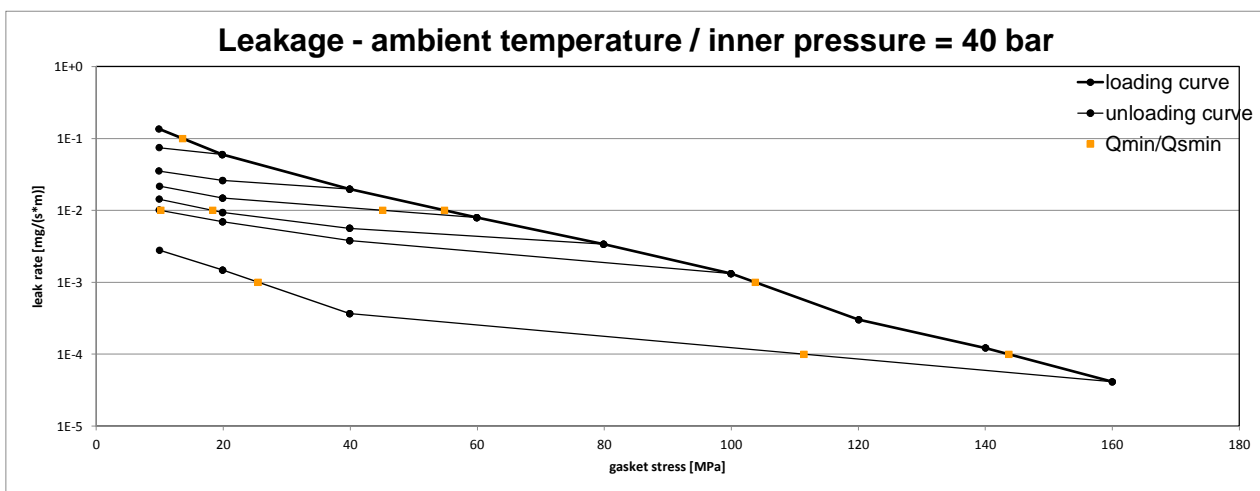
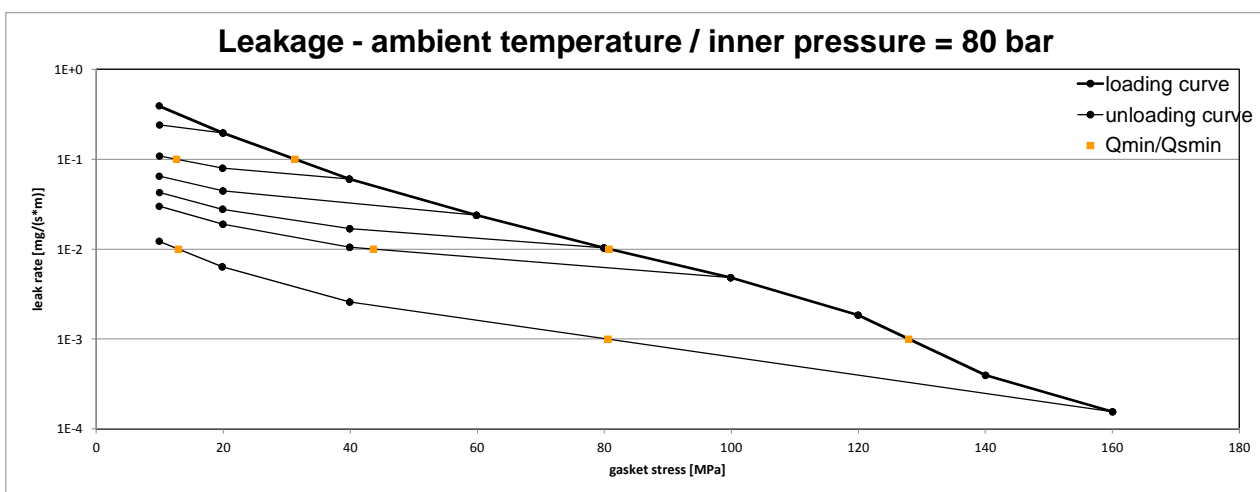


Company Address	Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode
Gasket Type	Grafitit SP
Sealing element dimensions [mm]	92 x 49 x 1.5

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	10	10	10	10	10	10			10	
10 ⁻¹	14	10	10	10	10	10			10	
10 ⁻²	55			45	18	10			10	
10 ⁻³	104								25	
10 ⁻⁴	144								111	
10 ⁻⁵										
10 ⁻⁶										
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 = 80 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	10	10	10	10	10	10			10	
10 ⁻¹	31		13	10	10	10			10	
10 ⁻²	81					44			13	
10 ⁻³	128								81	
10 ⁻⁴										
10 ⁻⁵										
10 ⁻⁶										
10 ⁻⁷										
10 ⁻⁸										



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 27.09.2011



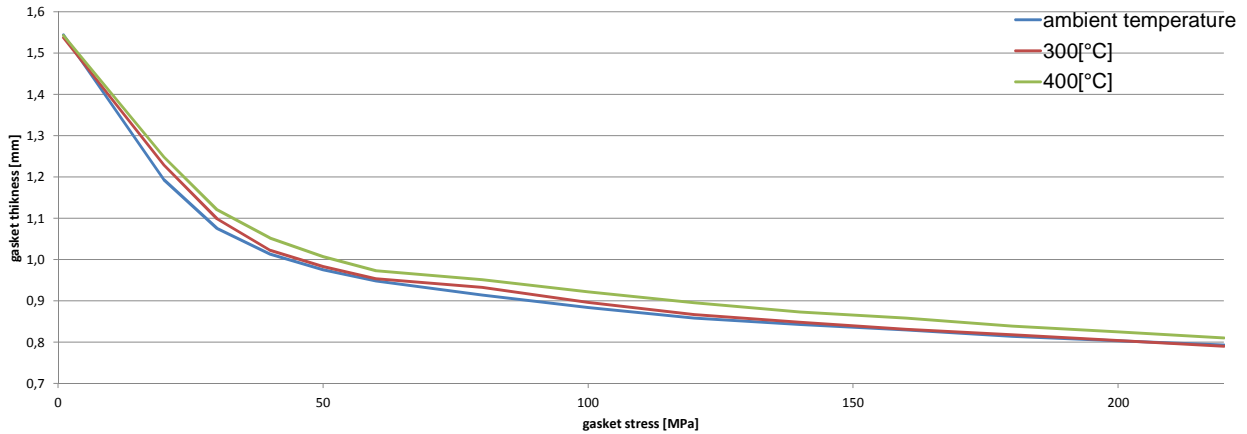
Company Address	<i>Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode</i>
Gasket Type	<i>Grafilit SP</i>
Sealing element dimensions [mm]	<i>92 x 49 x 1.5</i>

Relaxation ratio P_{QR} for stiffness $C = 500 \text{ kN/mm}$				
Gasket stress [MPa]	temperature 1 [25 °C]	temperature 2 [300 °C]	temperature 3 [400 °C]	
Stress level 1 [30 MPa]	0,98	0,94	0,91	
Stress level 2 [50 MPa]	0,99	0,96	0,95	
PQR at Q_{Smax}	1,00 at 220 MPa	0,99 at 220 MPa	0,99 at 220 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] [25 °C]	Q_{Smax} [MPa] – temperature 1 [300 °C]	Q_{Smax} [MPa] – temperature 2 [400 °C]	
220	220	220	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [300 °C]		temperature 2 [400 °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										
1		1,54		1,54		1,54				
20	242	1,19	226	1,23	250	1,25				
30	453	1,08	505	1,10	482	1,12				
40	691	1,01	605	1,02	780	1,05				
50	924	0,98	1094	0,98	941	1,01				
60	1194	0,95	1414	0,95	1300	0,97				
80	1321	0,91	1871	0,93	1778	0,95				
100	1879	0,88	1871	0,90	2583	0,92				
120	1905	0,86	2020	0,87	2438	0,90				
140	2514	0,84	2675	0,85	2427	0,87				
160	3265	0,83	2730	0,83	2874	0,86				
180	3171	0,81	2776	0,82	2641	0,84				
200	3124	0,80	3060	0,80	2677	0,83				
220	3190	0,79	2799	0,79	2842	0,81				

Gasket thickness e_G



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