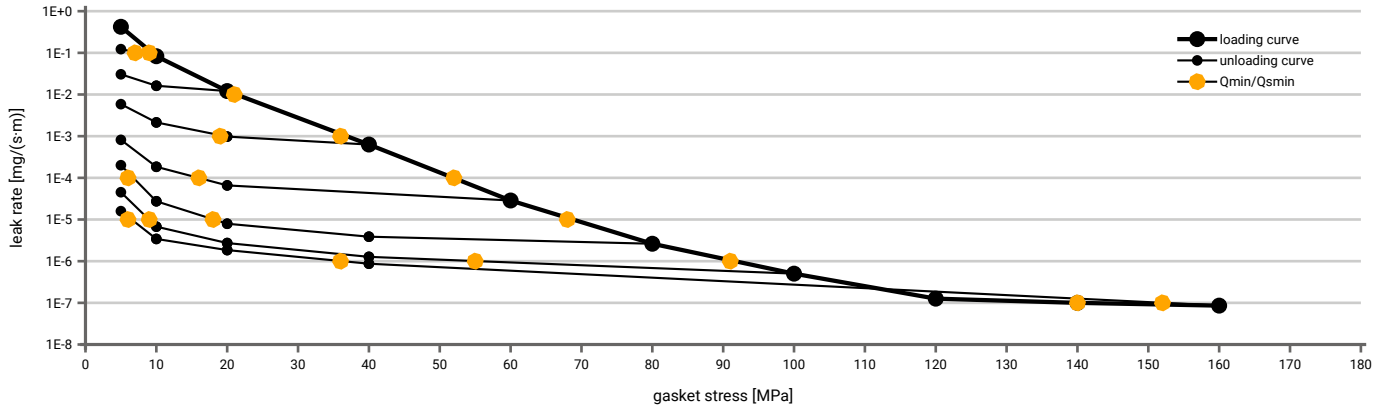
Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to DIN EN 13555 2014-7
Product name	AF-GL	
Product dimensions	91 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

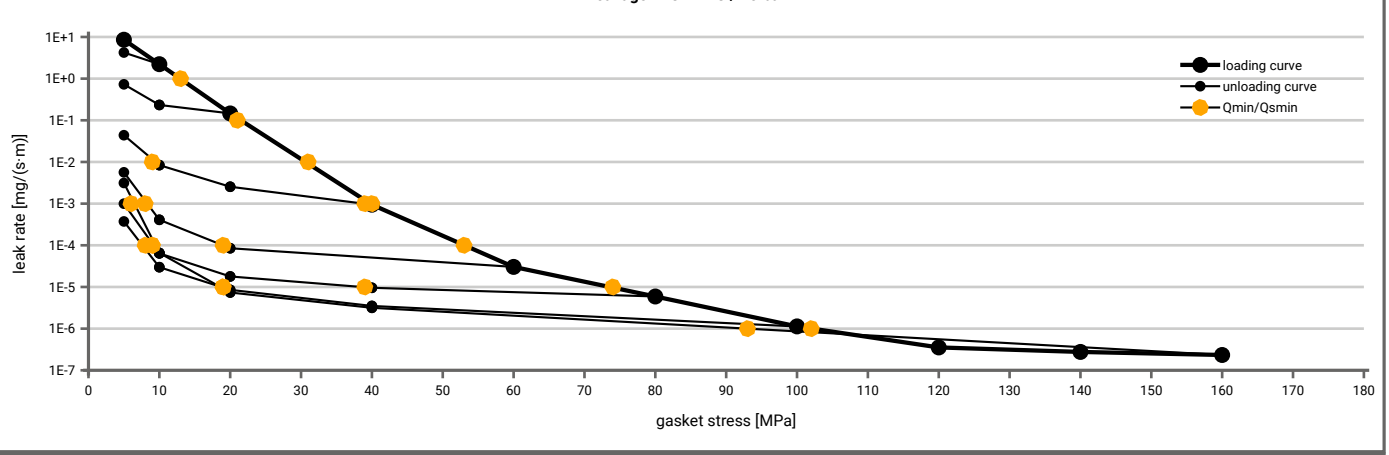
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		Q_A = 5 [MPa]	Q_A = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]	Q_A = 100 [MPa]	Q_A = 120 [MPa]	Q_A = 140 [MPa]	Q_A = 160 [MPa]
1E-0	5		5	5	5	5	5	5			5
1E-1	9		8	5	5	5	5	5			5
1E-2	21				5	5	5	5			5
1E-3	37				20	5	5	5			5
1E-4	52					16	7	5			5
1E-5	69						18	9			7
1E-6	92							56			36
1E-7	140										152
1E-8											



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		Q_A = 5.4 [MPa]	Q_A = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]	Q_A = 100 [MPa]	Q_A = 120 [MPa]	Q_A = 140 [MPa]	Q_A = 160 [MPa]
1E+1	5		5	5	5	5	5	5			5
1E-0	13			5	5	5	5	5			5
1E-1	22				5	5	5	5			5
1E-2	31				10	5	5	5			5
1E-3	40				39	9	5	5			7
1E-4	53					19	10	8			10
1E-5	74						39	19			19
1E-6	102										93
1E-7											
1E-8											

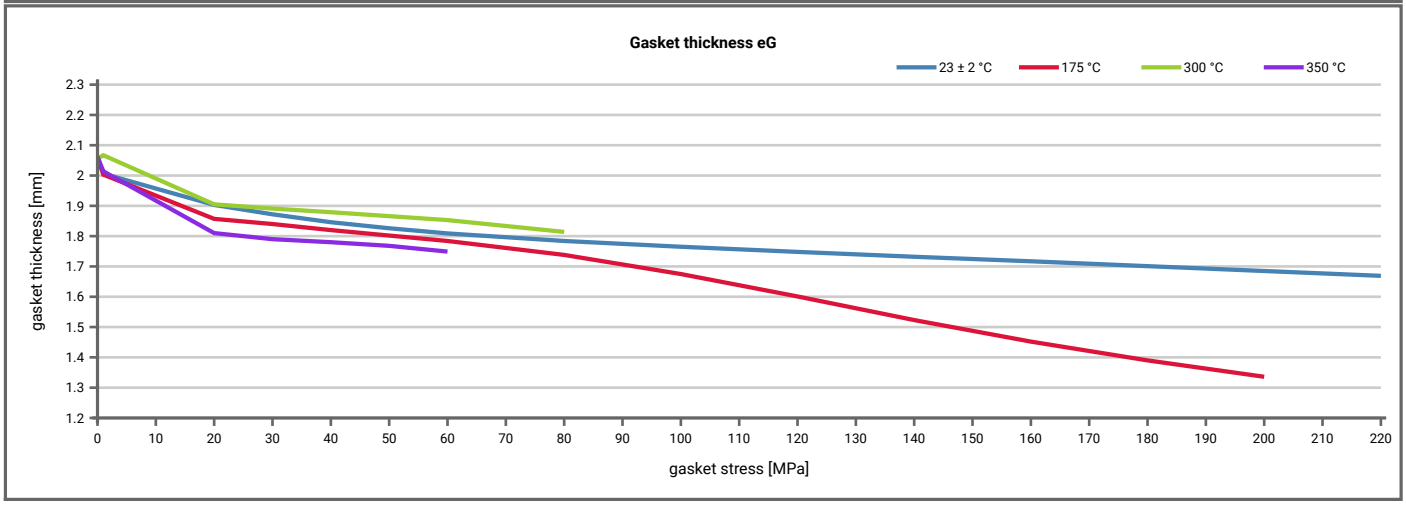


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2015-11-05**

Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to **DIN EN 13555 2014-7**
Product name	AF-GL	
Product dimensions	91 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [175 °C]**		**Temperature 2 [300 °C]**		**Temperature 3 [350 °C]**			
	P_{QR}	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**
Stress level 1 [30 MPa]	0.95	13	0.82	47	0.62	97	0.59	103		
Stress level 2 [50 MPa]	0.97	15	0.87	55	0.62	162	0.60	168		
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	18	0.76	403	0.59	279	0.57	219		
Q_{smax}	220 MPa		200 MPa		80 MPa		60 MPa			

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [175 °C]**		**Temperature 2 [300 °C]**		**Temperature 3 [350 °C]**			
	E_G [MPa]	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**
0	0	2.058	0	2.064	0	2.056	0	2.062		
1	0	2.006	0	2.003	0	2.067	0	2.014		
20	1736	1.903	2626	1.857	15405	1.905	10029	1.810		
30	2289	1.872	2755	1.840	6800	1.891	4753	1.790		
40	2894	1.846	2768	1.820	6421	1.879	4754	1.780		
50	3609	1.826	3109	1.802	6278	1.866	5125	1.768		
60	4230	1.809	3483	1.784	6136	1.853	4992	1.749		
80	5453	1.784	3986	1.738	6442	1.814				
100	6419	1.765	4506	1.675						
120	6961	1.748	4745	1.601						
140	7435	1.732	5015	1.523						
160	7898	1.717	5202	1.452						
180	8186	1.701	5186	1.390						
200	8416	1.685	5300	1.336						
220	8510	1.669								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2015-11-05**