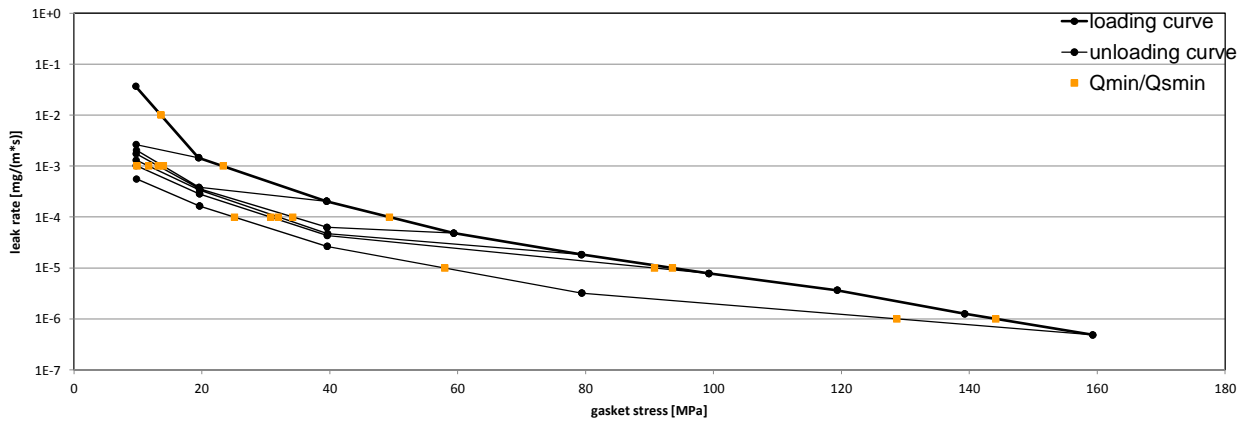


Company Address	Möller Industrietechnik GmbH, Brunnenweg 10, 39444 Hecklingen, Germany
Gasket Type	MMK(Z) (kammprofile gasket with graphit layers)
Sealing element dimensions [mm]	69 x 53 x 4.8

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	23		14	13	12	10			10		
10 ⁻⁴	49			34	32	31			25		
10 ⁻⁵	94					91			58		
10 ⁻⁶	144								129		
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 bar



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

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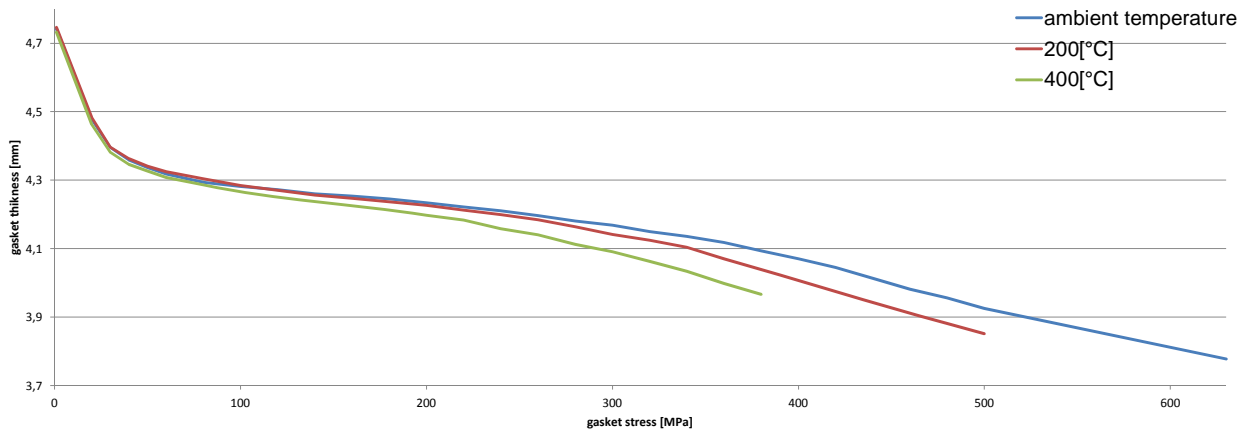
Company Address	Möller Industrietechnik GmbH, Brunnenweg 10, 39444 Hecklingen, Germany
Gasket Type	MMK(Z) (kammprofile gasket with graphit layers)
Sealing element dimensions [mm]	69 x 53 x 4.8

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	0,93	0,86	
Stress level 2 [100 MPa]	1,00	0,98	0,97	
PQR at Q_{Smax}	0,99 at 635 MPa	0,97 at 500 MPa	0,94 at 380 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]	
635	500	380	

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]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		4,78		4,84		4,78				
1		4,74		4,75		4,73				
20	3631	4,48	4645	4,48	2512	4,46				
30	4172	4,40	5919	4,40	2730	4,38				
40	4755	4,36	8265	4,36	6418	4,35				
50	6590	4,34	8662	4,34	5641	4,33				
60	6277	4,32	9828	4,32	3553	4,31				
80	8653	4,29	14377	4,30	4971	4,29				
100	12550	4,28	12292	4,28	6451	4,27				
120	15579	4,27	14632	4,27	5455	4,25				
140	14939	4,26	15405	4,26	6385	4,24				
160	16568	4,25	19105	4,25	7506	4,23				
180	17829	4,24	23583	4,24	8043	4,21				
200	18146	4,23	28529	4,23	12248	4,20				
220	16769	4,22	26828	4,21	15068	4,18				
240	17881	4,21	28672	4,20	9232	4,16				
260	20141	4,20	30292	4,18	9643	4,14				
280	20508	4,18	26251	4,16	11474	4,11				
300	24255	4,17	24856	4,14	11927	4,09				
320	25840	4,15	31620	4,12	11985	4,06				
340	28825	4,14	38047	4,10	11702	4,03				
360	33804	4,12	27603	4,07	10180	4,00				
380	26288	4,09	29706	4,04	11244	3,97				
400	26666	4,07	34211	4,01						
420	28375	4,05	32223	3,97						
440	24859	4,01	38812	3,94						
460	24317	3,98	32337	3,91						
480	26869	3,96	35484	3,88						
500	25899	3,93	38016	3,85						
630	26631	3,78								

Gasket thickness e_G



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