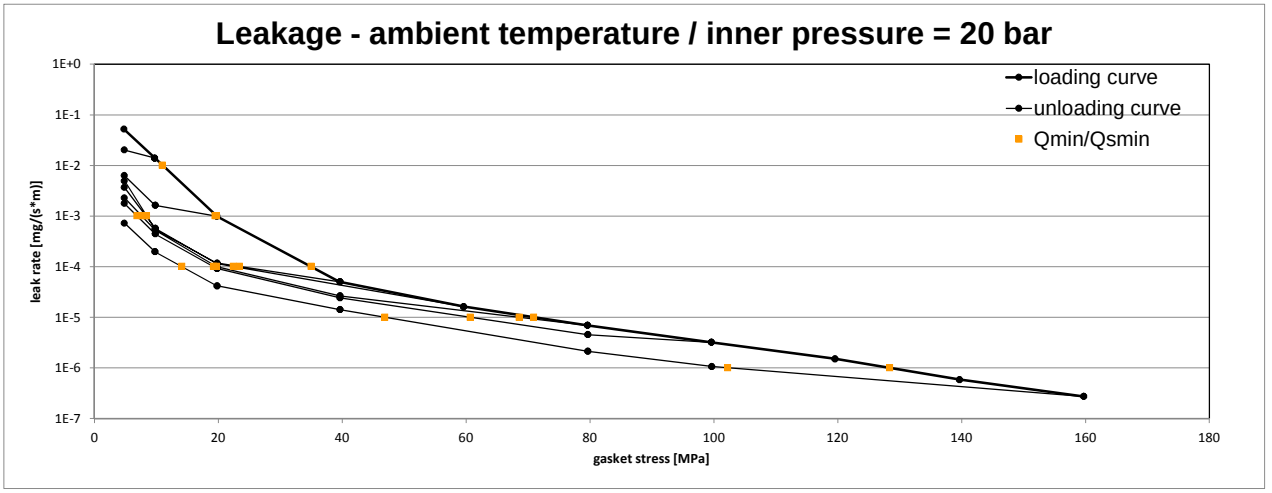
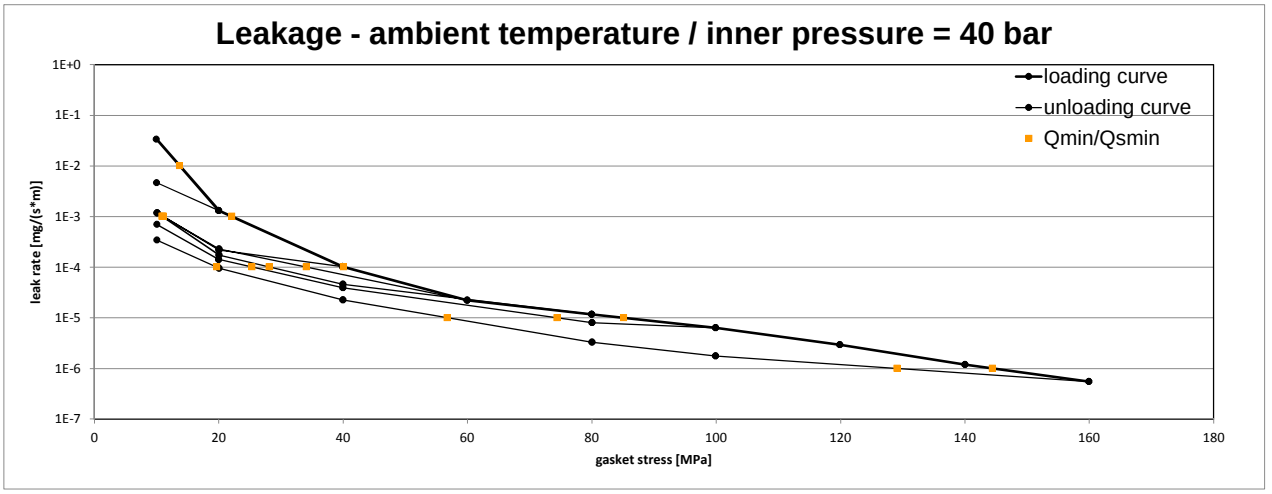
Company Address	*Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode*
Gasket Type	*MW12A-3 (corrugated gasket; 1.4571 / nuclear graphite - 0.8 mm)*
Sealing element dimensions [mm]	*84 x 49 x 2.9*

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 = 20 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}	5	5	5	5	5	5	5			5	
10^{-2}	11		5	5	5	5	5			5	
10^{-3}	20		20	8	8	8	7			5	
10^{-4}	35			23	22	20	19			14	
10^{-5}	71					69	61			47	
10^{-6}	128									102	
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}	10	10	10	10	10	10			10		
10^{-1}	10	10	10	10	10	10			10		
10^{-2}	14	10	10	10	10	10			10		
10^{-3}	22		11	11	11	10			10		
10^{-4}	40			34	28	25			20		
10^{-5}	85					74			57		
10^{-6}	144								129		
10^{-7}											
10^{-8}											



Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 1	Creation date of this sheet:	*31.03.2014*

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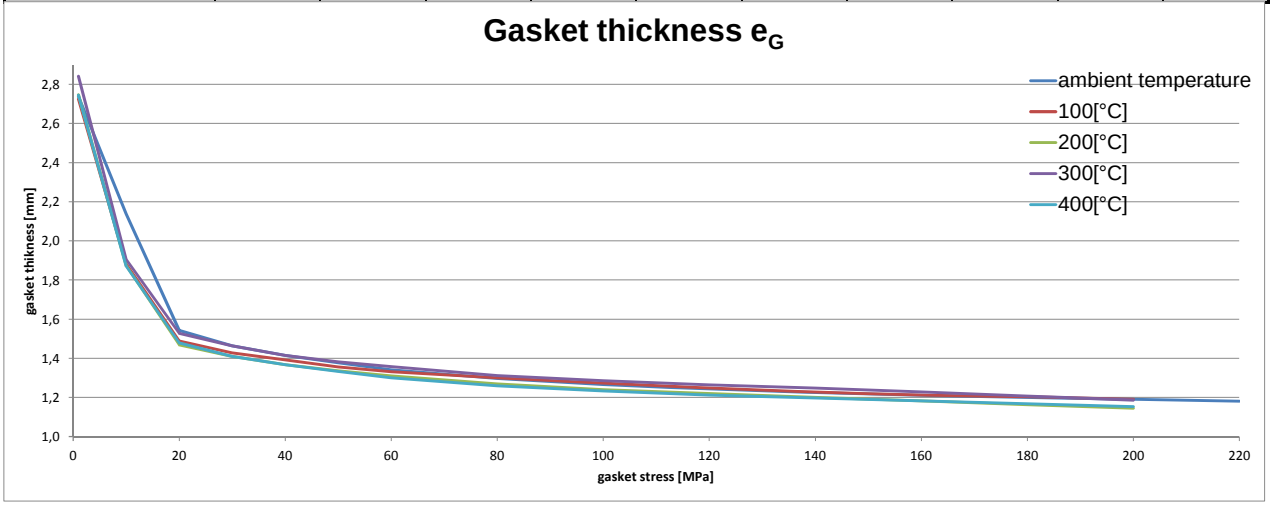
Company Address	*Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode*
Gasket Type	*MW12A-3 (corrugated gasket; 1.4571 / nuclear graphite - 0.8 mm)*
Sealing element dimensions [mm]	*84 x 49 x 2.9*

Relaxation ratio P_{QR} for stiffness **C** = 500 kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [200 °C]	temperature 3 [300 °C]	temperature 4 [400 °C]
Stress level 1 [30 MPa]	0,96	0,83	0,80	0,75	0,69
Stress level 2 [50 MPa]	0,99	0,91	0,87	0,86	0,83
Stress level 3 [90 MPa]	0,99	0,96	0,93	0,92	0,91
PQR at Q_{Smax}	1,00 *at 220 MPa*	0,98 *at 200 MPa*	0,96 *at 200 MPa*	0,94 *at 200 MPa*	0,94 *at 200 MPa*

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [200 °C]	Q_{Smax} [MPa] – temperature 3 [300 °C]	Q_{Smax} [MPa] – temperature 4 [400 °C]
220	200	200	200	200

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [100 °C]		temperature 2 [200 °C]		temperature 3 [300 °C]		temperature 4 [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]
1		2,738		2,725		2,747		2,842		2,745
10	346	2,137	428	1,882	366	1,873	572	1,905	363	1,871
20	820	1,542	737	1,487	835	1,469	816	1,527	706	1,478
30	1190	1,463	1223	1,428	1294	1,409	1324	1,463	1309	1,409
40	1568	1,414	2337	1,392	1246	1,367	1524	1,415	1805	1,367
50	1973	1,377	1657	1,355	1727	1,335	2068	1,381	2752	1,333
60	1847	1,341	2420	1,331	2224	1,309	3394	1,358	1989	1,300
80	2949	1,297	4435	1,301	3187	1,269	2914	1,311	3228	1,259
100	3555	1,265	4681	1,273	3606	1,240	4466	1,284	4765	1,233
120	4542	1,243	3909	1,247	4387	1,219	6395	1,265	4591	1,212
140	4749	1,225	5029	1,227	4939	1,200	7776	1,247	5536	1,196
160	5471	1,212	6459	1,214	5188	1,183	6538	1,227	6135	1,182
180	6510	1,199	8199	1,203	5322	1,163	6558	1,206	6549	1,168
200	7551	1,190	10543	1,191	5795	1,144	9742	1,187	6433	1,153
220	8062	1,180								



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