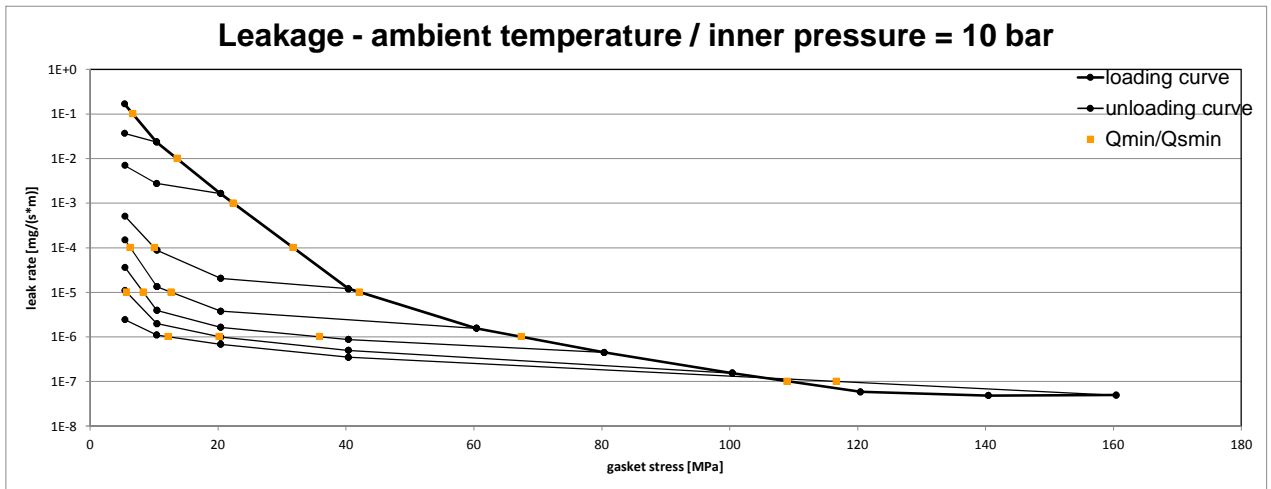
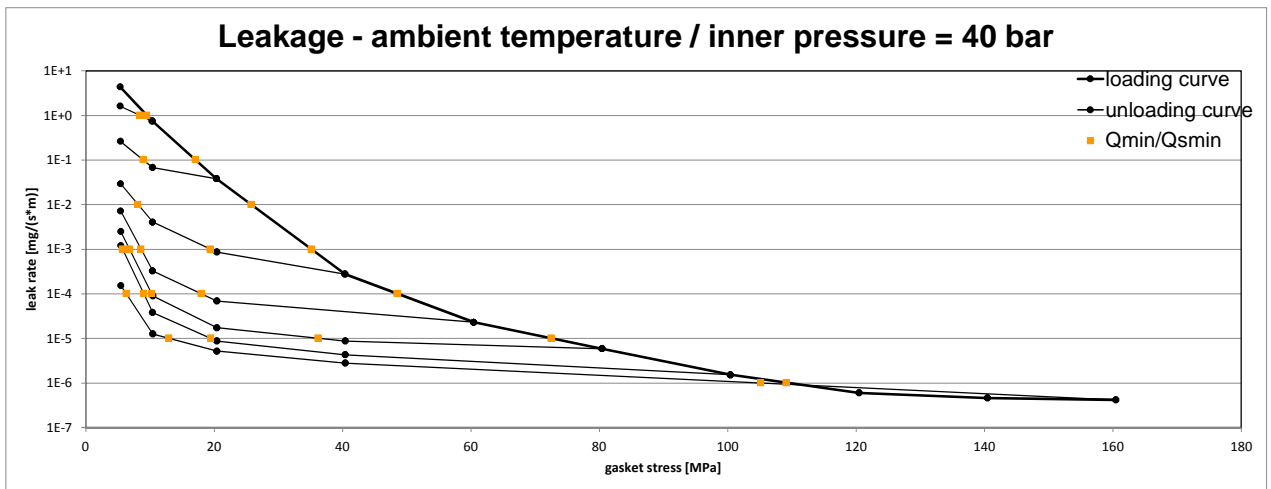


Company Address	Gambit-Lubawka Sp. z o.o., ul. Wojska Polskiego 16, 58-420 Lubawka, Poland
Gasket Type	AF-OIL®
Sealing element dimensions [mm]	92 x 49 x 1

L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 10 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa	
10 <sup>0</sup>	5	5	5	5	5	5	5			5	
10 <sup>-1</sup>	7	5	5	5	5	5	5			5	
10 <sup>-2</sup>	14		5	5	5	5	5			5	
10 <sup>-3</sup>	22			5	5	5	5			5	
10 <sup>-4</sup>	32			10	6	5	5			5	
10 <sup>-5</sup>	42				13	8	6			5	
10 <sup>-6</sup>	67					36	20			12	
10 <sup>-7</sup>	109									117	
10 <sup>-8</sup>											



L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 40 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa	
10 <sup>0</sup>	10	8	5	5	5	5	5			5	
10 <sup>-1</sup>	17		9	5	5	5	5			5	
10 <sup>-2</sup>	26			8	5	5	5			5	
10 <sup>-3</sup>	35			19	9	7	6			5	
10 <sup>-4</sup>	49				18	10	9			6	
10 <sup>-5</sup>	73					36	19			13	
10 <sup>-6</sup>	109									105	
10 <sup>-7</sup>											
10 <sup>-8</sup>											



Note: the content of darkened cells was not determined respectively is unnecessary      Rev - No: 1      Creation date of this sheet: 18.09.2014

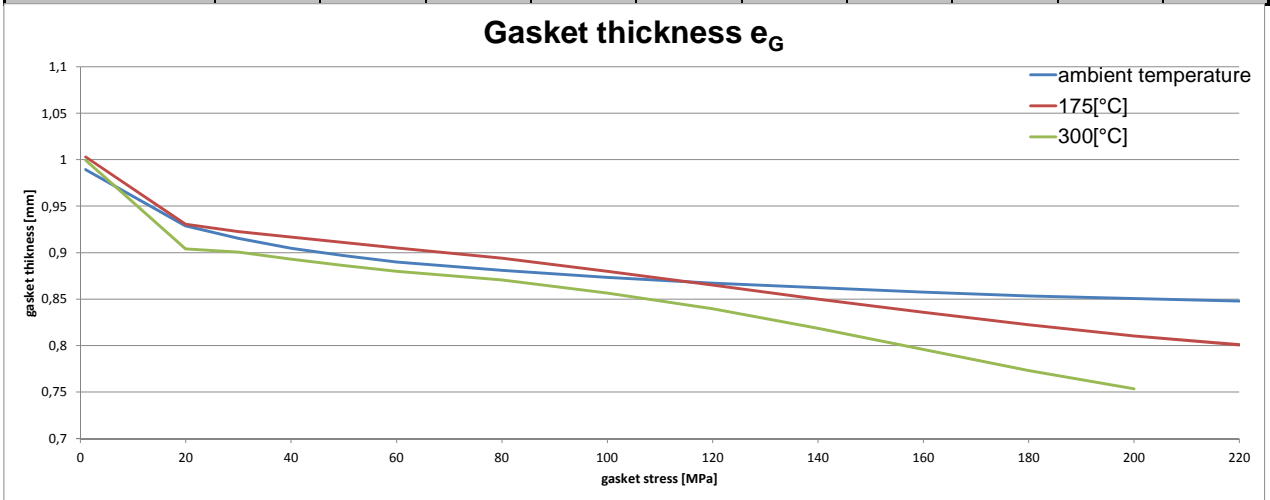


Company Address	Gambit-Lubawka Sp. z o.o., ul. Wojska Polskiego 16, 58-420 Lubawka, Poland
Gasket Type	AF-OIL®
Sealing element dimensions [mm]	92 x 49 x 1

Relaxation ratio $P_{QR}$ for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [175 °C]	temperature 2 [300 °C]		
Stress level 1 [30 MPa]	0,97	0,91	0,83		
Stress level 2 [50 MPa]	0,98	0,94	0,82		
PQR at $Q_{Smax}$	1,00 at 220 MPa	0,93 at 220 MPa	0,86 at 200 MPa		

Maximal applicable gasket stress $Q_{Smax}$			
$Q_{Smax}$ [MPa] ambient temperature	$Q_{Smax}$ [MPa] – temperature 1 [175 °C]	$Q_{Smax}$ [MPa] – temperature 2 [300 °C]	
220	220	200	

Sekant unloading modulus of the gasket $E_G$ [MPa] and gasket thickness $e_G$ [mm]						
Gasket stress [MPa]	ambient temperature		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]
0		1,013		1,007		1,020
1		0,990		1,003		1,000
20	1204	0,929	2308	0,930	2916	0,904
30	1849	0,915	2377	0,923	7607	0,901
40	2612	0,905	3239	0,917	5218	0,893
50	3536	0,897	3841	0,911	5171	0,886
60	4264	0,890	4115	0,905	4904	0,880
80	5695	0,881	4586	0,894	5312	0,871
100	6659	0,873	4474	0,880	5411	0,857
120	6945	0,867	4979	0,865	5809	0,840
140	7487	0,862	4783	0,850	5732	0,819
160	7829	0,858	5084	0,836	6142	0,796
180	8164	0,854	5323	0,822	6313	0,773
200	9198	0,851	5581	0,810	7572	0,753
220	10405	0,848	6337	0,801		



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