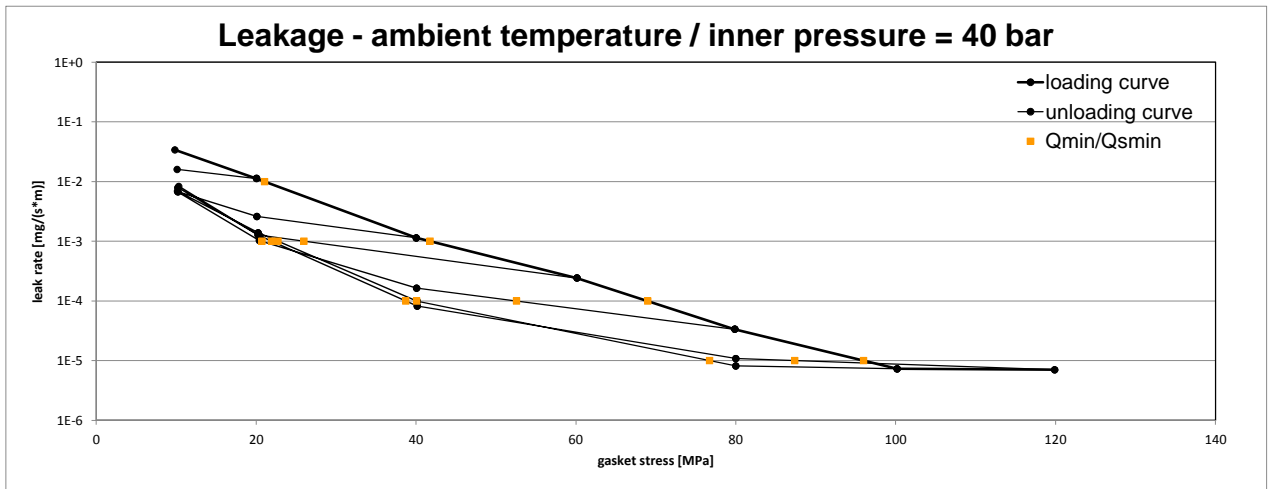


Company Address	Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode
Gasket Type	MS 16 <sup>HP</sup>
Sealing element dimensions [mm]	68 x 56 x 5.1

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 = 40 bar						Q <sub>Smin/L</sub> [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				
10 <sup>0</sup>	10	10	10	10	10	10	10				
10 <sup>-1</sup>	10	10	10	10	10	10	10				
10 <sup>-2</sup>	21		10	10	10	10	10				
10 <sup>-3</sup>	42			26	21	23	22				
10 <sup>-4</sup>	69				53	40	39				
10 <sup>-5</sup>	96					77	87				
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											



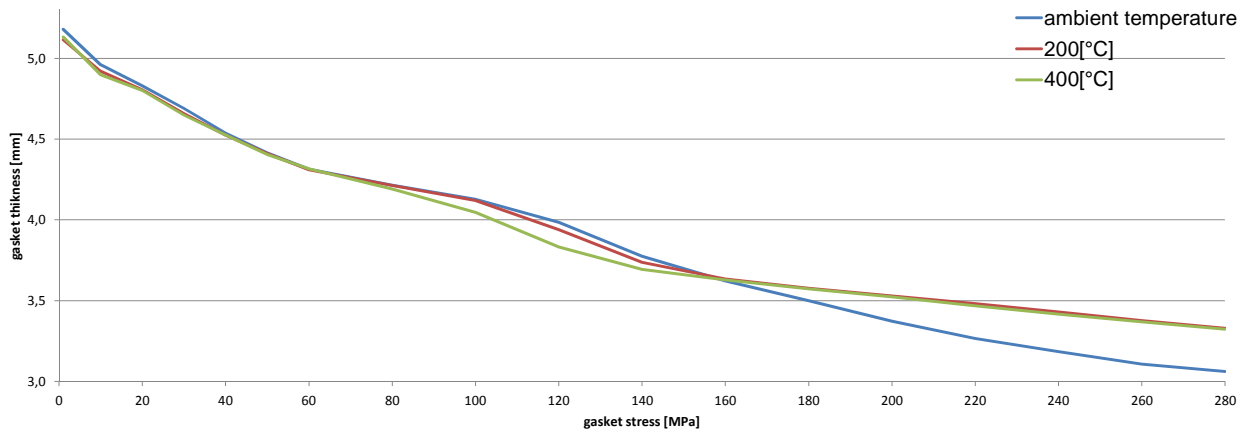
Company Address	Donit Tesnit d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode
Gasket Type	MS 16 <sup>HP</sup>
Sealing element dimensions [mm]	68 x 56 x 5.1

Relaxation ratio $P_{QR}$ for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [200 °C]	temperature 2 [400 °C]		
Stress level 1 [30 MPa]	0,97	0,79	0,69		
Stress level 2 [50 MPa]	0,98	0,86	0,79		
Stress level 3 [120 MPa]	0,98	0,86	0,79		
PQR at $Q_{Smax}$	0,99 at 280 MPa	0,97 at 280 MPa	0,96 at 280 MPa		

Maximal applicable gasket stress $Q_{Smax}$				
$Q_{Smax}$ [MPa] ambient temperature	$Q_{Smax}$ [MPa] – temperature 1 [200 °C]	$Q_{Smax}$ [MPa] – temperature 2 [400 °C]		
280	280	280		

Sekant unloading modulus of the gasket $E_G$ [MPa] and gasket thickness $e_G$ [mm]						
Gasket stress [MPa]	ambient temperature		temperature 1 [200 °C]		temperature 2 [400 °C]	
	$E_G$ [MPa]	$e_G$ [mm]	$E_G$ [MPa]	$e_G$ [mm]	$E_G$ [MPa]	$e_G$ [mm]
1		5,179		5,114		5,133
10	1148	4,959	1551	4,919	1088	4,899
20	2035	4,830	2296	4,804	2047	4,801
30	2916	4,690	2848	4,658	3420	4,648
40	3819	4,537	4449	4,525	4893	4,527
50	4526	4,414	4913	4,410	4965	4,405
60	4518	4,314	5534	4,310	5940	4,316
80	5810	4,214	6941	4,213	6955	4,192
100	6949	4,128	8216	4,120	8701	4,046
120	6612	3,985	7214	3,940	6825	3,832
140	6872	3,775	9484	3,737	9355	3,695
160	8210	3,623	10820	3,634	11770	3,629
180	9443	3,500	10414	3,576	14044	3,573
200	8990	3,373	13058	3,530	17465	3,524
220	11192	3,266	17098	3,482	16142	3,469
240	15185	3,185	16325	3,431	18144	3,417
260	12028	3,108	15138	3,378	19249	3,370
280	15047	3,062	17045	3,329	19982	3,324

### Gasket thickness $e_G$



Note: the content of darkened cells was not determined respectively is unnecessary

Rev - No: 1

Creation date of this sheet:

14.02.2014