

Food and Pharmaceutical Applications - Typical Equipment

- Agitators
- Autoclaves
- Blenders
- Conveyors
- Cookers
- Cooling Vessels
- Dryers
- Filter Systems (screens)
- Homogenizer
- Mixers
- Non-metallic Piping
- Packaging/Bottling
- Pumps/Motors
- Storage Tank

Sealing Components for FDA Compatibility (Examples Only/Not a Complete List)

- **Gasketing**
EPDM - Style 8316
Neoprene - Style 9064
STRESS SAVER® PTFE/EPDM
GYLON® - Restructured PTFE, various styles and fillers
Metallic - FLEX-SEAL® spiral wound gaskets with 304 SS and PTFE filler
- **Expansion Joints**
Style 306
Style 206 with EPDM
Styles 214/215
- **Stuffing Box Sealing**
5900 Series PTFE Compression Packing
GMP-I and II cartridge mechanical seals
P/S® II - cartridge mechanical seals with white GYLON® lips
3D mixer/agitator seals with white GYLON® lips
- **Hydraulic Sealing**
Style 7910 - no hinge V rings
FDA Urethane U-seals
- **Radial Lip Sealing/Exclusion**
Model 23/53/63 seals with FDA compliant Silicone
Model 61 radial lip seal with white GYLON® lips
ISO-GARD® Bearing Isolators (FDA compliant PTFE is standard)

Garlock offers the most complete line of FDA-compliant materials in the industry. Please consult Garlock for details on FDA-compliant gasketing, packing, expansion joints, hydraulic components, etc.

AUTHORIZED DISTRIBUTOR



ISO 9002-94
Cert. #001762

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

GARLOCK is a registered trademark for packings, seals, gaskets, and other products of Garlock.

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Garlock

Sealing Technologies®

Garlock Sealing Technologies
1666 Division Street
Palmyra, New York 14522 USA
1-315-597-4811
1-800-448-6688
Fax: 1-315-597-5556

Visit the Garlock network
www.garlock.net

Other Garlock facilities are located in:

Paragould, AR, USA	1-870-239-4051	Fax: 1-870-239-4054
Columbia, SC, USA	1-803-783-1880	Fax: 1-803-783-4279
Houston, TX, USA	1-281-459-7200	Fax: 1-281-458-0502
Sydney, Australia	61-2-9793-2511	Fax: 61-2-9793-2544
São Paulo, Brazil	55-11-884-9680	Fax: 55-11-884-9680
Oakville, Canada	1-905-829-3200	Fax: 1-905-829-3333
Berkshire, England	44-1635-38509	Fax: 44-1635-569573
Saint-Étienne, France	33-4-7743-5100	Fax: 33-4-7743-5151
Neuss, Germany	49-2131-3490	Fax: 49-2131-349-222
Seoul, Korea	822-554-6341	Fax: 822-554-6343
Mexico City, Mexico	52-5-567-7011	Fax: 52-5-368-0418
Singapore	65-254-7372	Fax: 65-254-6708

CHEMICAL PROCESSING INDUSTRY

PRODUCT RECOMMENDATION GUIDE

Garlock

SEALING TECHNOLOGIES®

Product Recommendation Guide

Gasketing



1. GYLON® 3500 PTFE for strong acids
2. GYLON 3510 PTFE for strong alkalis and acids; Chlorine Institute approved
3. GYLON 3504 PTFE for stainless steel flanges, heat exchangers, towers/reactors and centrifuges
4. GYLON 3545 100% pure, compressible PTFE for all types of flanges, especially glass-lined equipment and railcars
5. STRESS SAVER® for FRP, PVC, CPVC and other types of non-metallic flanges
6. GRAPHONIC® and Kammprofile for shell and tube heat exchangers
7. Style 3535 PTFE joint sealant for plate exchangers and tower trays
8. IFG® 5500 gaskets for saturated steam, oils, refrigerants, mild chemicals, aliphatic hydrocarbons, gasoline, inert gases, and water
9. Style 9064 white neoprene, 60 durometer, conforms to FDA 21CFR177.2600
10. FLEX-SEAL® spiral wound gaskets

Compression Packing



11. Style 1303 braided graphite spool packing for all types of valves
12. Style 5906 braided PTFE packing for food and pharmaceutical applications
13. Style 1333-G or 1304 braided graphite spool packing for rotating equipment, tower trays and centrifuges
14. 9000 EVSP cup-and-cone technology for all emission control valves subject to EPA regulations, especially high-pressure ethylene crackers
15. Style 5888 for acid and chlorine valves on railcars

Mechanical Seals



16. GMP-I & GMP-II single or double cartridge seals for ANSI chemical pumps
17. P/S®-II multi-lip cartridge seals for positive displacement and progressive cavity pumps
18. 3-D mixer/agitator seals. 1" total indicated runout (TIR)

KLOZURE® Oil Seals, Bearing Protectors



19. ISO-GARD® bearing protectors for ANSI pumps and rotating equipment
20. Model 26 lip seals for centrifuges; available in Viton®, MILL-RIGHT® and nitrile

Expansion Joints



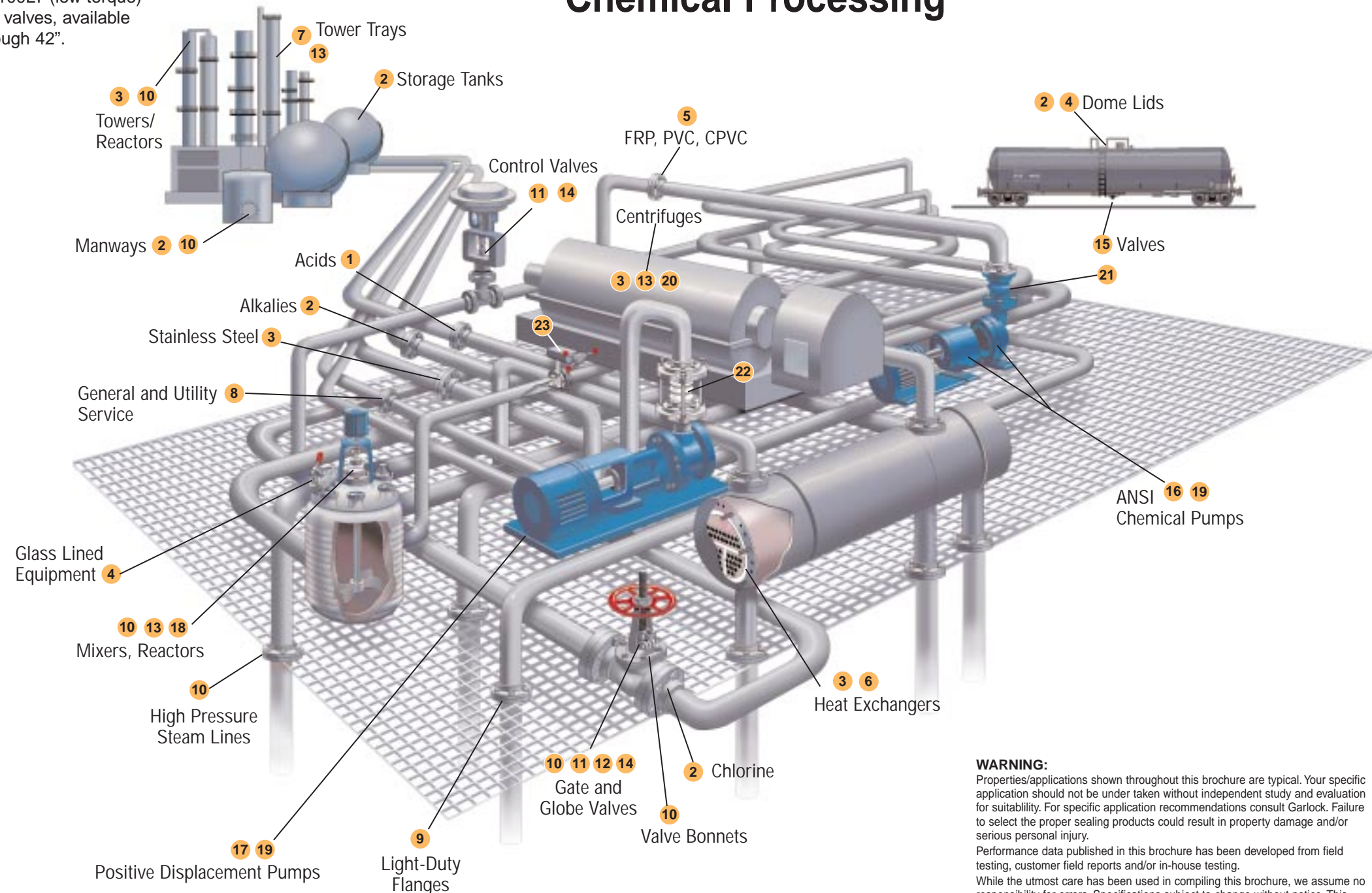
21. GUARDIAN® 306 FEP-lined joints for food and pharmaceutical applications
22. Style 214/215 flexible PTFE pipe couplings

Chemical Valves



23. GAR-SEAL® 9100LT (low torque) PTFE butterfly valves, available in sizes 2" through 42".

Chemical Processing



For technical assistance, please call **800-448-6688**, or turn to back cover for nearest Garlock facility.

This brochure should be used as a guide only. For final selection regarding chemistry, temperatures, pressures and all other equipment-related issues, please contact Garlock Sealing Technologies.