

Sealing Integrity for EPC Projects

ENGINEERING - provide front end engineering and design support to review applications and recommend the optimum material or product for your specifications

PROCUREMENT - dedicated RFQ/RFP bid response team to support all of your sourcing needs from budgetary estimates to work in progress field construction needs

CONSTRUCTION - Garlock fluid sealing expertise will help you meet construction time lines and avoid costly delays associated with product mis-application



Garlock

an EnPro Industries family of companies

Engineering

For over 125 years, Garlock has been the leader in providing sealing solutions for the most rigorous sealing applications.

Safety in Design – Garlock engineers design products to go beyond compliance to ensure safety is behind everything we do.

ENGINEERING SERVICES:

Application Support, Testing and Training

Our expert team of application engineers and laboratory professionals stand behind each sealing solution

- » 24/7 call support
- » Applications review and recommendations
- » Field Support
- » On-site training
- » Product analysis reports
- » Lab and testing facilities

QUALITY AND COMPLIANCE

Garlock can provide products to the highest international regulatory standards

Some examples include:

- » ANSI/ISO/ASQ 9001-2008
- » 10CFR50 Appendix B
- » 10CFR21 Nuclear
- » NQA-1 Basic
- » NUPIC certified
- » NIAC certified
- » BAM
- » TA Luft
- » USP Certification
- » GE D50YP12 Rev. 2
- » MIL-DTL-24696C
- » MIL-STR-508
- » Chevron Emissions
- » Shell MESC 77/312
- » NSF 61
- » CRN
- » ABS Certification
- » API 6FB

Procurement

Garlock understands the complexities of large capital project and will help to simplify the purchasing process

Garlock offers the full range of sealing solutions to minimize contract administration costs

METALLIC GASKETS:

- » Full temperature (-400 to 1800°F) and pressure range
- » FLEXSEAL® Spiral Wound Gaskets
- » Kammprofile Gaskets
- » Corrugated Metal Gaskets
- » Ring Type Joints

NON-METALLIC GASKETING PRODUCTS:

- » Compressed Sheet Gaskets
- » GYLON® PTFE Gaskets
- » GRAPH-LOCK® Graphite Gaskets
- » Rubber Gaskets

EXPANSION JOINTS:

- » Spool-type Expansion Joints – Abrupt arch, EZ-FLO®, Chemical-resistant, ABRA-LINE abrasion resistant
- » Flue Duct Type Expansion Joints

PTFE-LINED BUTTERFLY VALVES:

- » GAR-SEAL Chemical or Abrasive Resistant Valves
- » STERILE-SEAL Valves
- » SAFETY-SEAL Valves

ISOLATION PRODUCTS:

- » PIKOTEK® and PSI Flange Insulating Kits – VCS, VCS Fire-Safe, PGE
- » ElectroStop® Monolithic Isolation Joints
- » LINK-SEAL® Wall Penetration Seals

OTHER FLUID SEALING PRODUCTS:

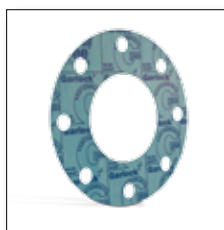
- » KLOZURE® Oil Seals
- » KLOZURE® Bearing Isolators
- » KLOZURE® Mechanical Seals
- » Compression Packing
- » Hydraulic Components
- » Diaphragms for Pumps and Valves
- » Custom Molded Rubber Products



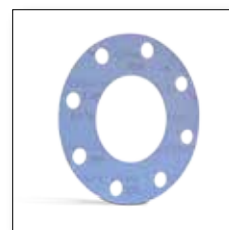
FLEXSEAL® SWI
Spiral Wound Gasket



Kammprofile
Gaskets



BLUE-GARD® 3000
Compressed Sheet



GYLON® Style 3504
PTFE Gasket



Style 204
Expansion Joints

Construction

Garlock's core values of *safety*, *excellence*, and *respect* align directly with key construction values, and we work to help you meet your goals of safety, excellence, integrity, on-time delivery, and overall end user/client satisfaction.

SAFETY

Design for safety, safest and most reliable products, On-site training and proper installation support

EXCELLENCE

Garlock products are high quality, durable, long lasting and reliable to help end clients reduce down time and EPC firms eliminate startup delays

QUICK DELIVERY

Garlock has 13 manufacturing facilities around the globe to provide fast turnaround, in addition to a large distribution network with inventory support

GLOBAL SUPPORT

We have 18 global operations and a distribution network that covers 75 countries to support your global projects

EXPERIENCE IN EVERY INDUSTRY

- | | |
|------------------------|--------------------------------|
| » Chemical | » Mining |
| » Refining | » Pharmaceutical/Life Sciences |
| » Oil & Gas Production | » Marine |
| » Power Generation | » Food Processing |
| » Nuclear | » Pulp & Paper |
| » Primary Metals | » Water/Waste Water Treatment |

Applications

BOLTED FLANGE CONNECTIONS

Piping arrays must transport high pressure, abrasive, high temperature and otherwise hazardous materials.

Recommended Products:

- » Metallic Gaskets: FLEXSEAL® Spiral Wound Gaskets, Kammprofile Gaskets, Corrugated Metal Gaskets, Ring Type Joints
- » Non-Metallic Gasketing Products: Compressed Sheet Gaskets, GYLON® PTFE Gaskets, GRAPH-LOCK® Graphite Gaskets

NON-METALLIC PIPE FLANGE CONNECTIONS

FRP or HDPE piping systems offer numerous benefits to a piping system, but may require unique applications to seal.

Recommended Products:

- » Non-Metallic Gasketing Products: Style 3760 MULTI-SWELL™, Rubber, STRESS SAVER® 370

PIPELINE ISOLATION

Garlock has a full range of isolation products to meet unique applications and demands and to reduce corrosion.

Recommended Products:

- » Isolation products: PIKOTEK® and PSI Flange Insulating Kits, ElectroStop® Monolithic Isolation Joints

PIPING SYSTEMS

Proper layout, support systems and equipment are required to handle vibration, misalignment, and transitions.

Recommended Products:

- » Expansion Joints: Style 204 Abrupt Arch, Style 206 EZ-FLO®, High Pressure and Full Vacuum Products, Chemical Resistant Products, Abrasion Resistant Products
- » GAR-SEAL Butterfly Valve – PTFE Lined

TURBINES, DIESEL GENERATORS, HEAT EXCHANGERS

This equipment and associated piping have a number of pressure zones and may require connections with high performance and high compressive force.

Recommended Products:

- » Metallic Gaskets: FLEXSEAL® Spiral Wound Gaskets, Kammprofile Gaskets, Corrugated Metal Gaskets, Ring Type Joints
- » Non-Metallic Gasketing Products: Compressed Sheet Gaskets, GYLON® PTFE Gaskets, GRAPH-LOCK® Graphite Gaskets
- » High Temperature Gaskets: THERMa-PUR™ Gaskets



GAR-SEAL
Butterfly Valves



VCFS Fire-Safe Flange
Isolation Kit



ElectroStop® Monolithic
Isolation Joint



LINK-SEAL® Wall
Penetration Seals



KLOZURE®
Dynamic Seals

Our Promise to you

Provide front-end engineering and design support and after-sales service for new construction projects and plant expansions across the globe to ensure safety, responsibility and reliability for your employees, equipment and fluid transport systems in critical and general service applications.

Garlock®

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Leaders in Sealing Integrity

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