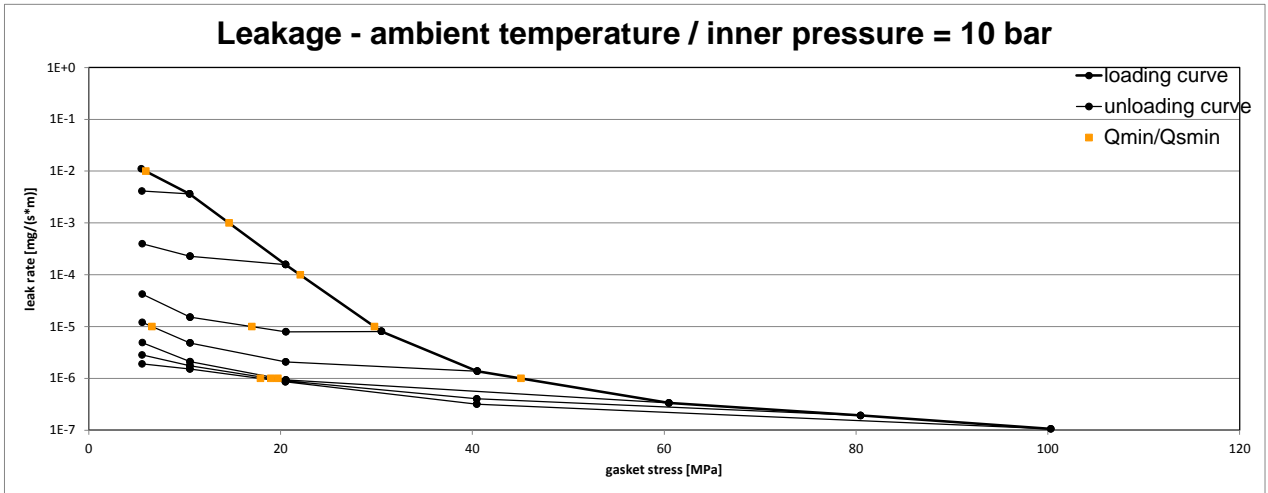
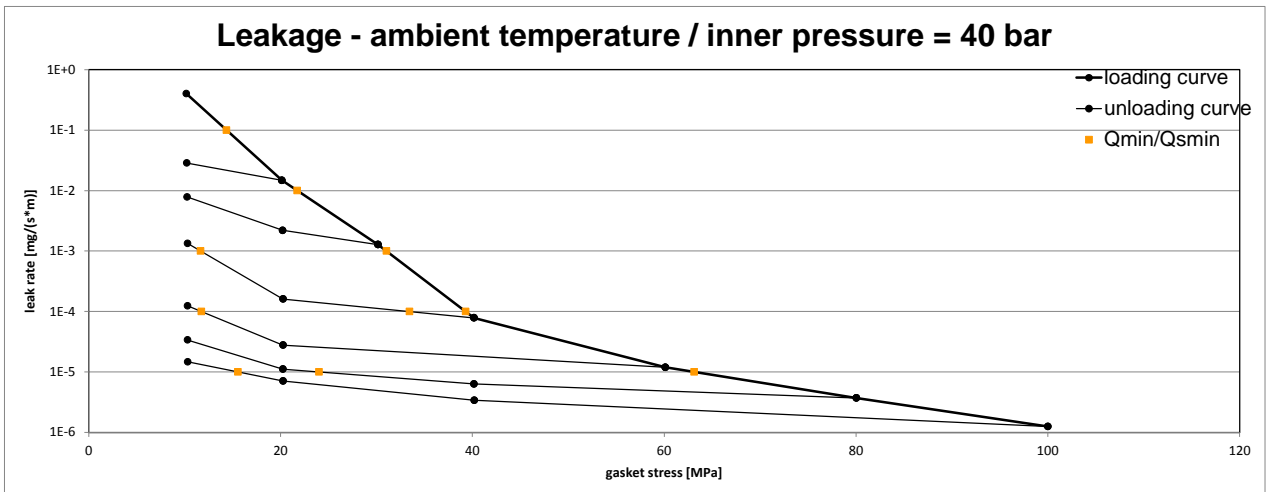


Company Address	Reinz-Dichtungs-GmbH, Reinzstraße 3-7, 89233 Neu-Ulm, Germany
Gasket Type	AFM 34 CO ME
Sealing element dimensions [mm]	92 x 49 x 2

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 = 10 bar							
		Q _{Smin/L} [MPa]							
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	
10 ⁰	5	5	5	5	5	5	5	5	
10 ⁻¹	5	5	5	5	5	5	5	5	
10 ⁻²	6	5	5	5	5	5	5	5	
10 ⁻³	15		5	5	5	5	5	5	
10 ⁻⁴	22			5	5	5	5	5	
10 ⁻⁵	30			17	7	5	5	5	
10 ⁻⁶	45					20	19	18	
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 = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	
10 ⁰	10	10	10	10	10	10	10	
10 ⁻¹	14	10	10	10	10	10	10	
10 ⁻²	22		10	10	10	10	10	
10 ⁻³	31			12	10	10	10	
10 ⁻⁴	39			33	12	10	10	
10 ⁻⁵	63					24	16	
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: 30.04.2013

Company Address		Reinz-Dichtungs-GmbH, Reinzstraße 3-7, 89233 Neu-Ulm, Germany	
Gasket Type		AFM 34 CO ME	
Sealing element dimensions [mm]		92 x 49 x 2	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [150 °C]	temperature 3 [200 °C]	temperature 4 [250 °C]
Stress level 1 [30 MPa]	0,95	0,82	0,79	0,75	0,64
Stress level 2 [50 MPa]	0,96	0,87	0,84	0,80	0,68
Stress level 3 [100 MPa]	0,98	0,87	0,81		
PQR at Q_{Smax}	0,99 at 230 MPa	0,87 at 100 MPa	0,81 at 100 MPa	0,78 at 80 MPa	0,68 at 50 MPa

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [150 °C]	Q_{Smax} [MPa] – temperature 3 [200 °C]	Q_{Smax} [MPa] – temperature 4 [250 °C]
230	100	100	80	50

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 [150 °C]		temperature 3 [200 °C]		temperature 4 [250 °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		2,00		2,00		1,99		2,01		2,01
1		1,96		1,95		1,94		1,96		1,95
20	2480	1,89	3974	1,84	4124	1,82	5197	1,84	6474	1,81
30	2870	1,87	3879	1,83	4445	1,81	3678	1,83	7166	1,79
40	3321	1,85	4209	1,81	4421	1,80	4328	1,81	4153	1,75
50	3992	1,84	4463	1,80	4249	1,78	3917	1,79	4769	1,70
60	4571	1,82	4847	1,78	4798	1,77	4348	1,77		
80	5890	1,81	5299	1,75	4663	1,72	4809	1,70		
100	6976	1,79	5882	1,72	5620	1,66				
120	7806	1,78								
140	8527	1,77								
160	9209	1,76								
180	9622	1,75								
200	10015	1,73								
220	10264	1,72								
230	10240	1,72								

Gasket thickness e_G

