

# Fluid Sealing Technologies and Services

For New Nuclear Construction

**CURTISS-  
WRIGHT**



## About

Curtiss-Wright offers a comprehensive range of industry-leading fluid sealing technologies and services to commercial nuclear and fossil power plants, chemical, petrochemical, the Department of Energy, the Department of Defense, Original Equipment Manufacturers, and the industrial market. We are recognized as a “best in class” provider of fluid leak products and management solutions. Our numerous customer recognitions and awards include Utilities Services Alliance (USA), First Energy, and Constellation “Supplier of the Year” awards, as well as Nuclear Energy Institute (NEI) TIP awards for packing and graphite pressure seal technology.

With a team of industry experts, we 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 meeting evolving demands of Advanced Reactor and Small Modular Reactor Construction.

## Fluid Sealing Product and Service Offerings

Our sealing solutions are a blend of proprietary manufactured and distributed products including mechanical valve and pump packing, metal and fabricated gaskets, and a wide variety of specialized fluid sealing products. Services include fluid sealing on-site support, turn-key repacking, warehouse evaluation, product and application training, obsolescence solutions, reverse engineering, web-based valve packing databases, and fluid leak management programs to improve equipment reliability and reduce operation costs. Our state-of-the-art manufacturing facility operates under our commercial and nuclear QA programs. We are NUPIC audited to the requirements of 10CFR50 Appendix B Part 21.

# Fluid Sealing Technologies and Services

For New Nuclear Construction

## Gaskets

### Sheets

- Compressed non-asbestos
- Commercial carbon
- Union Carbide Grafoil<sup>®</sup>
- SGL Hochdruck graphite
- Teflon<sup>®</sup>
- Glass filled Teflon<sup>®</sup>
- Fiber nitrile
- Premium grade red rubber
- Premium grade neoprene
- Gum rubber
- Hypalon
- Cloth inserted SBR
- Neoprene duck diaphragm
- Neoprene nylon diaphragm
- Buna N (nitrile)
- Viton
- Silicone
- EPDM
- Copper
- Soft iron
- Vegetable fiber
- Cork, cork and neoprene

### Fabricated

- Flexitallic<sup>®</sup>
- Spiral wound
- Double jacketed
- Single jacketed
- Solid metal
- Teflon<sup>®</sup> envelope
- Die or waterjet cut

## Textile Products

- Fiberglass Rope
- Ceramic Rope
- Welding cloth
- Textured fiberglass cloth
- Woven fiberglass tape
- Treated fiberglass tape
- Folded Teflon<sup>®</sup> tape
- Tadpole tape
- Groove luting
- Felt
- Ceramic fiber sheet

## Mechanical Packing

- Graphite filament yarn
- Die formed Grafoil<sup>®</sup>
- Carbon filament with PTFE
- Braided Kevlar<sup>®</sup>
- Graphite Teflon<sup>®</sup> GFO fiber
- Teflite with Kevlar<sup>®</sup> corners
- Braided Novaloid with Teflon<sup>®</sup>

- Teflon impregnated Norfab
- Pure Teflon<sup>®</sup> filament
- Graphited synthetic yarn
- Aluminum foil
- Braided copper
- Braided flexible graphite
- Graphited lead foil
- Braided flax
- Custom packing sets
- Die formed packing rings
- Nuclear certified packing
- Composite anti-extrusion ring

## Specialty Products

- Ring joint gaskets
- Graphite pressure seals
- Carbon/Teflon<sup>®</sup> sootblower sets
- Mechanical seals
- Hydraulic packing
- Special and standard O-rings
- O-ring cord stock
- Carbon bushings and spacers
- Coupling gaskets
- Coal handling gaskets
- Ashline gaskets
- Expansion joints
- Charging pump packing
- Joint sealing and gasket tape
- Packing/thread lubricant
- Belleville spring and flat washers
- Eyebolts and allthread studs
- Conveyor belts
- Packing and gasket cutting tools

## Services

### sealTECH<sup>™</sup>

- State-of-the-art gasket manufacturing
- Highly trained valve technicians
- Valve services
- On-site fluid sealing support and outage management
- Turn-key repacking services
- Obsolescence solutions
- Warehouse inventory surveys and evaluation
- Vendor Managed Inventory (VMI)
- Fluid sealing training programs: maintenance, applications
- 24/7 service

### sealPRO<sup>™</sup>

- Web-based valve-packing database and valve management program
- Provides optimal sealing solutions

### sealID<sup>™</sup>

- Web-based stock identification database for consolidation and managing inventory

### sealOE<sup>™</sup>

- Database of proven solutions (case studies)

## Authorized Distributor

- Flexitallic<sup>®</sup>
- Neografit<sup>™</sup> Grafoil<sup>®</sup> Products
- Gore-Tex<sup>®</sup> Products
- Holz Expansion Joints
- Superbolt<sup>®</sup> Tensioners
- SGL Polycarbon Products
- Garlock Sealing Products

## For More Information

Scan the QR code below to visit our website



## Quality Standards:

- 10CFR50 Appendix B; 10CFR21
- NUPIC Audited
- NQA-1



## CONTACT INFORMATION:

18001 Sheldon Road, Middleburg Heights., OH 44130  
fre\_sales@curtisswright.com | +1.216.267.3200