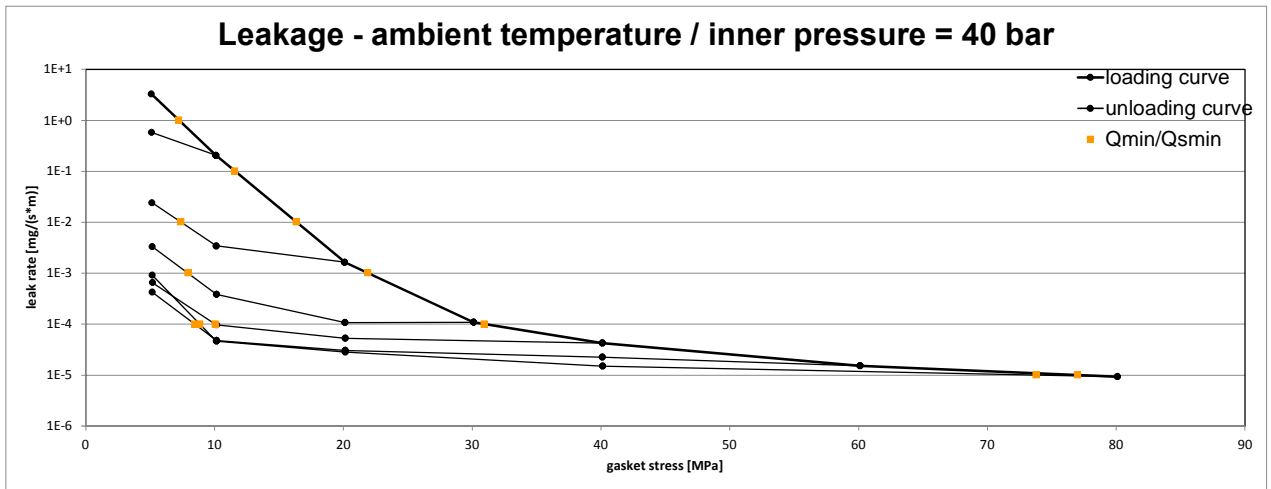


Company Address	FMI S.p.A., Via Consolare 41/43, 25030 Zocco di Erbusco, Italy	According to DIN EN 13555 2014-07
Gasket Type	SICHEM S11	
Sealing element dimensions [mm]	92 x 49 x 2	

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	12		5	5	5	5	5				
10 ⁻²	16		7	5	5	5	5				
10 ⁻³	22			8	5	5	5				
10 ⁻⁴	31				10	8	9				
10 ⁻⁵	77						74				
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

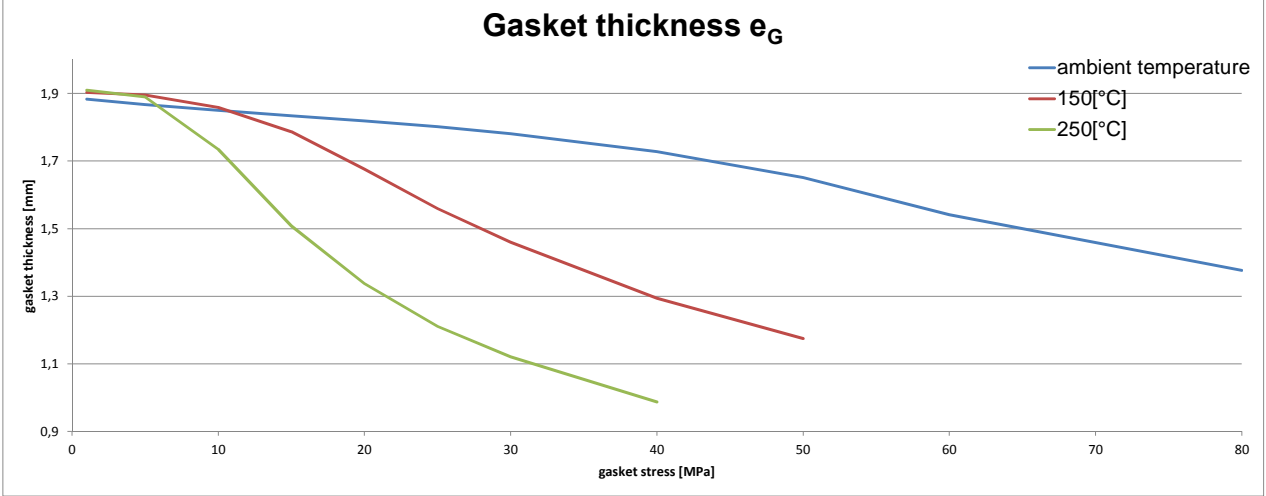


Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2016-03-15

Company Address	FMI S.p.A., Via Consolare 41/43, 25030 Zocco di Erbusco, Italy	According to DIN EN 13555 2014-07
Gasket Type	SICHEM S11	
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 [250 °C]	
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
Stress level 1 [10 MPa]	0.97	0.004	0.73	0.024	0.50	0.044
Stress level 2 [30 MPa]	0.92	0.020	0.53	0.120	0.32	0.172
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.91	0.059	0.53	0.197	0.32	0.229
Q_{Smax}	80 MPa		50 MPa		40 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 [250 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		1.873		1.913		1.902
1		1.884		1.903		1.910
5	1961	1.867	1057	1.895	432	1.890
10	1792	1.850	762	1.859	456	1.734
15	1693	1.834	758	1.786	550	1.508
20	1963	1.819	874	1.676	675	1.338
25	2084	1.802	1005	1.559	764	1.211
30	2130	1.781	1145	1.460	900	1.121
40	2424	1.728	1467	1.295	1016	0.988
50	2954	1.651	1625	1.175		
60	3669	1.541				
80	4537	1.376				



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2016-03-15