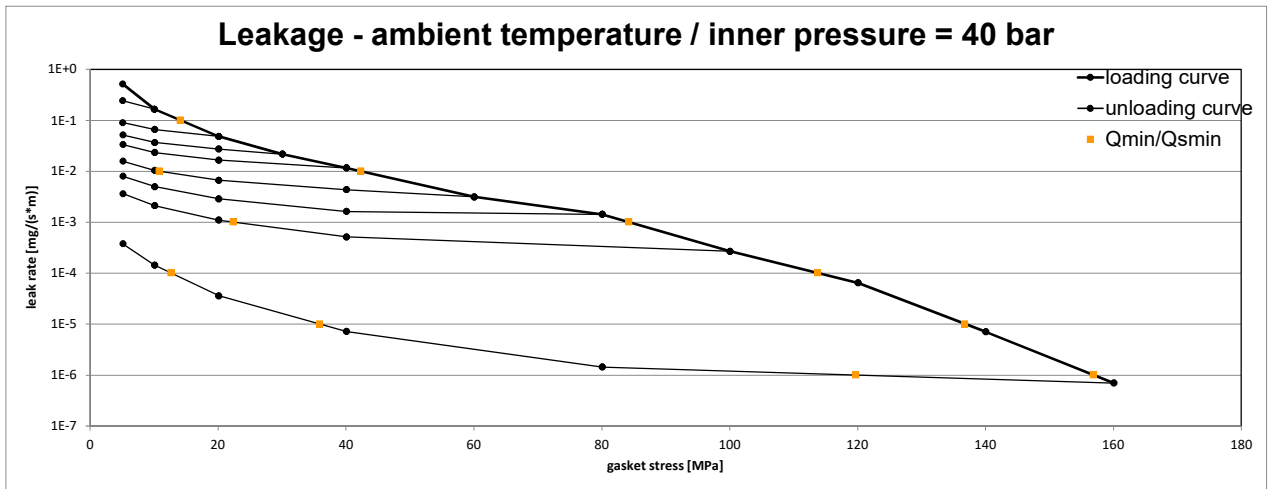


Company Address	FMI S.p.A., Via Consolare 41/43, 25030 Zocco di Erbusco, Italy	According to DIN EN 13555 2014-07
Gasket Type	FLEXIGRAF® FGS3	
Sealing element dimensions [mm]	92 x 49 x 2	

L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 40 bar									
		Q _{SminL} [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	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	14		5	5	5	5	5	5			5
10 ⁻²	42					11	5	5			5
10 ⁻³	84							22			5
10 ⁻⁴	114										13
10 ⁻⁵	137										36
10 ⁻⁶	157										120
10 ⁻⁷											
10 ⁻⁸											



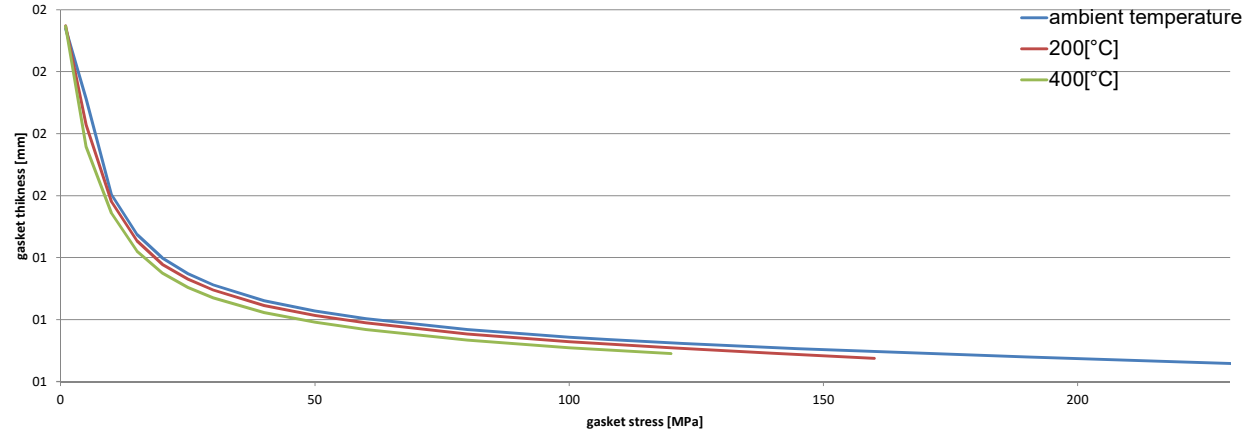
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2017-03-20

Company Address	FMI S.p.A., Via Consolare 41/43, 25030 Zocco di Erbusco, Italy	According to DIN EN 13555 2014-07
Gasket Type	FLEXIGRAF® FGS3	
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 [200 °C]		temperature 2 [400 °C]					
	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]
Stress level 1 [30 MPa]	0.99	0.004	0.87	0.033	0.82	0.047				
Stress level 2 [50 MPa]	0.99	0.004	0.93	0.031	0.88	0.050				
P_{QR} and Δe_{GC} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.99	0.019	0.87	0.175	0.96	0.040				
Q_{Smax}	230 MPa		160 MPa		120 MPa					

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		2.107		2.086		2.117				
1		2.039		2.049		2.047				
5	102	1.813	121	1.729	124	1.658				
10	206	1.503	219	1.481	227	1.444				
15	320	1.374	324	1.353	345	1.321				
20	443	1.299	454	1.279	455	1.250				
25	571	1.249	592	1.230	592	1.204				
30	707	1.212	733	1.195	712	1.170				
40	992	1.161	1005	1.145	971	1.122				
50	1327	1.127	1299	1.113	1327	1.092				
60	1654	1.103	1612	1.089	1557	1.068				
80	2385	1.068	2266	1.054	2263	1.034				
100	3099	1.043	2944	1.028	2883	1.009				
120	3759	1.024	3419	1.009	3301	0.990				
140	4583	1.009	4122	0.991						
160	5373	0.997	4592	0.975						
180	5898	0.985								
200	6524	0.974								
220	6871	0.964								
230	7038	0.958								

Gasket thickness e_G



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