

## COMBUSTION TURBINE



The efficient operation of your combustion turbine is pivotal to the success of your plant's profitability. Therefore, the responsiveness of your turbine to load changes is of utmost importance.

- **Improve turbine flexibility with responsive fuel control**
- **Increase combustion efficiency with quality fuel supply**
- **Reduce turbine trips with smooth pressure control**
- **Minimize product loss with zero leakage isolation**

Fuel Control and Isolation Valves | Air Extraction Valves | Anti Icing Valves  
Fuel Pressure Regulators | Pressure Control Regulators

## STEAM TURBINE



Steam turbines are a significant investment for power plants, and as they age, the use of precise and reliable control technology becomes increasingly important for maintaining optimal performance.

- **Ensure reliable turbine isolation during all plant conditions**
- **Precise control of bypass steam temperature**
- **Minimization of heat loss with zero leakage isolation**
- **Protection of your turbine from overpressure**

Complete Turbine Bypass Solutions | Turbine Trip and Throttle Valves  
Turbine Steam Extraction Valves | Reheat Isolation Solutions | Liquid Level Indication  
Steam Seal Regulator Valves | Pressure Control Regulators | Vent and Drain Valves

## HRSG HEAT RECOVERY STEAM GENERATOR



By utilizing dependable final control solutions, you can effectively operate your Heat Recovery Steam Generator (HRSG) at peak efficiency. This includes the ability to accurately manage steam output to the turbine with precise control.

- **Ensure precise drum level control**
- **Optimize thermal efficiency with precise steam control**
- **Minimize heat loss with zero leakage drain and vent valves**
- **Safeguard critical assets with reliable pressure relief valves**

Spraywater Control Valves | Attemperators | Drum Level Control Valves  
Pressure and Safety Relief Valves | Main Steam Isolation Valves | Steam Traps  
Drain and Vent Valves | Boiler Trim Valves | Drum Level Instrumentation

## BOP BALANCE OF PLANT



To maintain peak efficiency and ensure smooth operation of your plant, it is important to focus on more than just your heat recovery steam generators and turbines.

- **Efficient management of fuel supply and storage**
- **Reliable compliance with emission control regulations**
- **Optimization of water intake, treatment, and circulation processes**
- **Maximize turbine output with reliable condenser cooling**

Boiler Feedpump Recirculation | Condensate Pump Recirculation | Pump Protection Valves  
Deaerator Level Control Valves | Anderson Greenwood/Crosby Pressure Relief Valves  
Electric and Pneumatic Actuators | Cooling Water Isolation and BoP Valves

## BRANDS

- AMS™
- ASCO™
- BETTIS™
- CROSBY™
- CLARKSON™
- FISHER™
- KEYSTONE™
- PENBERTHY™
- SEMPELL™
- TOPWORX™
- VANESSA™
- YARWAY™

**Fike**  
**REMINGTON**

### Caltron Locations

**Corporate Office**  
1385 Pama Lane, Suite 111  
Las Vegas, NV 89119

**Benicia Office**  
531 Getty Ct., Suite A  
Benicia, CA 94510

**Chandler Office**  
2900 S. Gilbert Rd. #6  
Chandler, AZ 85286

**Hawaii Office**  
94-432 Maikoiko  
Waipahu, HI 967

**Irvine Office**  
300 Commerce #100  
Irvine, CA 92602

**Livermore Office**  
2685 Collier Canyon Rd.  
Livermore, CA 94551

**Ontario Office**  
3536 Concoures St. Suite 305  
Ontario, CA 91764

**Paramount Office**  
6851 Walthall Way  
Paramount, CA 90723

**Santa Fe Springs Office**  
11904 Burke St.  
Santa Fe Springs, CA 90670

**Taft Office**  
801 Black Gold Ct.  
Taft, CA 93268

## DESUPERHEATER NOZZLE TESTING SERVICE



Our nozzle testing services help power plants optimize their performance by ensuring that the spray nozzles are working correctly and effectively. We can identify and address any issues that may be impacting the plant's efficiency.

- Nozzle testing, repair, and replacement
- System design and configuration review
- Provision of recommendations for improvements
- Repair reports for documentation and analysis
- Spray water valve and desuperheater repair
- Instrumentation and calibration services

*Nozzle Testing for Increased Performance*

## PRESSURE MANAGEMENT/RELIEF VALVE SERVICES



Our comprehensive valve services, include mobile valve shop capabilities, replacement valve inventory, and specialized valve testing. We are an OEM exclusive representative and offer a range of valve solutions from certified assemblers such as Crosby and Anderson Greenwood.

- Mobile Valve Shop Capabilities for testing, repairing, and re-certifying valves
- Replacement Inventory with stocked Crosby and Anderson Greenwood valves
- Specialized Valve Testing via mobile machine shop, portable lapping equipment, and calibration instruments
- Comprehensive approach to steam solutions as an OEM exclusive representative of multiple models, including Ventil PreVentest.
- NBIC certified assembler

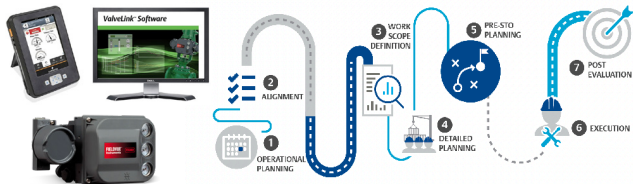
*Valve Repair, Actuator Repair, and Pressure Relief Testing*

## INDUSTRY PRODUCTS & SOLUTIONS

- CONTROL & SAFETY SYSTEM SOLUTIONS
- MECHANICAL RELIABILITY SOLUTIONS
- VALVES & AUTOMATION INSTRUMENTATION
- PRESSURE REGULATORS
- FLOW & MEASUREMENT SOLUTIONS
- WATER & WASTEWATER SOLUTIONS
- PROCESS PUMPS & EQUIPMENT
- ENGINE & COMPRESSOR CONTROLS
- ASSET MANAGEMENT
- EDUCATIONAL SERVICES

24/7 SERVICE  
(877) 827-8131  
WWW.CALTRON.COM

## DIAGNOSTICS & STO/STARTUP



Our Diagnostics & STO/startup services provide tools, tests, and a streamlined commissioning process to protect critical assets and startup safely. We also offer local onsite support to reduce downtime and increase operational efficiency.

- Commissioning/Diagnostic tools at instrument level
- Startup commissioning process
- Streamlined STO execution
- Local onsite support
- Comprehensive approach to steam solutions, including steam trap surveys

*Quantifiable, Detailed Work Scope and Effective use of Diagnostic Tools*

## ISOLATION & ACTUATION LIFECYCLE SERVICES



Our services ensure safe and efficient operation of your equipment. Our expertise includes various valve types and seat leakage and pressure integrity testing to maintain performance.

- In-Line Machining & Field Welding
- Seat Leakage & Pressure Integrity Testing
- Repair Reports with Photos
- Electric actuator repairs, preventative maintenance, and upgrades
- Various types of isolation valves serviced including triple offset, non-return check, pressure seal gates, and vent/drain valves

*Invaluable Lifecycle Subject Matter Experts and Service Resources*

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