Advancing the Science of Sealing™

Garlock Style 212-ULE
(Ultra Low Emissions)
VALVE STEM SPOOL PACKING



Flat line your emissions.



Simplify your Leak Detection and Repair (LDAR) Program with Garlock Style 212-ULE

Better performance than an engineered set in a convenient spool product. Style 212-ULE is easy to cut and install with color coded instructions. Cut inventory dollars and reduce outage schedules without sacrificing performance. Outage planning is easier than ever now that each 212-ULE box indicates how many typical valves can be repacked by one box.

Value & Benefits

- Easily meets emission standards, less than 100ppm**
- Environmentally friendly performance and packaging
- Dual type corrosion resistance
- Easy to use dispensing box
- Pack stuffing boxes without ordering specialized seal sets
- Low stem friction

**NOTE: Warranted for a period of 5 years when installed according to warranty requirements.

Ideal for

- Valve Stuffing Boxes
- Critical Service
- Efficient Outage Planning
- Hydrocarbon Processing Industry
- Chemical Processing Industry

Specifications

Temperature	-328ºF (-200ºC) to 1,200ºF (650ºC) steam* 850ºF (455ºC) atmosphere
Pressure, Max	4,500 psig (310 bar)
pH	0-14 (except strong oxidizers)

*NOTE: For temperatures over 1,000ºF (537ºC), please consult Garlock Engineering.

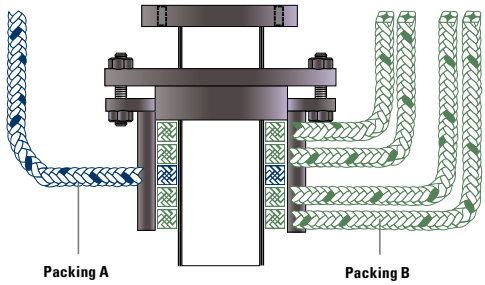
www.212ULE.com

Garlock
SEALING TECHNOLOGIES®
an EnPro Industries company

How to Install 212-ULE*

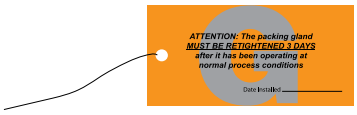
When packing a valve, pack 2 rings of “Packing B”, then one ring of “Packing A”, then 2 additional rings of “Packing B”, giving you a B-B-A-B-B configuration (or 212). This minimizes valve emissions and reduces torque actuation forces. For stuffing boxes deeper than 5 rings, please order Garlock Style 1998-EZ Bushing product.

Ideal Set Configuration



*NOTE: For more detailed installation instructions, please consult www.garlock.com. Style 1998 is to be used as a bushing material only, not for use as a valve stem seal.

Included with each box of 212-ULE, are enough valve labels to indicate installation date and proper time to retighten packing gland.



Each spool of 212-ULE has a “Low Spool” indicator tag that notifies the user to reorder.

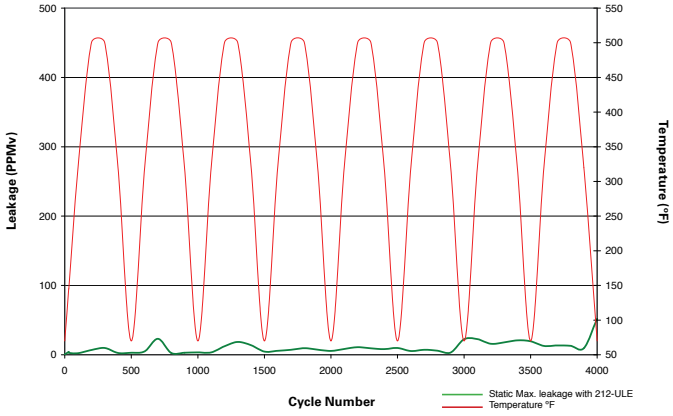


212-ULE Box Ordering Information

Average Number of Valves Packed						
Packing Cross Section	Style B		Style A		Average Stem Diameter	Avg Number of Valves Packed
Inches	Ft	Lbs	Ft	Lbs		
1/8	65.5	0.8	16.4	0.3	0.375	125
3/16	127.6	3.6	31.9	0.9	0.625	150
1/4	98.2	4.3	24.5	0.9	1	75
5/16	50.7	3.0	12.7	0.8	1.625	25
3/8	45.2	3.5	11.3	1.0	2.5	15
7/16	38.6	4.3	9.7	1.0	3.25	10
1/2	22.3	3.8	5.6	0.7	3.75	5
9/16	26.5	4.9	6.6	1.2	4.5	5
5/8	29.5	7.4	7.4	1.5	5	5

Static Leakage Maximum Readings

Leakage and Temperature vs Actuation Cycles



Independent emission testing was performed with die-formed and spool stock 212-ULE with results less than 100ppm in all cases.

AUTHORIZED REPRESENTATIVE

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.
© Garlock Inc 2009. All rights reserved worldwide.

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

Garlock Sealing Technologies
1666 Division Street
Palmyra, New York 14522 USA
1-315-597-4811
1-800-448-6688
Fax: 1-800-543-0598
1-315-597-3039

www.garlock.com

Other Garlock facilities are located in:

Columbia, SC, USA	Phone 1.803.783.1880	Fax 1.803.783.4279
Houston, TX, USA	Phone 1.281.840.4800	Fax 1.281.840.4756
Sydney, Australia	Phone 61.2.9793.2511	Fax 61.2.9793.2544
Auckland, New Zealand	Phone 64.9573.5651	Fax 64.9573.5636
São Paulo, Brazil	Phone 55.11.4352.6161	Fax 55.11.4352.8181
Sherbrooke, Canada	Phone 1.819.563.8080	Fax 1.819.563.5620
W. Yorkshire, England	Phone 44.1422.313600	Fax 44.1422.313601
Saint-Étienne, France	Phone 33.4.7743.5100	Fax 33.4.7743.5151
Neuss, Germany	Phone 49.2131.3490	Fax 49.2131.349.222
Mexico City, Mexico	Phone 52.55.50.78.46.00	Fax 52.555.368.0418
Singapore	Phone 65.6285.9322	Fax 65.6284.5843
Shanghai, China	Phone 86.021.62789702	Fax 86.021.62787826
Dubai, UAE	Phone 971.4.8833652	Fax 971.4.8833682
Pune, India	Phone 91.20.3061.6608	Fax: 91.20.3061.6699