

HVAC Products and Services

Industry-Leading Solutions for All HVAC Challenges

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



Codes & Standards

- ASME NQA-1
- ASME AG-1
- Audited by Nuclear Procurement Issues Committee (NUPIC)
- Audited by Nuclear Industry Assessment Committee (NIAC)
- Safety-Class, Safety-Significant and Risk Significant Quality Program Alignment
- Approved Vendor on DOE MASL List

A History of Heating, Ventilation, and Air Conditioning (HVAC) Excellence

Curtiss-Wright and its teaming partners have over 100 combined years of experience designing and manufacturing for the Department of Energy. Providing the full range of HVAC equipment and services ranging from safety-related chillers, to dampers, to motors, to much more, Curtiss-Wright provides all encompassing support for any HVAC need. All HVAC equipment supplied by Curtiss-Wright is manufactured to ASME Section III, Section VIII, and our quality program is ASME NQA-1 Compliant.

Comprehensive Portfolio

Curtiss-Wright aides customers with our commercial grade dedication programs, equipment qualification expertise, OEM replacement, reverse engineering, and safety-related and non-safety related solutions. Our complete HVAC product portfolio enables complete manufacturing and reverse engineering of safety-related and non-safety HVAC systems and components.

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Dampers

- **Designs for Every Application**
 - Control, Manual, Backdraft, Smoke, Fire, Pressure Relief, Front Access, Diffuser, and Balancing functions
 - Bubble Tight
 - Static, Dynamic, Curtain, and Multi-Blade options available for most configurations
 - Material options include Extruded Aluminum, Non-Metallic, Stainless Steel, Heavy Duty Aluminum and Steel
- **Fire and Smoke**
 - Stainless Steel or Galvanized
 - Round and Square Ceiling Fire Dampers
 - Complete Corridor Fire/Smoke Dampers
 - Integral, Welded, or No Sleeves
 - True Rounds or Square-to-Round Transitions
 - Factory Mounted and Wired Duct Smoke Detectors
- **Actuators**
 - Factory Mounted and Tested Actuators
- **Access Doors**
 - Duct-Mounted Round and Rectangular Access Doors
 - Walk-through Access Doors

Filters

- HEPA Filters
- Prefilters
- Carbon Adsorbers
- Filter Housing

Fans

- Axial and Centrifugal Options
- Safety Related and Augmented Quality

Air Handling Units

- Custom Package Units
- Unit Coolers
- Air Conditioning Units

Motors

- **Custom Designed Motors for All Needs**
 - Direct replacements for obsolete Safety related and Non-safety Related motors
 - Flexible design, including allowances for mounting, moisture, space constraints, and other environmental parameters
 - Multiple motor types, including: Standard, AC, Wound rotor, U-frame, High speed, Multi-speed, Fluid cooled, Partial, Synchronous, Gear and Brake motors
 - EEE Class 1E Motors

Air Doors

- 15 Standard Colors
- All ACC sizes

Chillers

- **Highly Efficient and Reliable Design**
 - Retrofit designed to fit inlet/outlet locations, as well as power, weight, and space restrictions, water or air-cooled, and single or multi-stage applications
 - Built for over 40 years of reliable service
 - Small, modular design allows for better control of partial loads
- **Analog and Digital Controls Upgrades**
 - Standard analog controls eliminate the maintenance of safety-related software
 - Digital system monitoring for loss of cooling, refrigerant, water flow, power, and control, as well as high head and low suction pressures

- **Compressors**
- **Chiller Tubes**
- **OEM Replacements**

Heat Exchangers

- **Cooling & Heating Coils**
 - Water
 - Steam
 - Direct Expansion Coils
 - Special Shell and Tube
- **ASME Section VIII**

Additional Support Components

- **Valves**
- **Electric Heaters**
- **Hydronic Unit Heaters**
- **Control System Components**
- **Purge Units**
- **Moisture Separators**
- **Flex Connections**
- **Ductwork**



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