

Trentec Brand Containment Products

For New Nuclear Construction

CURTISS - WRIGHT

Nuclear Power Products and Services



About Curtiss-Wright

Curtiss-Wright has over 50 years of experience in design, fabrication, and engineering for airlocks, hatches, doors, and more. Its Trentec legacy brand - formerly known as W.J. Wooley Company - is comprised of a multi-disciplined, in-house engineering team that provides custom solutions to meet client-specific needs. Our team can fabricate every type of airlock, hatch, gate, and specialty door available for all reactor designs.

Our team of nuclear containment experts continue to develop and deliver cutting-edge solutions that support safe operations, equipment reliability, and regulatory compliance. As the nuclear industry advances, Curtiss-Wright remains ready and equipped to meet the evolving demands of Advanced Reactors and Small Modular Reactor development.

Quality Programs

- ASME Section III: N, NPT Certifications
- 10CFR50 Appendix B
- 10CFR21
- CSA N299.1
- NUPIC and NIAC Audited

For More Information

Scan the QR code below to visit our website.



Containment Airlocks and Hatches

Curtiss-Wright can design, engineer, and fabricate airlocks for new nuclear applications. Our multi-disciplined in-house engineering staff works closely with NSSS suppliers, Engineer-Procure-Construct companies (EPC's), and utilities to bring expertise to the whole product process for advanced reactors and small modular reactors.

Our engineering and manufacturing teams specialize in delivering custom-built containment solutions that meet stringent regulatory requirements and evolving safety standards. Each newly constructed system is designed with a focus on maintaining containment integrity, ensuring they perform reliably under both standard operations and accident scenarios. They are built with environmentally qualified components, including seals, o-rings, and gaskets for all nuclear applications. Utilizing precision machining and advanced fabrication techniques, our initiatives comply with ASME NCA-4000 NPT and 10CFR50 Appendix B standards.

Specialty Doors and Barriers

Safety-related and critical plant equipment needs protection from severe operating and accident environments. Curtiss-Wright designs, fabricates, and upgrades specialty doors to provide the required level of protection necessary for next generation reactors. Our capabilities range from the supply of small, routine replacement parts, to design, and fabrication of complete door assemblies, large or small.

Fuel Transfer Gates

Curtiss-Wright offers fuel transfer gates designed specifically for new construction applications. They incorporate proven design elements adapted to meet the evolving requirements of next generation reactor technologies. Each gate is equipped with environmentally inflatable seals to provide reliable, bubble-tight sealing, even on larger configurations. Options include single or double seal designs, or two-gate assembly with a monitoring chamber in-between. The monitoring chamber is available in both lift-out and hinged styles to accommodate various layouts and access needs.

Trentec Designs

Our designs ensure equipment reliability, systematic improvements, leak test performance enhancements, and maintenance reductions on containment products.

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