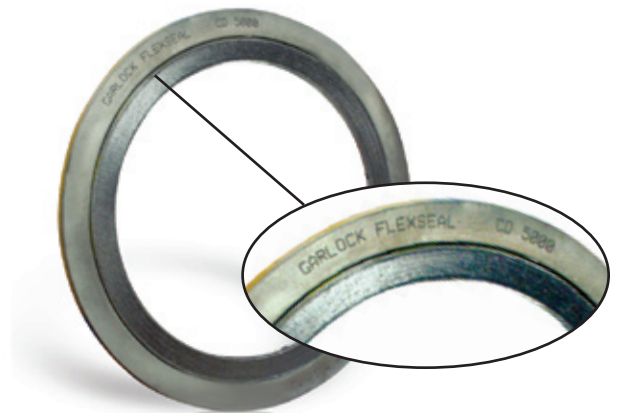


# Garlock FLEXSEAL® Spiral Wound Gasket with CONTROLLED DENSITY+™ (CD+) Technology

Garlock's FLEXSEAL® spiral wound gaskets with Controlled Density+™(CD+) technology provide consistent compressibility. This proprietary process of precise winding density control provides your engineers with a gasket designed to meet your specified seating stress and assures consistent sealing of your most critical fluids.

## Specifications

<b>Spiral Winding</b>	Choice of Metals
<b>Filler Material</b>	Flexible graphite
<b>Configurations</b>	- RW (Outer ring spiral wound) - RWI (Outer & inner ring spiral wound) - SW (Winding only) - SWI (Winding with inner ring) - SWP (Winding with ribs) - SWIP (Winding with inner rings & ribs)
<b>Flange types</b>	Flat or raised face
<b>Sizes</b>	All
<b>Pressure Classes</b>	ASME/ANSI 150-2500
<b>Temperature, max.</b>	To 1,200°F (650°C)



## Value & Benefits

- End User ability to engineer and specify a wide range of seating stresses including 5,000 psi
- Compensates for weak flange designs enhancing plant and personnel safety
- Ensure bolt stresses do not exceed 25,000 psi for compliance to ASME 31.3 and PV and B codes
- High tightness level achieved with minimal compressive load
- Available in wide range of spiral wound designs
- Computerized manufacturing process ensures optimum winding density across entire gasket
- Complies with ASME B16.20 dimensions
- No exposed filler that can be damaged during installation
- Can be used for different flange facings and ASME/ANSI pressure classes 150 – 2500

## Ideal for

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

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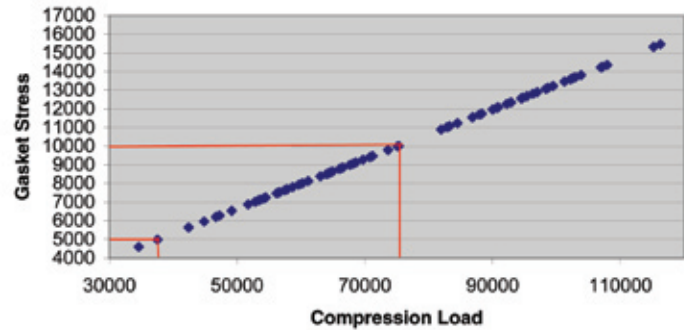
# CONTROLLED DENSITY+™ Technology

Meeting today's and tomorrow's even more stringent fugitive emissions standards requires the spiral wound gasket to be engineered to work in concert with all components of the flange connection. FLEXSEAL® spiral wound gaskets with Controlled Density+™ (CD+) technology can be compatibly engineered for each unique flange unit.

Precise control achieved through this process ensures all Garlock FLEXSEAL® spiral wound gaskets are designed to handle your specific application.

Filler density in a spiral wound gasket is critical for load/compression and sealing performance. The optimum filler density is kept constant across the entire gasket width, ensuring uniform compression and ideal sealing performance when installed in a bolted connection.

RW 4" 150 PSI 304/FG



This graph demonstrates the ability of the new Controlled Density+™ (CD+) technology to produce a gasket with customized compression characteristics based on the application requirements. Each of the data points represents an ASME B16.20 dimensionally compliant 4" 150 PSI RW manufactured with this new technology. The horizontal axis represents the compressive load required to fully compress or seat the gasket to its ASME B16.20 thickness of 0.130". The vertical axis is the corresponding gasket stress generated by the compressive load. Garlock FLEXSEAL® spiral wound gaskets are capable of solving the most demanding spiral wound applications from weak flanges to excessive number of bolts by simply specifying the required gasket stress at the time of order.

## 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.

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