

SPIRAL WOUND GASKETS



product family

Spiral wound gaskets are made of alternate plies of preformed metal and a soft non-metallic filler. The metal winding of the gasket is formed into a "chevron" configuration allowing superior resiliency and self-adjustment when compared to conventional gaskets. The density of the spiral wound gasket can be varied to meet virtually any requirement. Electronic controls on the spiral wound gasket machines assure high quality precision welding with equal spacing, the correct number of metal plies on the gasket inside periphery, proper ration of metal to filler, proper number of metal plies on the outside and spot welds on the O.D. The soft non-metallic filler is essentially flush with the metal winding on both contact faces of the gasket, thus producing a smooth sealing surface.

Spiral wound gaskets are available in a wide range of sizes and thicknesses and are available for order in almost any combination of component materials. Basic constructions are based upon requirements in ASME B 16.20 construction standard.

The standard size spiral wound gaskets are double color coded for easy identification of the winding metal and filler while the gasket is on the shelf or installed between flanges. The metal is designated by a solid color on the entire outside edge of the centering ring. Filler materials are identified by a number of stripes placed at intervals around the outside edges of the centering ring. This coding system is consistent with ASME B 16.20.

Gasket Constants	"M" - 3 "Y" - 10.000 PSI
Temperature range	
Graphite filler	Cryogenic to 524°C*
PTFE filler	Cryogenic to 232°C

*Standard grade graphite - 454°C
Super inhibited flexible graphite (SGL APX2) - 524°C

Available in three distinct designs, spiral wound gaskets can be custom engineered to fit most any application.



Style W is a spiral wound sealing component only that is normally used on tongue and groove joints, male and female flange facings and groove to flat flange facings. This style offers superior resiliency and self adjustment.



Style WR consists of a spiral wound sealing component with a solid metal outer guide ring. This style is used on plain flat face flanges and on raised face flanges. The outer guide ring serves to center the gasket in the joint and acts as an anti-blowout device, provides radial support for the spiral wound component, and acts as a compression gauge to prevent the spiral wound component from being crushed.



Style WRI is identical to style WR with the addition of an inner ring which provides radial support for the gasket on the I.D. to help prevent the occurrence of buckling or implosion. The I.D. is normally sized slightly larger than the I.D. of the flange bore, minimizing turbulence in the process flow.