

Garlock Style 212-ULE (Ultra Low Emissions)

VALVE STEM SPOOL PACKING



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.

Specifications

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

*NOTE: For temperatures over 1,000°F (537°C), please consult Garlock Engineering.



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 3 years when installed according to warranty requirements.

Ideal for

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

Garlock
SEALING TECHNOLOGIES®

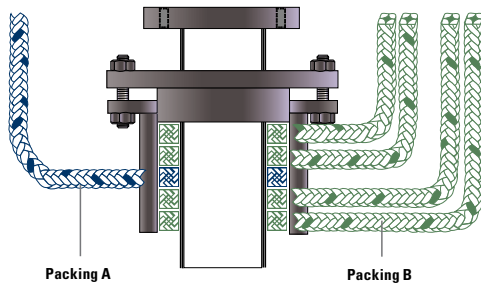
an EnPro Industries company

212-ULE Box Ordering Information

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.

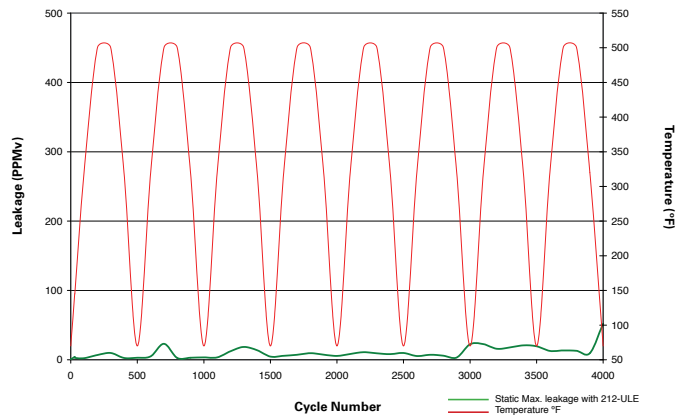


Average Number of Valves Packed

Packing Cross Section	Style B		Style A		Average Stem Diameter	Avg Number of Valves Packed
	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

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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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