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## GAMFLEX metal jacket gaskets

Flat gaskets cut from soft material, enveloped with a metal jacket, offer a combination of the elasticity of a filler with the chemical and mechanical resistance of the metal jacket. Depending on requirements, high-temperature thermo-insulation millboard or expanded graphite gasket sheets can be used as the inner sealing material.

The metal surface is made of acid-resistant S316L steel or copper.

This type of gasket is particularly recommended for applications where there are fluctuations in the pressure or temperature of the sealed medium.

### Working conditions (parameters):

- Temperature: from -200 to 600°C
- Pressure: up to 12 MPa (120 bar)

### Construction:

Gaskets are manufactured according to standards:

EN 1514-4

EN 12560-4

DIN 7603

GAMFLEX gaskets are made in two standard versions:

#### GAMFLEX Cu-BA

- elastic filler of thermo-insulation millboard covered with copper sheet

#### GAMFLEX SG

- elastic filler of expanded graphite covered with stainless steel 316L

### Dimensions:

Please contact us to specify exact dimensions.

### TYPES OF CONSTRUCTION

#### GAMFLEX A

Metal jacket gasket Type A is made from a single piece of metal sheet. An opening appears on the front face of the gasket, but there is no possibility of contact between the sealed medium and the soft-material filling. Despite the metal surrounding the soft gasket material, the construction does not require high assembly stress. Production is possible up to 8 mm in width.



#### GAMFLEX B

Metal jacket gasket Type B is made from two metal parts as depicted in the drawing below. This construction enables the production of gaskets wider than 8 mm, as well as large diameter gaskets or non-standard shapes.



Marking/material		ASME s. VIII		AD-2000 Merkblatt		DT-UC-90/WO-0/19							
		y MPa	m	k <sub>σ</sub> k <sub>δ</sub> N/mm	k <sub>1</sub> mm	σ <sub>m</sub> MPa	σ <sub>r</sub> MPa	Value of the "b" coefficient of gaskets in temperatures					
								20°C	100°C	200°C	300°C	400°C	
GAMFLEX	depending on a filler	SS316L	57	3,3	85 b <sub>0</sub>	1,6 b <sub>0</sub>	63,5	7,5 p <sub>0</sub>	1	1	1	1	1
		Copper	42	2,8	55,0 b <sub>0</sub>	1,6 b <sub>0</sub>	46,0	7 p <sub>0</sub>	1	1	1	1,2	1,4