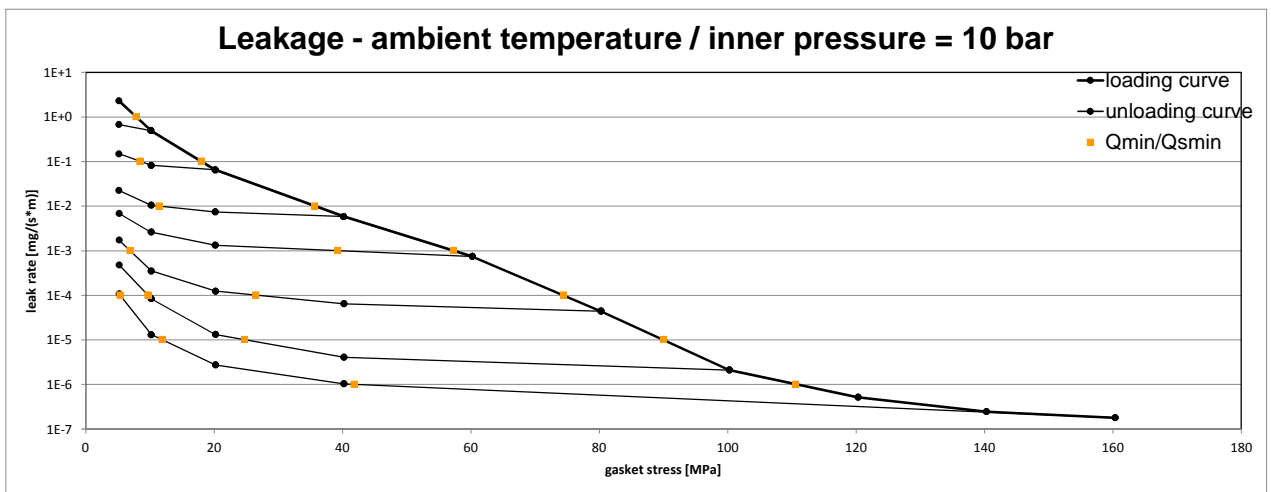
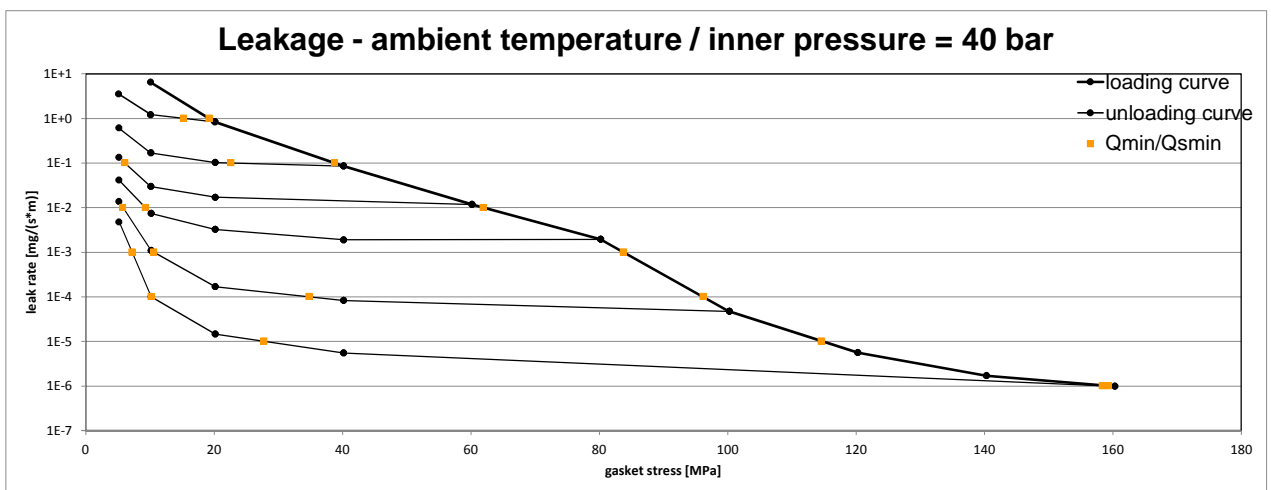


Company Address	Gambit-Lubawka Sp. z o.o., ul. Wojska Polskiego 16, 58-420 Lubawka, Poland
Gasket Type	AF-OIL®
Sealing element dimensions [mm]	92 x 49 x 2

L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		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	
10 ⁰	8	5	5	5	5	5	5			5	
10 ⁻¹	18		8	5	5	5	5			5	
10 ⁻²	36			11	5	5	5			5	
10 ⁻³	57				39	7	5			5	
10 ⁻⁴	74					27	10			5	
10 ⁻⁵	90						25			12	
10 ⁻⁶	111									42	
10 ⁻⁷											
10 ⁻⁸											



L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
		Q _{Smin/L} [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		
10 ⁰	19	15	5	5	5	5			5		
10 ⁻¹	39		23	6	5	5			5		
10 ⁻²	62				9	6			5		
10 ⁻³	84					11			7		
10 ⁻⁴	96					35			10		
10 ⁻⁵	115								28		
10 ⁻⁶	159								158		
10 ⁻⁷											
10 ⁻⁸											



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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]	0,94	0,82	0,61	
Stress level 2 [50 MPa]	0,97	0,90	0,69	
PQR at Q_{Smax}	0,99 at 220 MPa	0,86 at 220 MPa	0,67 at 80 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa]	Q_{Smax} [MPa] – temperature 1 [175 °C]	Q_{Smax} [MPa] – temperature 2 [300 °C]	
ambient temperature			
220	220	80	

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]
1		2,083		2,086		2,085
20	1133	1,955	1680	1,922	9216	1,890
30	1766	1,925	2311	1,909	5235	1,873
40	2457	1,903	2660	1,895	4853	1,859
50	3186	1,885	3369	1,883	5285	1,847
60	3982	1,871	3678	1,871	5453	1,834
80	5399	1,851	4440	1,845	6179	1,808
100	6535	1,835	4784	1,815		
120	7345	1,821	5132	1,784		
140	8098	1,808	5521	1,751		
160	8523	1,796	5870	1,720		
180	8926	1,785	6238	1,690		
200	9383	1,774	6468	1,663		
220	9739	1,763	6772	1,638		

