers, to parallel-drive line chillers driven by electricity or alternate technologies that respond to back-up requirements.

Economy

Since airport facilities face an ever changing load profile and are built with multiple entrances, foyers, lounges, concourses, terminals, ramps, and architectural details — such as glass areas and high ceilings — economical cooling is a challenge. To minimize air-conditioning costs, YORK solutions produce savings in three areas:

Capital cost savings YORK offers a wide range of products and solutions allowing selections that strike a balance between initial investment and life-cycle cost.

Energy savings Air conditioning can represent better than half of the airport's total energy costs. Available energy is used to its maximum efficiency by electric-chiller designs that operate as low as .20 kW/ton — or models that use economical energy sources such as natural gas or steam. Economizer options on air handling products provide “free cooling” using outside air.

Maintenance savings YORK control technology simplifies information access and troubleshooting. Open-drive compressors and readily accessible units are designed to keep service and maintenance costs low.

Capability

Cost pressures to keep operations running efficiently and reliably put tremendous pressure on the HVAC&R plant. In response, YORK provides comprehensive capabilities that offer genuine assistance in engineering, design, procurement, installation, commissioning, service, on-site operations, and capital-cost reduction.

Single-Source Solutions

Plant owners and operators can confidently rely on YORK as their single-source provider for HVAC&R solutions. Only YORK can focus world-class capabilities and local commitment to meet demanding turnarounds for retrofits, startup and commissioning of new installations. We can ensure uptime for existing operations — plus provide engineering, design consultation, on-site operations, and even arrange to retain equipment ownership.

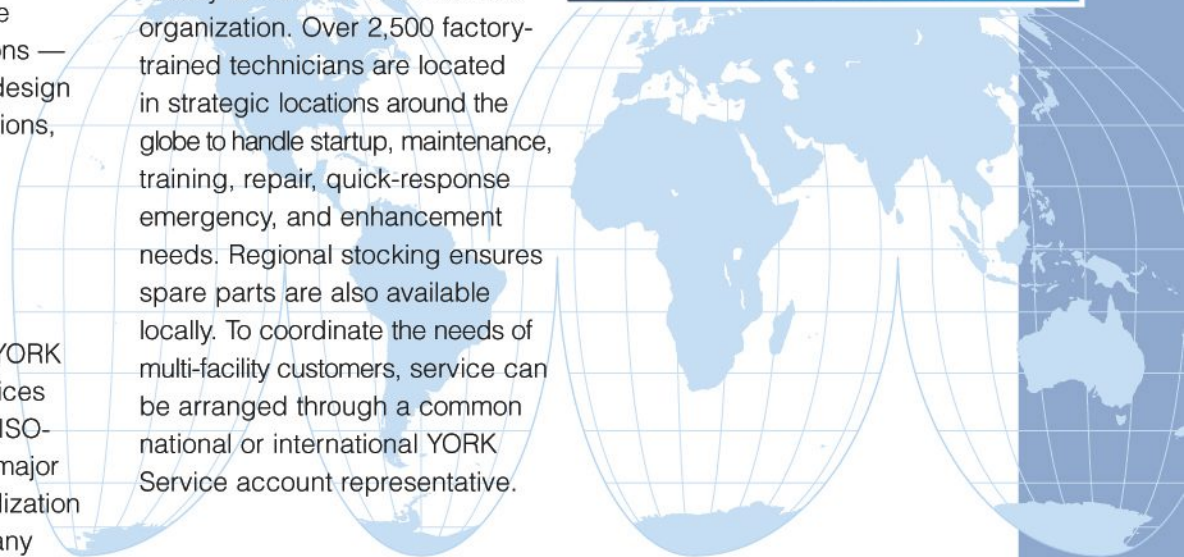
Manufacturing Capability

As a global manufacturer, YORK operates factory-owned offices in over 100 countries, plus ISO-9001-certified plants in all major geographic regions. Globalization makes it possible to meet any

international wiring and pressure vessel code, including China Code and GOST, as well as to source product from multiple plants to meet your delivery deadlines.

Service Capability

To support daily operations, YORK Service offers the capabilities of the world's largest factory-owned HVAC&R service organization. Over 2,500 factory-trained technicians are located in strategic locations around the globe to handle startup, maintenance, training, repair, quick-response emergency, and enhancement needs. Regional stocking ensures spare parts are also available locally. To coordinate the needs of multi-facility customers, service can be arranged through a common national or international YORK Service account representative.



Technology

YORK offers the broadest array of industrial-grade products that are renowned for their superior reliability in hospitals, chemical plants, naval vessels, and in many other applications where minimal downtime is a crucial concern. Chillers with capacities up to 9,000 tons of refrigeration allow multiple-chiller plants to install fewer chillers, which reduces auxiliary equipment, installation costs and space demands. On select equipment, economizer features are available to provide “free cooling” using outside air.



Electric-Driven Equipment

Centrifugal Chillers minimize electric consumption at off-design conditions, which prevail in 99% of all operating hours. For maximum efficiency, YORK chillers can operate with Entering Condenser Water Temperature (ECWT) as low as 55°F.

Variable-speed-drive models use an exclusive adaptive-capacity control to optimize compressor speed and prerotation vane position. Annual energy savings are an average 30% compared to a fixed-speed machine.

Screw Chillers can be operated by an alternate unloading scheme that allows owners to run chillers at off-peak times when rates are low to store thermal energy in ice storage systems.

DX Chillers are available in air- and water-cooled DX models with scroll and screw compressor technology.

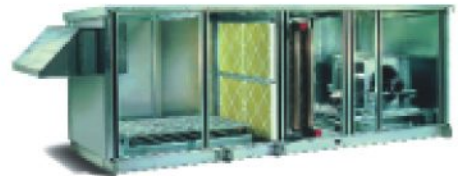


Alternate energy-driven equipment

Natural gas Gas-engine-drive chillers are less costly to operate than electric-drive chillers in 90% of possible applications. Models are available with a Coefficient of Performance as high as 2.3.

Excess heat sources Low-grade heat sources, such as steam or hot water cogeneration systems, allow YORK to “piggy-back” absorption chillers. High-pressure steam from process or co-generation sources can be utilized by YORK steam-turbine-drive chillers and 2-stage absorption chillers.

Electric/gas parallel drivelines Parallel-driveline technology allows switching between electric motor drives or steam turbine drives and gas-engine drives to take advantage of the most cost-effective energy source.



Airside equipment

YORK airside products meet the need for conditioned air delivery with a wide range of indoor, outdoor, standard, modular, and custom rooftop air-handling units capable of delivering up to 70,000 CFM. Filtration options include high efficiency bag and charcoal filters. A wide variety of single- or dual-duct terminal units, constant- or variable-air-volume fan terminals, and diffusers are available. Direct digital controllers, variable speed drives and building automation controls compatible with open protocols can be supplied to create a complete, non-proprietary solution.

Let us add our experience, capabilities, and technology to help your team create the environment for success.

