

Garlock FLEXSEAL® Lo-Load Gasket

*Spiral wound gasket with superior sealability
and low compressive load requirement*

Garlock Lo-Load spiral wound gaskets provide the superior sealing capabilities of a standard spiral wound gasket for flange connections with a low available bolt load. Controlled Density+™ (CD+) technology – Garlock’s proprietary process for precisely controlling winding density – produces a spiral wound gasket with a consistent and reliable compressive load requirement.

Specifications

Spiral Winding	Choice of Metals
Filler Material	Choice of Fillers
Configurations	- RW-LL (Outer ring spiral wound) - RWI-LL (Outer & inner ring spiral wound) - SW-LL (Winding only) - SWI-LL (Winding with inner ring)
Flange types	Flat or raised face
Sizes	All
Pressure Classes	ASME/ANSI 150-2500
Temperature, max.	To 1,200°F (650°C)
Gasket Factor "M"	3.00
Gasket Factor "Y"	5,000 psi



Value & Benefits

- Compensates for weak flange designs enhancing plant and personnel safety
- Ensures bolt stresses do not exceed 25,000 psi for compliance with ASME 31.3 and PV and B codes
- No unsupported exposed filler for ease of handling and installation
- High tightness level achieved with minimal compressive load
- Exceptional blow out resistance enhancing personnel safety
- Available in wide range of spiral wound designs and materials of construction
- Complies with ALL ASME B16.20 dimensions
- Available in standard spiral wound gasket thicknesses (.125", .175", .250" and .285")
- Computerized manufacturing process ensures consistent winding density across entire gasket

Ideal for

- Hydrocarbon processing & refining
- Petrochemical processing
- Chemical processing
- Power generation
- Pulp & paper
- Oil & Gas production

Garlock
SEALING TECHNOLOGIES®

Advantage — Garlock's FLEXSEAL® Spiral Wound Gaskets Style CD+™LL

Meeting today's and tomorrow's even more stringent fugitive emissions standards requires the spiral wound gasket work in concert with all components of the flange connection, including flange connections with low available bolt loads. Garlock's CD+LL gasket allows the use of standard spiral wound components by controlling the filler density to achieve a low compression gasket.

Garlock's Controlled Density + manufacturing process insures precise control and optimum filler density is kept constant across the entire gasket width, ensuring uniform compression and ideal sealing performance.

Gasket Style and Material	Gasket Factor "M"	Gasket Factor "Y" (psi)
Traditional spiral wound gasket — 304 SS and flexible graphite per ASME B16.20	3.00	10,000
Garlock's FLEXSEAL® Spiral Wound Gaskets Style CD+™Standard — 304 SS and flexible graphite	3.00	7,500
Garlock's FLEXSEAL® Spiral Wound Gaskets Style CD+™LL Standard — 304 SS and flexible graphite	3.00	5,000

This table demonstrates the ability of the new Controlled Density+ (CD+) technology to produce a gasket with low compression characteristics. Garlock FLEXSEAL® spiral wound gaskets are capable of solving the most demanding spiral wound applications including weak flange installations.

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.

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