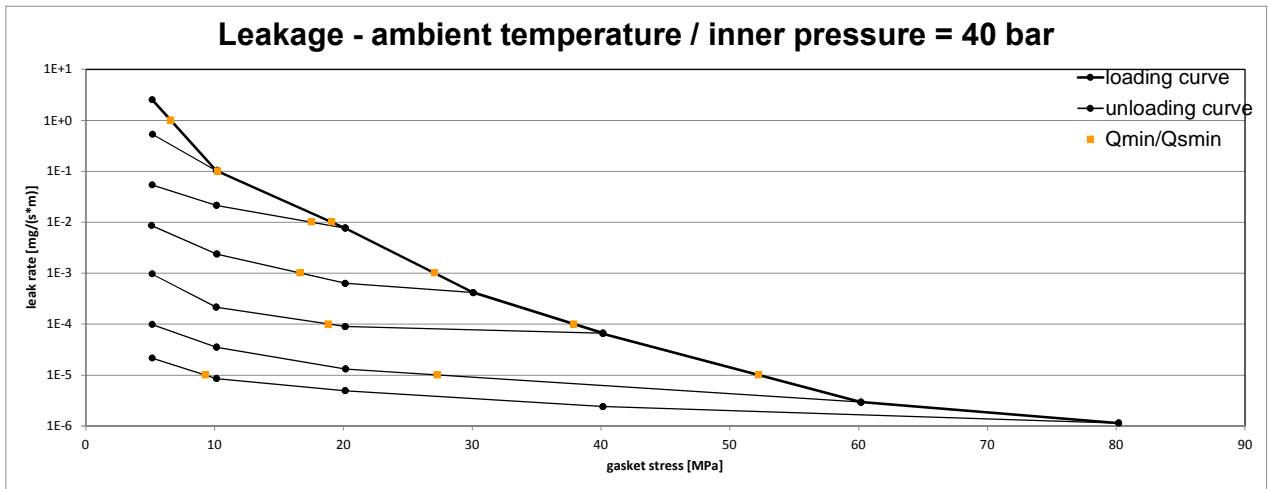


Company Address	Frenzelit Werke GmbH	According to DIN EN 13555 2014-07
Gasket Type	novapress® 880	
Sealing element dimensions [mm]	92 x 49 x 2	

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 = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa		
10 ⁰	7	5	5	5	5	5	5		
10 ⁻¹	10		5	5	5	5	5		
10 ⁻²	19		18	5	5	5	5		
10 ⁻³	27			17	5	5	5		
10 ⁻⁴	38				19	5	5		
10 ⁻⁵	52					27	9		

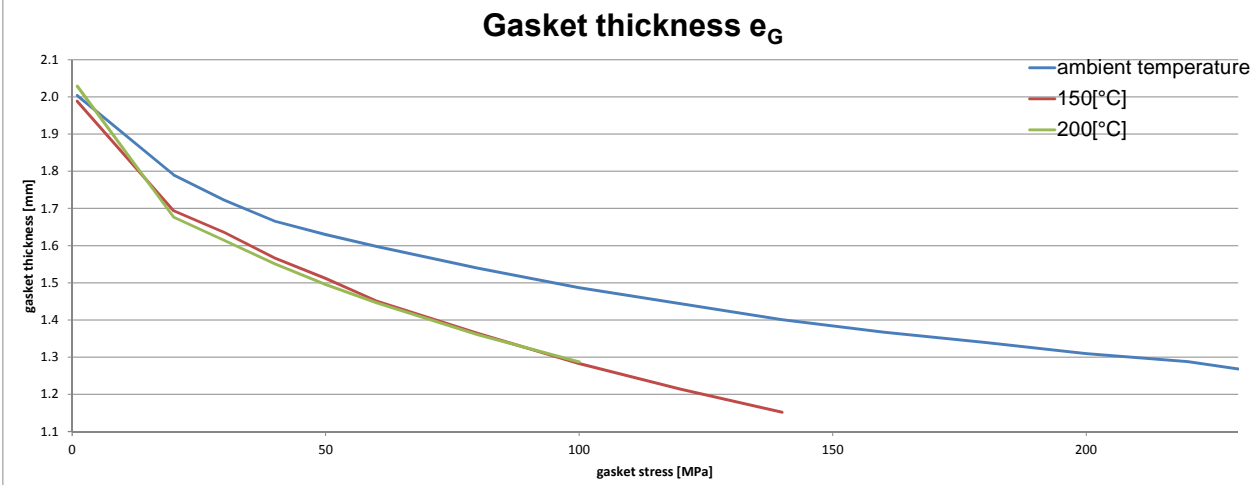


Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2016-08-10

Company Address	Frenzelit Werke GmbH	According to DIN EN 13555 2014-07
Gasket Type	novapress® 880	
Sealing element dimensions [mm]	92 x 49 x 2	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm						
Gasket stress	ambient temperature		temperature 1 [150 °C]		temperature 2 [200 °C]	
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
Stress level 1 [20 MPa]	0.94	0.011	0.77	0.039	0.65	0.060
Stress level 2 [50 MPa]	0.96	0.019	0.83	0.073	0.78	0.094
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.99	0.029	0.80	0.235	0.73	0.227
Q_{Smax}	230 MPa		140 MPa		100 MPa	

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 [200 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		2.008		2.007		2.050
1		2.004		1.989		2.029
20	527	1.791	884	1.694	870	1.677
30	802	1.723	1027	1.636	831	1.614
40	1102	1.666	1348	1.567	1297	1.552
50	1725	1.630	1610	1.512	1542	1.495
60	2231	1.598	1975	1.452	1646	1.446
80	2574	1.539	2096	1.364	2552	1.360
100	4092	1.486	2317	1.283	2354	1.288
120	4786	1.444	3859	1.214		
140	4294	1.401	3499	1.152		
160	5180	1.367				
180	5541	1.339				
200	5226	1.309				
220	5373	1.288				
230	6246	1.268				



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2016-08-10