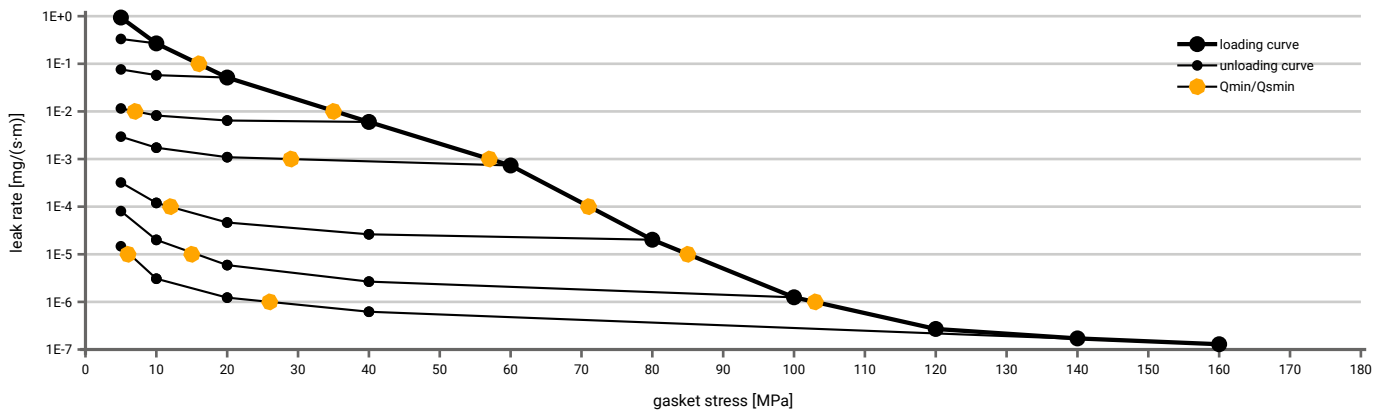
Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to **DIN EN 13555 2005-2**
Product name	AF-300B	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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 = 5.2 [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	16			5	5	5	5	5			5
1E-2	35				7	5	5	5			5
1E-3	57					29	5	5			5
1E-4	71						12	5			5
1E-5	85							16			7
1E-6	103										26
1E-7											
1E-8											

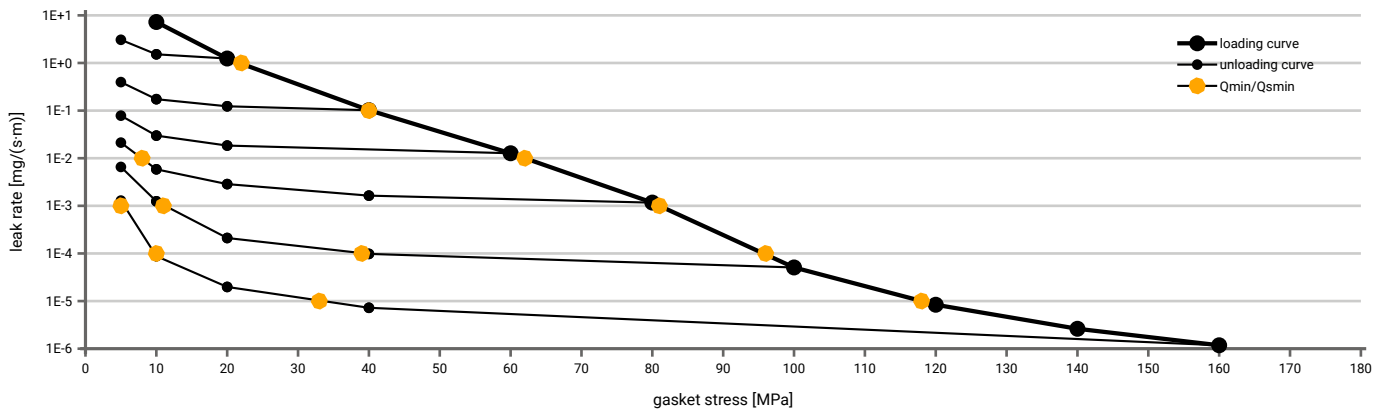
Leakage - 23 ± 2 °C / 10 bar



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 = 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	10		5	5	5	5	5			5
1E-0	22			5	5	5	5			5
1E-1	40				5	5	5			5
1E-2	62					8	5			5
1E-3	81						12			6
1E-4	96						40			10
1E-5	118									34
1E-6										
1E-7										
1E-8										

Leakage - 23 ± 2 °C / 40 bar

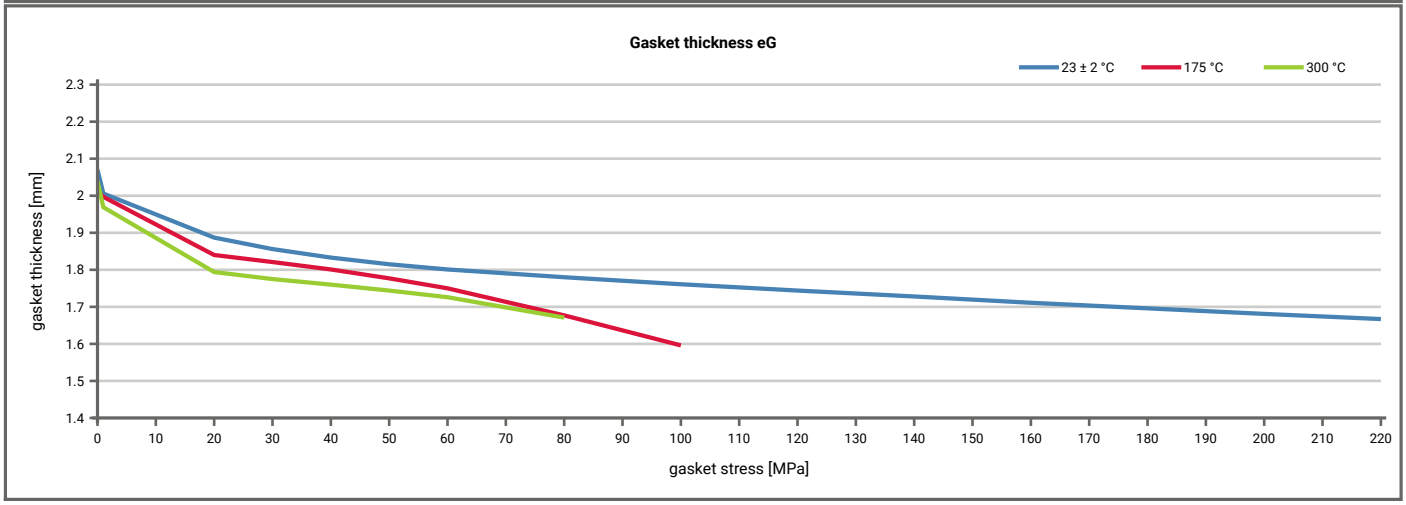


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2012-05-31**

Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to **DIN EN 13555 2005-2**
Product name	AF-300B	
Product dimensions	92 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]**					
	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	14	0.84	40	0.59	104				
Stress level 2 [50 MPa]	0.97	13	0.85	65	0.58	176				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	18	0.79	180	0.55	305				
Q_{smax}	220 MPa		100 MPa		80 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]**					
	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	2.070	0	2.012	0	2.040				
1	0	2.006	0	1.997	0	1.969				
20	1302	1.887	1854	1.840	6200	1.794				
30	1973	1.856	2365	1.821	4510	1.775				
40	2796	1.833	2693	1.801	4667	1.760				
50	3588	1.815	3113	1.777	4344	1.744				
60	4315	1.801	3342	1.750	4478	1.726				
80	5516	1.780	3750	1.677	5082	1.671				
100	6409	1.761	4124	1.596						
120	7110	1.744								
140	7613	1.728								
160	7931	1.711								
180	8348	1.696								
200	8694	1.681								
220	9106	1.667								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2012-05-31**