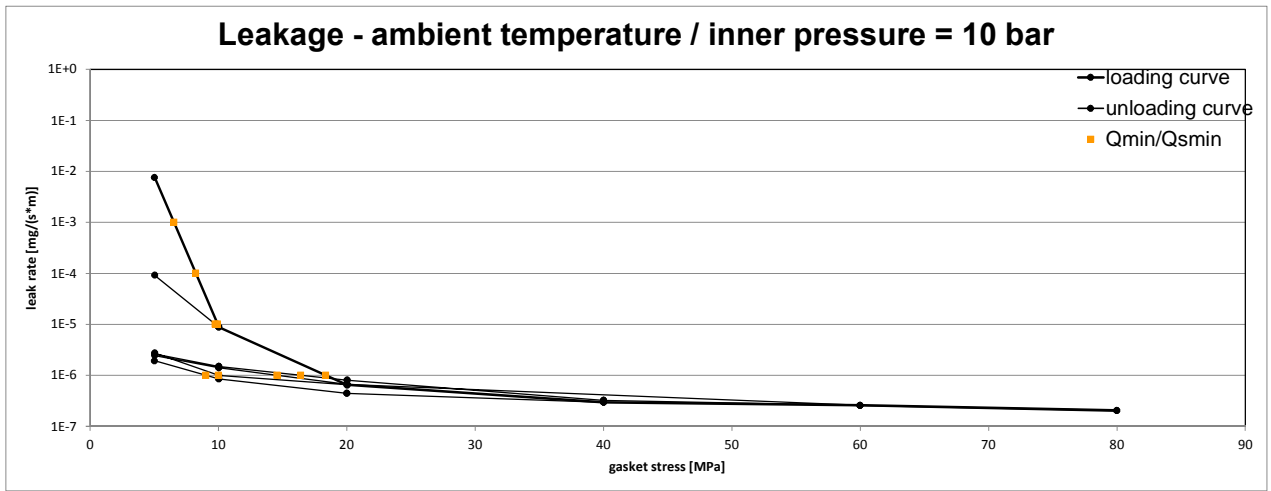
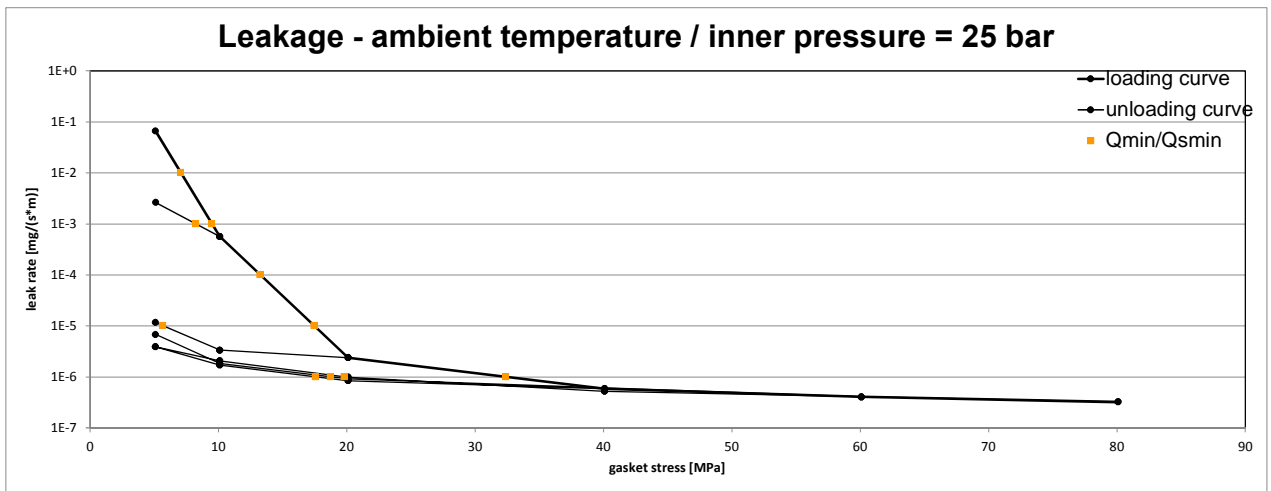


Company Address	Frenzelt-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany	According to DIN EN 13555 2014-07
Gasket Type	novapress 850 / novaform 2300	
Sealing element dimensions [mm]	92 x 49 x 2	

L [mg/(s*m)]	Q _{min/L} [MPa]	Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
		10 ⁻⁰	5	5	5	5	5	5			
10 ⁻¹	5	5	5	5	5	5					
10 ⁻²	5	5	5	5	5	5					
10 ⁻³	7	5	5	5	5	5					
10 ⁻⁴	8	5	5	5	5	5					
10 ⁻⁵	10	10	5	5	5	5					
10 ⁻⁶	18		10	9	15	16					



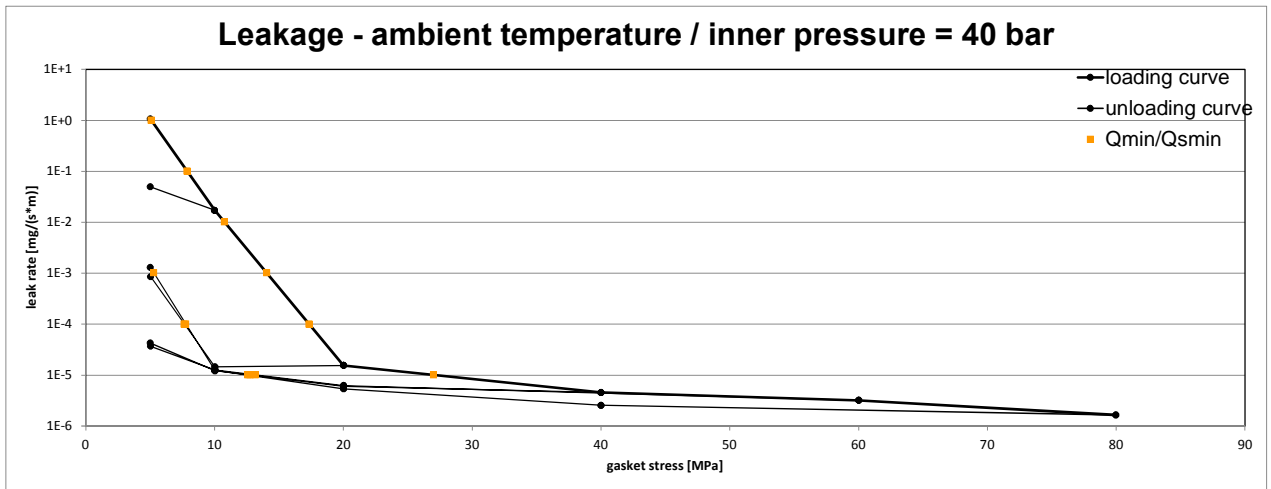
L [mg/(s*m)]	Q _{min/L} [MPa]	Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
		10 ⁻⁰	5	5	5	5	5	5			
10 ⁻¹	5	5	5	5	5	5					
10 ⁻²	7	5	5	5	5	5					
10 ⁻³	9	8	5	5	5	5					
10 ⁻⁴	13		5	5	5	5					
10 ⁻⁵	17		6	5	5	5					
10 ⁻⁶	32			18	19	20					



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2015-11-10

Company Address	Frenzelt-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany	According to DIN EN 13555 2014-07
Gasket Type	novapress 850 / novaform 2300	
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 = 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					
10 ⁰	5	5	5	5	5	5					
10 ⁻¹	8	5	5	5	5	5					
10 ⁻²	11		5	5	5	5					
10 ⁻³	14		5	5	5	5					
10 ⁻⁴	17		8	5	5	8					
10 ⁻⁵	27			13	13	13					

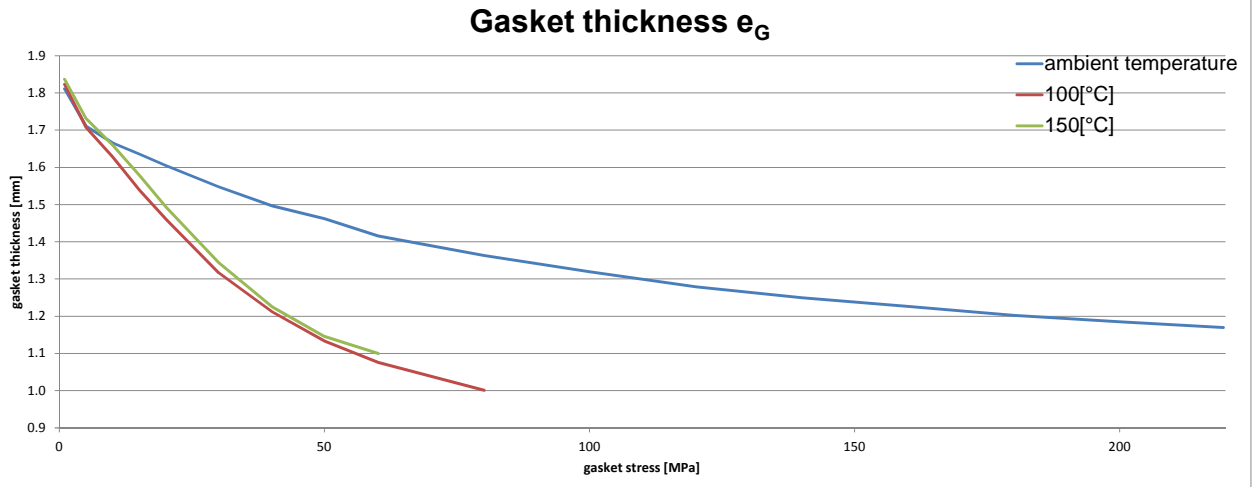


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Company Address	Frenzelt-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany	According to DIN EN 13555 2014-07
Gasket Type	novapress 850 / novaform 2300	
Sealing element dimensions [mm]	92 x 49 x 2	

Relaxation ratio P_{QR} for stiffness $C = 500 \text{ kN/mm}$								
Gasket stress	ambient temperature		temperature 1 [100 °C]		temperature 2 [150 °C]			
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]		
Stress level 1 [10 MPa]	0.91	0.008	0.86	0.011	0.87	0.011		
Stress level 2 [15 MPa]	0.93	0.009	0.85	0.021	0.82	0.024		
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}								
P_{QR} at Q_{Smax}	0.99	0.028	0.71	0.194	0.58	0.214		
Q_{Smax}	220 MPa		80 MPa		60 MPa			

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]		
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	
0		1.853		1.909		1.911	
1		1.811		1.824		1.837	
5	160	1.711	206	1.707	396	1.731	
10	362	1.666	369	1.629	375	1.660	
15	654	1.636	468	1.539	465	1.579	
20	963	1.605	794	1.460	614	1.493	
30	1202	1.548	1047	1.316	921	1.345	
40	1267	1.496	1435	1.212	1128	1.225	
50	2173	1.462	1676	1.133	1712	1.145	
60	1480	1.415	2210	1.076	1727	1.100	
80	2607	1.363	2919	1.001			
100	2592	1.320					
120	2628	1.279					
140	2789	1.250					
160	3375	1.227					
180	2986	1.202					
200	3198	1.185					
220	3584	1.170					



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