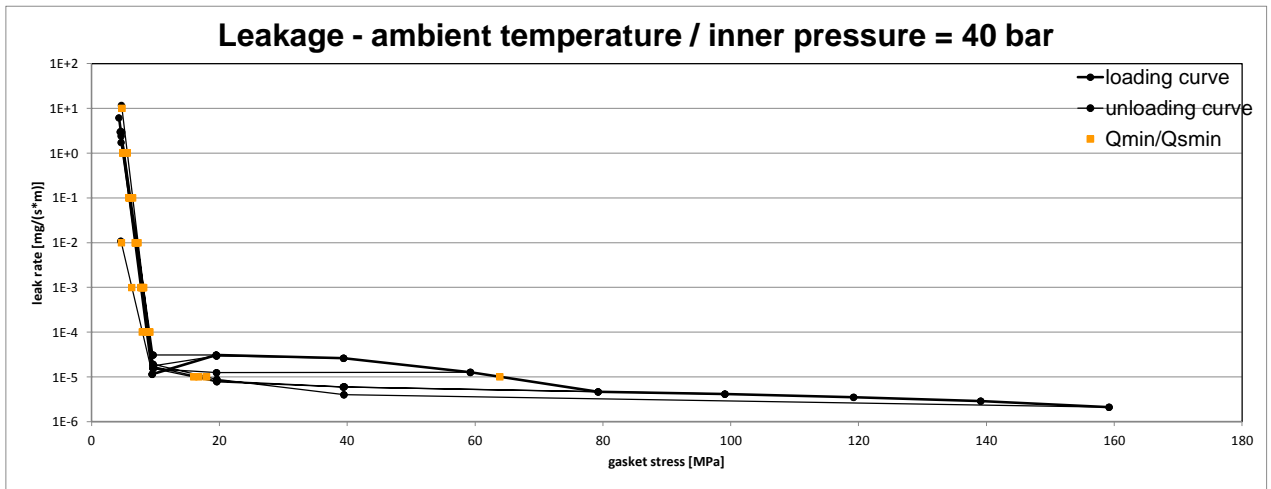


Company Address	ERIKS bv, Toermalijnstraat 5, 1812 RL Alkmaar, Netherlands
Gasket Type	KV PTFE, KV9 PTFE, KV9L PTFE
Sealing element dimensions [mm]	69 x 53 x 4.2

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 = 40 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	4	5	5	6	5	5			5	
10 ⁻¹	6	4	6	6	6	6	6			6	
10 ⁻²	7	5	7	7	7	7	7			7	
10 ⁻³	8	6	8	8	8	8	8			8	
10 ⁻⁴	9	8	9	9	5	9	9			9	
10 ⁻⁵	64					16	17			18	
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											



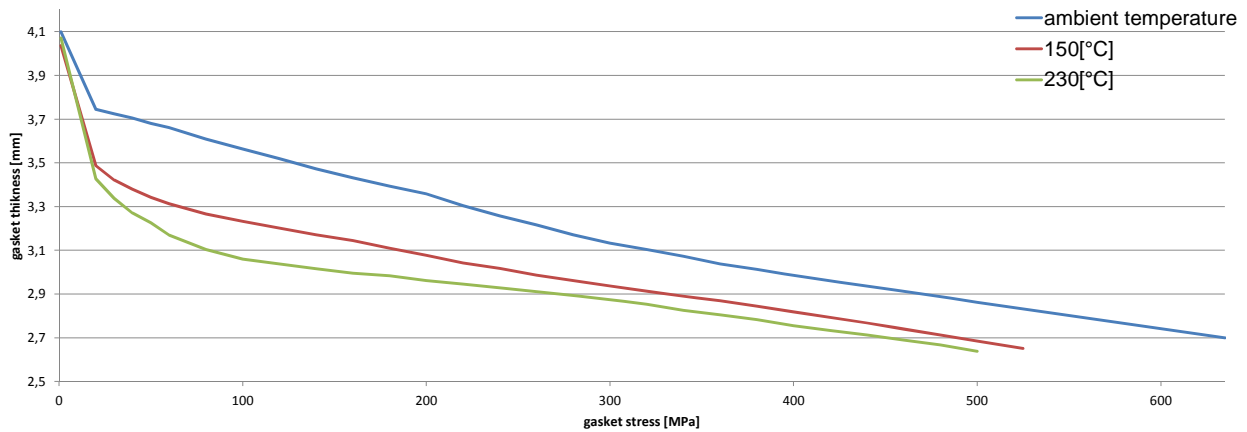
Company Address	ERIKS bv, Toermalijnstraat 5, 1812 RL Alkmaar, Netherlands
Gasket Type	KV PTFE, KV9 PTFE, KV9L PTFE
Sealing element dimensions [mm]	69 x 53 x 4.2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [230 °C]	
Stress level 1 [30 MPa]	0,85	0,34	0,21	
Stress level 2 [100 MPa]	0,78	0,21	0,11	
PQR at Q_{Smax}	1,00 at 635 MPa	0,93 at 525 MPa	0,92 at 500 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [150 °C]	Q_{Smax} [MPa] – temperature 2 [230 °C]	
635	525	500	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [150 °C]		temperature 2 [230 °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		4,20	4,14	4,14		4,16				
1		4,10	4,04	4,04		4,07				
20	1951	3,75	3192	3,49	1796	3,43				
30	3808	3,72	3525	3,42	2953	3,34				
40	4807	3,70	4139	3,38	3267	3,27				
50	4215	3,68	5134	3,34	3850	3,22				
60	5472	3,66	4843	3,31	4682	3,17				
80	4567	3,61	5402	3,27	7623	3,10				
100	6874	3,56	5717	3,23	6112	3,06				
120	8652	3,52	6382	3,20	7955	3,04				
140	8331	3,47	7128	3,17	7243	3,02				
160	9261	3,43	9323	3,14	7479	3,00				
180	9752	3,39	8737	3,11	8800	2,98				
200	10289	3,36	9176	3,08	8502	2,96				
220	9908	3,30	8784	3,04	8650	2,95				
240	10904	3,26	10310	3,02	9125	2,93				
260	11004	3,22	10575	2,99	9585	2,91				
280	11041	3,17	10339	2,96	9874	2,89				
300	10813	3,13	10367	2,94	11371	2,88				
320	12096	3,10	11392	2,91	12412	2,85				
340	12448	3,07	11408	2,89	11796	2,83				
360	11206	3,04	12486	2,87	11453	2,80				
380	11635	3,01	13217	2,84	12790	2,78				
400	11601	2,99	12505	2,82	11892	2,76				
420	12548	2,96	12731	2,79	12231	2,73				
440	12345	2,94	12573	2,77	12971	2,71				
460	13098	2,91	12306	2,74	13349	2,69				
480	12968	2,89	13227	2,71	13631	2,67				
500	12664	2,86	13271	2,69	12952	2,64				
635 / 525	13967	2,70	14157	2,65						

Gasket thickness e_G



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

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