

Example Characteristics

of

KEMPCHEN corrugated and spiral wound gaskets

1. Standard Types

Type of Kempchen Gasket characteristic	Corrugated WA1	SPV2J "SPIROFLEX"
inner and outer ring	Corrugated gasket	Spiral Wound gasket
core / carrier	no need	yes SS 316L / Spiral / di-chrom. steel
soft layer	SS 316 Ti / 1.4571	SS 316L / 1.4404
clean air act approved	Graphite	Graphite
fire safe approved	Yes	yes
recommended max. application pressure	Yes	yes
max. application temperature	class 900	class 2500
easy handling for mounting	550°C	550°C
sensitive at the surface	yes up to 160 inch !	yes up to 6" - no, for bigger sizes
necessary surface load N/ mm ² assembling *	Yes	no
	15	> 35 - 50
price	↓	80-85%
		↑ 100%

2. Standard Types for "cleanest medias"

Type of Kempchen Gasket characteristic	PWA1	SPV2J "SPIROFLEX"
inner and outer ring	Corrugated gasket	Spiral Wound gasket
core / carrier	no need	yes SS 316L / Spiral / di-chrom. steel
soft layer	SS 316 Ti / 1.4571	SS 316L / 1.4404
clean air act approved	PTFE non - sintered	PTFE non - sintered
fire safe approved	Yes	yes
recommended max. application pressure	no	no
max. application temperature	class 900	class 2500
easy handling for mounting	260°C	260°C
sensitive at the surface	yes up to 200 inch !	no, the spiral cannot real fix inner and outer ring
necessary surface load N/ mm ² assembling *	Yes	no
	15	> 35 - 50
price	↓	80-85%
		↑ 100%

3. Special Types for "higher critical / toxic medias"

Type of Kempchen Gasket	PWA1-3	SPV2J "SPIROFLEX"
characteristic	Corrugated gasket	Spiral Wound gasket
inner and outer ring	no need	yes SS 316L / Spiral / di-chrom. steel
core / carrier	SS 316 Ti / 1.4571	SS 316L / 1.4404
inner soft layer	PTFE envelope	PTFE non - sintered
outer soft layer	Graphite	Graphite
clean air act approved	Yes	yes
fire safe approved	Yes	yes
recommended max. application pressure	class 900	class 2500
max. application temperature	260°C	260°C
easy handling for mounting	yes up to 160 inch !	no, the spiral cannot real fix inner and outer ring
sensitive at the surface	Yes	no
necessary surface load N/ mm ² assembling *	15	> 35 - 50
price	↓	↑
		80-85%
		100%