



AZMES SWG manhole gaskets

The AZMES gasket is made of a spiral wound profiled steel tape, interlayered with an elastic sealing material. AZMES spiral wound gaskets are used to seal cleaning manholes of boilers and fittings. Thanks to its construction and materials, its properties are superior to cut gaskets as well as metal gaskets. Due to many layers of the profiled tape, it is able to transfer high pressures which allows for applying a considerably narrower seal in comparison to gaskets made from gasket sheets.

Working conditions (parameters)

Pressure: for manhole sealing 5,9 MPa

Temperature: max. 600°C

Construction

Made from profiled SS316L steel with an interlayer. The interlayer is chosen depending on working temperature and required resistance to media. The gaskets are made in accordance to customers' demand.

Types of construction

Gasket in standard version have elliptic shape. AZMES are applied to connections with all types of surface in manhole systems.

Dimensions: standard dimensions of AZMES gaskets (elliptic)

a [mm]	tolerance [mm]	b [mm]	tolerance [mm]	c* [mm]	tolerance [mm]			thickness		tolerance [mm]
								s [mm]	s [mm]	
100	+0,5	150	+0,5	6 ÷ 20	to 12	-0,5		4,5	6,0	+0,3
100		160		6 ÷ 20	12 ÷ 15	-0,7		4,5	6,0	+0,3
110		160		6 ÷ 20	15 ÷ 20	-1,0		4,5	6,0	+0,3
200	+0,7	300	+0,7	15 ÷ 30	to 15	-0,7		4,5	6,0	+0,3
210		310		15 ÷ 30	15 ÷ 20	-1,0		4,5	6,0	+0,3
218		318		15 ÷ 30	20 ÷ 25	-1,2		4,5	6,0	+0,3
220		320		15 ÷ 30	25 ÷ 30	-1,5		4,5	6,0	+0,3
290	+1,0	390	+1,0	15 ÷ 40				4,5	6,0	+0,3
300		400		15 ÷ 40	to 20	-1,2		4,5	6,0	+0,3
303		403		15 ÷ 40	20 ÷ 25	-1,5		4,5	6,0	+0,3
305		405		15 ÷ 40	25 ÷ 30	-1,8		4,5	6,0	+0,3
310		410		15 ÷ 40	30 ÷ 35	-2,0		4,5	6,0	+0,3
319		419		15 ÷ 40	35 ÷ 40	-2,4		4,5	6,0	+0,3
380		480		15 ÷ 40				4,5	6,0	+0,3

Available fillers		
Material of filler	Max. working temperature °C	Media resistance
Gambit AF-300*	300°C	Water, steam, solutions of salt, weak acids and bases
Expanded graphite	450°C steam 600°C	All media except for strong oxidants
PTFE	280°C	All media except for smelted alkali metals and fluorine
* if agreed, another filler material can be applied		

