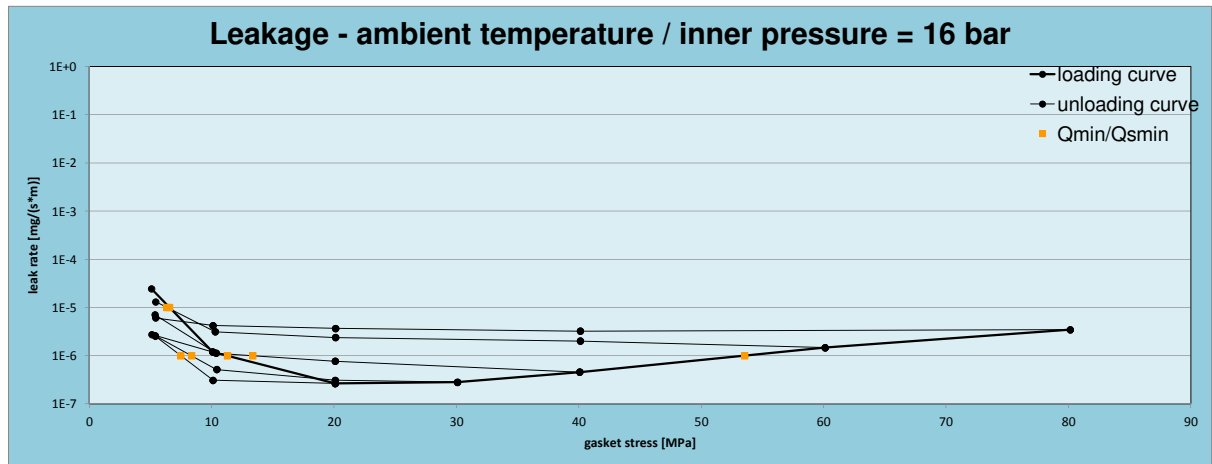
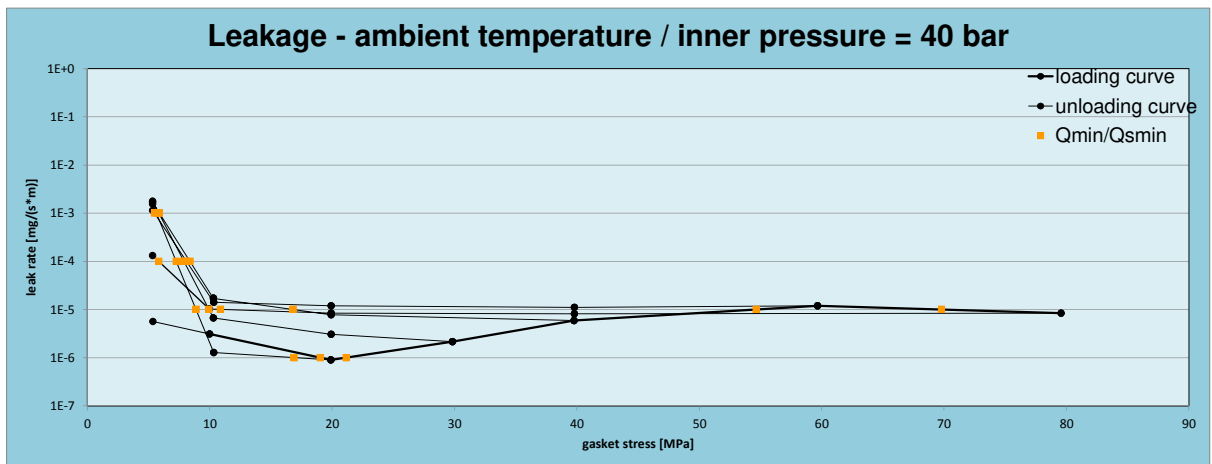


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	IDT Elastik-Dichtung WS 7110/3.7035	
Sealing element dimensions [mm]	92x49x3.5	

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 = 16 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	5	5	5	5	5	5						
10 ⁻¹	5	5	5	5	5	5						
10 ⁻²	5	5	5	5	5	5						
10 ⁻³	5	5	5	5	5	5						
10 ⁻⁴	5	5	5	5	5	5						
10 ⁻⁵	7	5	5	5	5	6						
10 ⁻⁶	11		7	8	13							
10 ⁻⁷												
10 ⁻⁸												

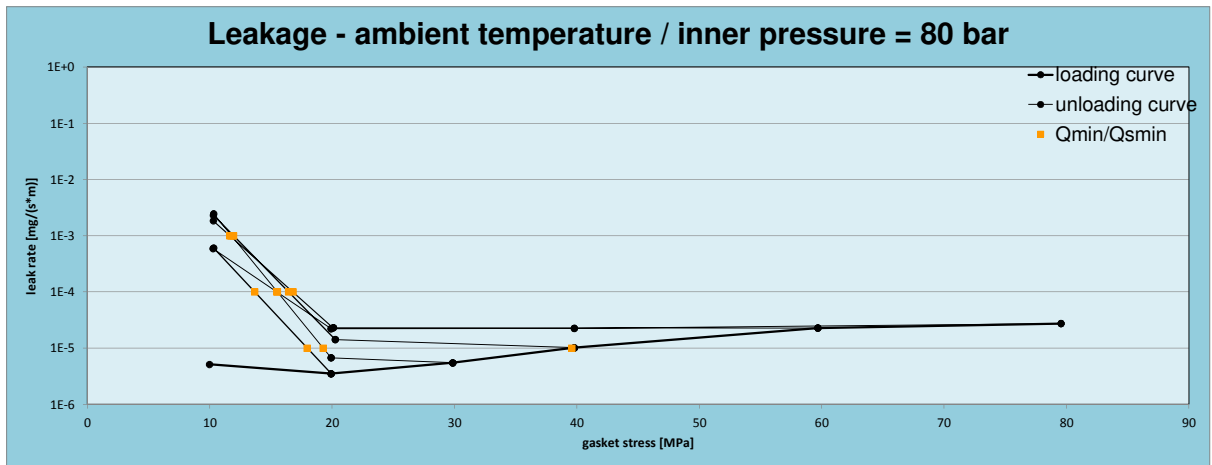


L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar										
		Q _{Smin/L} [MPa]										
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa						
10 ⁻⁰	10	5	5	5	5	5						
10 ⁻¹	10	5	5	5	5	5						
10 ⁻²	10	5	5	5	5	5						
10 ⁻³	10	6	6	6	5	5						
10 ⁻⁴	10	7	8	8	8	6						
10 ⁻⁵	55	9	10	17		11						
10 ⁻⁶	19	17										
10 ⁻⁷												
10 ⁻⁸												



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Gasket Type	IDT Elastik-Dichtung WS 7110/3.7035	
Sealing element dimensions [mm]	92x49x3.5	

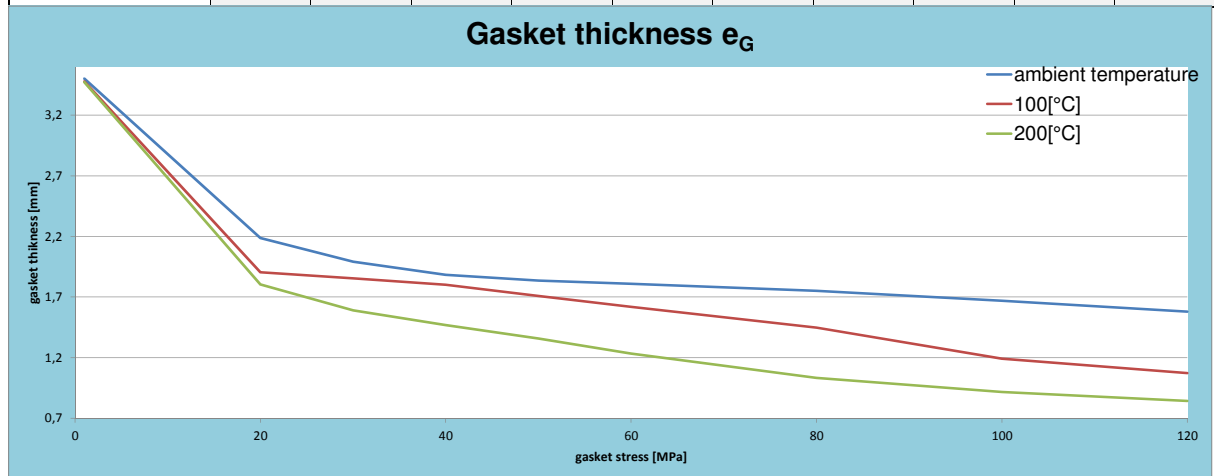
		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 80 bar										
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [MPa]										
		$Q_A=20$ MPa	$Q_A=30$ MPa	$Q_A=40$ MPa	$Q_A=60$ MPa	$Q_A=80$ MPa						
10^{-0}	10	10	10	10	10	10						
10^{-1}	10	10	10	10	10	10						
10^{-2}	10	10	10	10	10	10						
10^{-3}	10	10	12	12	12	10						
10^{-4}	10	14	16	16	17	15						
10^{-5}	40	18	19									
10^{-6}												
10^{-7}												
10^{-8}												



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Sealing element dimensions [mm]	92x49x3.5	

Relaxation ratio P_{OR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		temperature 1 [100 °C]		temperature 2 [200 °C]		P_{OR}	Δe_{Gc} [mm]	P_{OR}	Δe_{Gc} [mm]
	P_{OR}	Δe_{Gc} [mm]	P_{OR}	Δe_{Gc} [mm]	P_{OR}	Δe_{Gc} [mm]				
Stress level 1 [10 MPa]					0.37	0.059				
Stress level 2 [20 MPa]			0.58	0.074	0.37	0.112				
Stress level 3 [30 MPa]	0.87	0.036	0.68	0.084						
Stress level 4 [40 MPa]										
Stress level 5 [60 MPa]	0.96	0.026								
P _{OR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{OR} at Q_{Smax}	0.93	0.059	0.80	0.069	0.59	0.107				
Q_{Smax}	90 MPa		40 MPa		30 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 [200 °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		3.590		3.595		3.575				
1		3.500		3.478		3.473				
20	442	2.185	463	1.905	684	1.804				
30	712	1.990	896	1.855	1034	1.590				
40	1151	1.883	1600	1.802						
50	1644	1.835								
60	2234	1.810								
80	2425	1.751								
100	3338	1.671								
120										
140										
160										
180										
200										
220										
240										
260										
280										
300										
320										
340										
360										
380										
400										
420										
440										
460										
480										
500										
940										



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