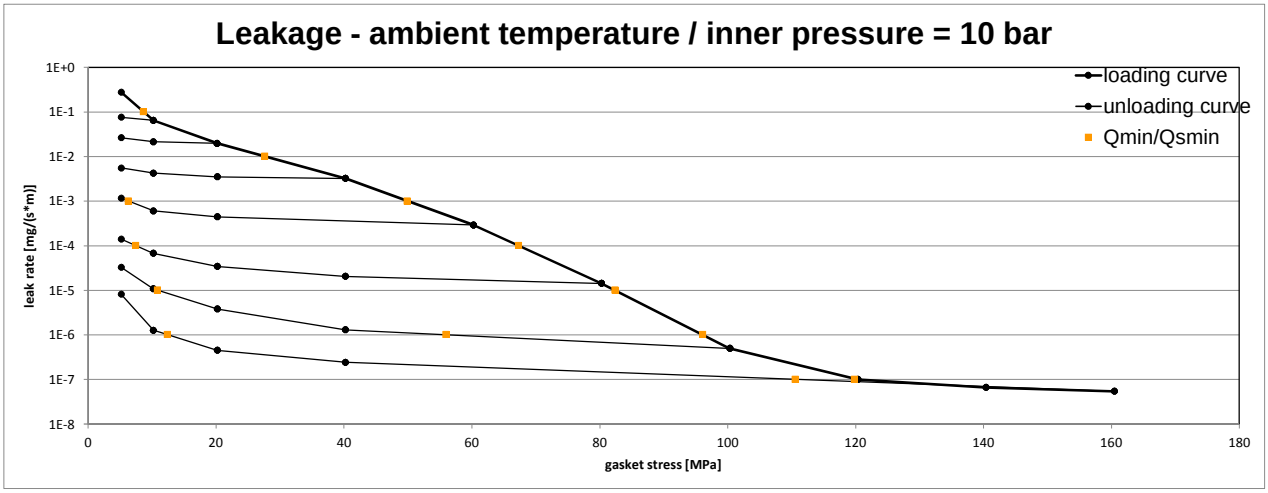
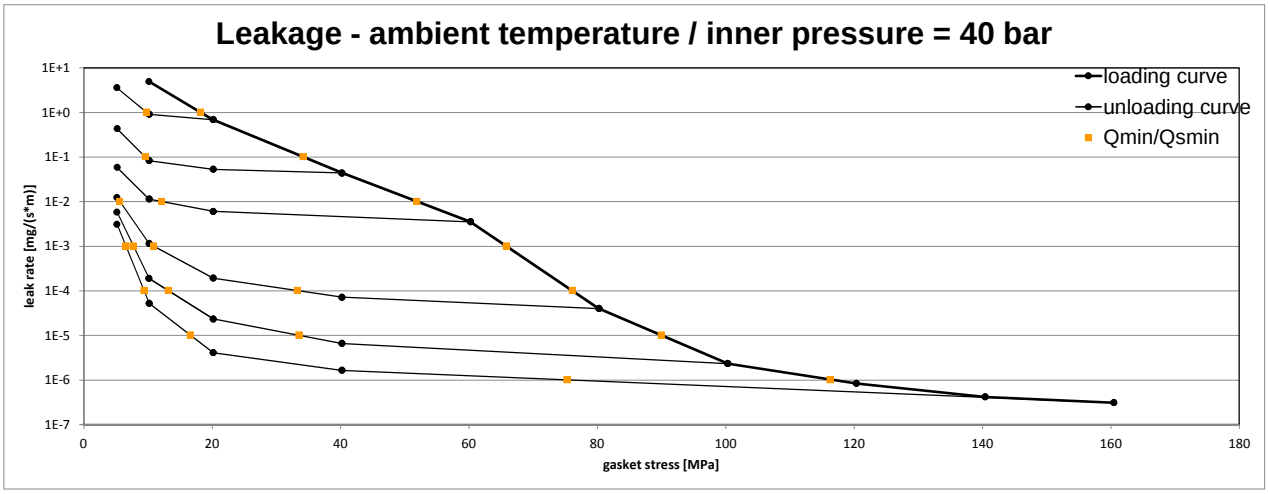
Company Address	*Gambit-Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, Poland*
Gasket Type	*AF-200 UNIVERSAL*
Sealing element dimensions [mm]	*92 x 49 x 2*

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (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}	5	5	5	5	5	5	5			5	
10^{-1}	9	5	5	5	5	5	5			5	
10^{-2}	28			5	5	5	5			5	
10^{-3}	50				6	5	5			5	
10^{-4}	67					7	5			5	
10^{-5}	82						11			5	
10^{-6}	96						56			12	
10^{-7}	120									111	
10^{-8}											



L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (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}	18	10	5	5	5	5			5		
10^{-1}	34		10	5	5	5			5		
10^{-2}	52			12	6	5			5		
10^{-3}	66				11	8			7		
10^{-4}	76				33	13			9		
10^{-5}	90					34			17		
10^{-6}	116								75		
10^{-7}											
10^{-8}											



Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 2	Creation date of this sheet: *16.04.2014*

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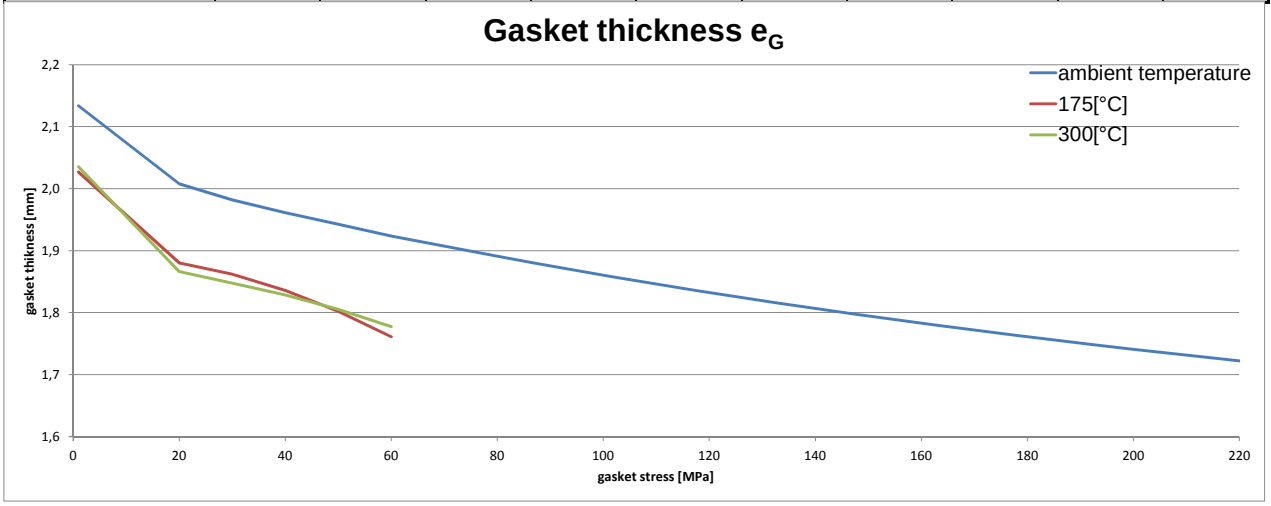
Company Address	*Gambit-Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, Poland*
Gasket Type	*AF-200 UNIVERSAL*
Sealing element dimensions [mm]	*92 x 49 x 2*

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]	0,96	0,84	0,54		
Stress level 2 [50 MPa]	0,97	0,78	0,57		
PQR at Q_{Smax}	0,98 *at 220 MPa*	0,76 *at 60 MPa*	0,53 *at 60 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	60	60		

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		2,134		2,027		2,036				
20	1534	2,008	2314	1,880	5157	1,866				
30	2547	1,982	2622	1,862	3929	1,848				
40	3542	1,961	2839	1,836	3882	1,829				
50	4325	1,942	3032	1,802	3981	1,806				
60	4909	1,924	3252	1,761	4472	1,778				
80	5837	1,891								
100	6465	1,860								
120	6887	1,832								
140	7219	1,807								
160	7401	1,783								
180	7715	1,761								
200	7989	1,741								
220	8217	1,722								



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