

SPIRAL WOUND GASKET MADE OF EXPANDED GRAPHITE AND STAINLESS STEEL 316 L

### COMPOSITION:

MONTERO BELPAFLEX Spiral Wound Gaskets are made of alternative spiral windings of preformed metal strips in “V” shaped and expanded mineral graphite (as filler). The main material used for these gaskets is Stainless Steel AISI 316L that offers a high resiliency and confers to these gaskets a high thermal and chemical resistance.

This type of construction makes the spiral wound gaskets MONTERO BELPAFLEX® suitable for almost every industrial equipment but specially in steam lines for high and middle pressures.

Advantages of the outer compression ring (SPIRAL WOUND GASKETS BELPAFLEX® TYPE SR): it provides, besides the best installation between fasteners, protection against pressure and external agents. This ring prevents creep deformation of the filler material and also over-compression and avoids the “Blow out” effect caused by rough changes in pressure and temperature.

### TECNICAL DATA

Graphite Density ASTM D 792	1.1 g/cm <sup>3</sup>
Maximum Pressure	Up to 250 320 Bar.
Maximum Temperature	-200°C / 550°C
Chemical Resistance (PH)	0 - 14
Gasket factor $\sigma_{VU} 0.1$ (N/mm <sup>2</sup> )	50 (SRI) / 55 (SR)
Gasket factor $\sigma_{V0}$ (N/mm <sup>2</sup> )	300 (SRI) / 150 (SR)
Gasket factor $\sigma_{B0} 300^{\circ}C$ (N/mm <sup>2</sup> )	220 (SRI) / 120 (SR)
Gasket factor m (DIN 2550)	1.4

Resistant to almost all fluids except from oleum, chlorate, nitrohydrochloric acid, bromine and fluorine fumes and high concentrations of potassium nitrate (saltpetre), sodium peroxide (sodium dioxide) and oxidant agents.

### TYPES OF SPIRALWOUND GASKETS

TYPE S	TYPE SR	TYPE SI	TYPE SRI
AISI 316L* + graphite*	AISI 316L* + graphite*	AISI 316L* + graphite*	AISI 316L* + graphite*
98% purity with corrosion inhibitor	98% purity with corrosion inhibitor	98% purity with corrosion inhibitor	98% purity with corrosion inhibitor
	outer ring carbon steel*	inner ring steel AISI 316L*	outer ring carbon steel and inner AISI 316L*



MANUFACTURED ACCORDING TO ASME 16.20 / API 601 / DIN 2690 / EN 1514 \*  
(\*for other sizes, please contact our Technical-Sales department)