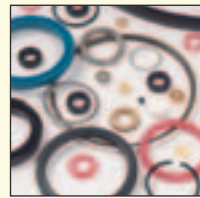


CHESTERTON

Chesterton Support Products and Programs

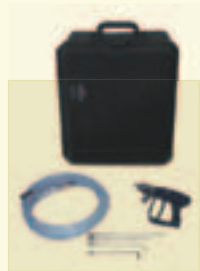
In addition to sealing needs, Chesterton offers supporting products developed specifically for the challenges of the nuclear power industry. These products are designed around user's application needs and deliver real solutions with measurable results.



Engineered Polymer Solutions

Improving equipment performance

Chesterton manufactures high-performance polymer seals for use in a broad range of hydraulic, pneumatic, and rotating equipment. We combine our engineering expertise with state-of-the-art material technologies to provide industry-leading solutions that help improve the overall reliability of your equipment.



Hydro Jet Packing Extractor

Improve outage efficiency

The Hydro Jet Packing Extractor is a high pressure water jet that penetrates and removes rock-hard packings quickly, cleanly, and safely without damage to valve stem or stuffing box. It can also be used to remove old, stuck-on flange gaskets.

GLOBAL SOLUTIONS, LOCAL SERVICE

Since its founding in 1884, the A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

Visit our website at
www.chesterton.com



Chesterton ISO certificates available on www.chesterton.com/corporate/iso

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POWER

NUCLEAR FUEL INDUSTRY SOLUTIONS





A globally competitive environment has created many new and unique challenges for the nuclear power industry:

- More stringent environmental regulations
- Increasing energy and operational costs
- Reductions in plant personnel
- Pressure to maintain or reduce rates
- Increasing demand
- Increasing safety requirements

S

THAT DELIVER REAL RESULTS

ARC Composites Coatings

Coatings that last

Nuclear power plants face tough conditions that corrode components and structures, compromising plant reliability and safety. Your selection of a protective coating must provide long-term resistance to process streams such as condensate, demineralized water, acids, caustic and oxidizing compounds, while providing low leachable levels to maintain critical water quality and environmental compliance.

Our products are highly reinforced, 100% solids, low VOC, co-reactive thermoset polymer systems formulated for high reliability and product purity in plant exposures such as:

- Circulating cooling water systems
- Demineralization systems
- Service water systems
- Condensate systems

Our factory-trained specialists can make specific recommendations, using our ARC Composites Coatings, to address corrosion and chemical attack in your plant.



Maintenance Products

Performance-engineered products that keep your plant running reliably

Chesterton formulates and manufactures a wide variety of products and solutions for your facility needs. State-of-the-art technologies in lubrication, cleaning, degreasing, and corrosion control provide multiple options to maintain a safe, clean, and reliable plant environment—so important in the nuclear power industry.

Many of our products are certified for use in the nuclear industry and have been used throughout the plant, including containment. Small upgrades to standard maintenance supplies can result in a dramatic increase in performance and reliability.



PRODUCTS

Sealing Devices

Technology you can count on

Chesterton specialists draw from a vast array of sealing technologies. From innovative mechanical seals and packing for rotary applications and high performance valve sealing technologies to reliable, high-quality flange sealing, Chesterton can deliver your plant-wide sealing needs.

Mechanical Seals

Chesterton can provide sealing solutions for a variety of pump applications. Our innovative split seal technology has saved thousands of dollars in downtime and repair costs globally by eliminating equipment disassembly during seal replacement.



Mechanical Packing

We have a broad range of packing solutions designed to meet your plant requirements: valve packings certified for use in the nuclear industry, valve and flange live loading, high-performance packings for both valves and pumps, and engineered sealing sets for your most challenging valve applications. Low friction designs ensure valve and equipment responsiveness and improve operability and reliability in demanding services, resulting in cost-effective, leak-free stationary equipment sealing.



Gaskets

Chesterton offers a complete range of gasket materials that provide excellent sealing ability and superior reliability. Our line of sheet, tape, semi-metallic, and metallic gaskets covers a broad range of applications—from critical, high performance, and specialty flange sealing to general service sealing. This comprehensive line of sealing products will meet your plant's cost reduction and efficiency goals.



SOLUTIONS

THAT INCREASE RELIABILITY
AND REDUCE COSTS

CHESTERTON® works with nuclear power plants around the world to gain a solid understanding of the industry's needs and requirements. Our specialists and technical team will work with you to develop and implement specific solutions that meet your plant's needs to help drive significant improvements in equipment reliability and reductions in overall costs.



Value-Driven Solutions, built from our portfolio of technologies, products, services, and knowledge, will help you manage your plant's critical assets. This portfolio includes:



- Programs to improve reliability, optimize energy efficiency, and increase plant output
- ARC advanced composites for corrosion and wear reduction and the rehabilitation of concrete and metal surfaces
- Sealing systems for pumps, valves, flanges, and other plant equipment
- Training to support the plant's most critical assets—its people

PROGRAMS

DESIGNED FOR OPERATIONAL EXCELLENCE, EQUIPMENT RELIABILITY, AND ENVIRONMENTAL INTEGRITY

Chesterton's extensive nuclear power experience combined with in-depth product knowledge produces superior power program offerings for partnership. For decades, our knowledgeable sealing specialists have worked directly with our customers, solving real-world power industry problems. Chesterton's experienced specialists can help you implement industry-focused programs with high-impact results.



Superior Sealing Solutions for Rotating Equipment

Our innovative, high performance sealing technologies are designed to deliver efficiencies throughout the plant.

- Provide substantial cost savings
- Simplify maintenance requirements
- Improve system reliability
- Significantly reduce or totally eliminate flush water usage

High Performance Sealing for Stationary Equipment

Chesterton provides reliable valve and flange sealing for plant-wide sealing needs.

- Deliver reliable valve sealing technologies
- Solve temperature cycling and vibration failures
- Improve flange sealing performance
- Reduce overall life cycle costs



Abrasion and Corrosion Control

Successful implementation of Chesterton ARC Composite Coatings involves multi-disciplined activities. Our program provides:

- Engineering support to ensure all the details are identified and addressed
- Product selection based on critical performance attributes to meet application demands
- Professional application capability to ensure quality and scheduled completion expectations are met



Outage Support

Deliver knowledge and build plant-wide skills to enhance reliability and plant efficiencies.

- Assistance in managing your turnaround schedule
- Hands-on approach to improving productivity
- In-plant seminars to build application knowledge
- Product standardization programs to increase efficiencies
- Maintenance software for outage planning