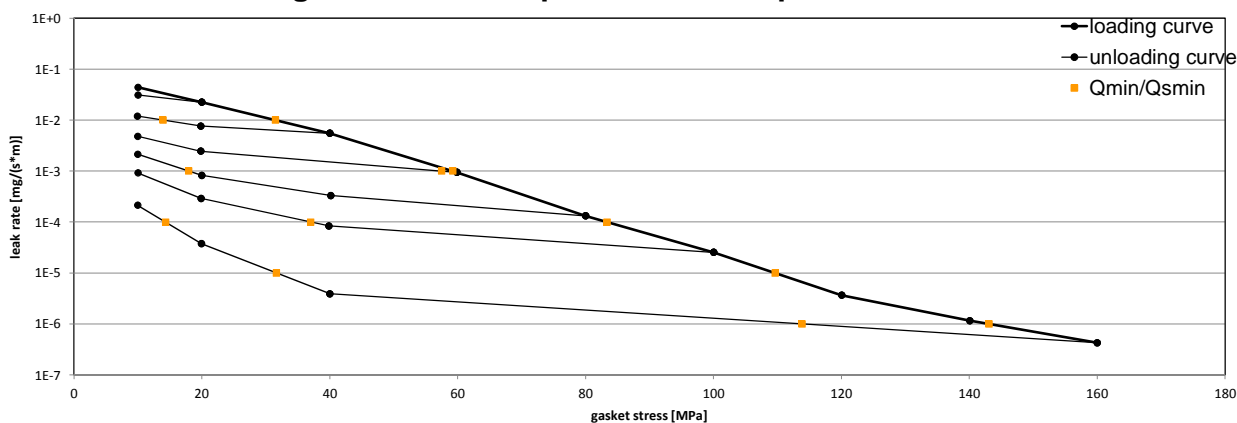


Company Address	C.S.U.T. SPETECH Sp. z o.o., ul. Szyprow 17, 43-382 Bielsko-Biala, Poland
Gasket Type	SPETOMET® MPL 121 FGC
Sealing element dimensions [mm]	92 x 51 x 2,5

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 = 40 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 20 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	10	10	10	10	10	10			10		
10 ⁻¹	10	10	10	10	10	10			10		
10 ⁻²	31		14	10	10	10			10		
10 ⁻³	59			57	18	10			10		
10 ⁻⁴	83					37			14		
10 ⁻⁵	110								32		
10 ⁻⁶	143								114		
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 bar



Note: the content of darkened cells was not determined respectively is unnecessary

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Creation date of this sheet:

06.11.2012

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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

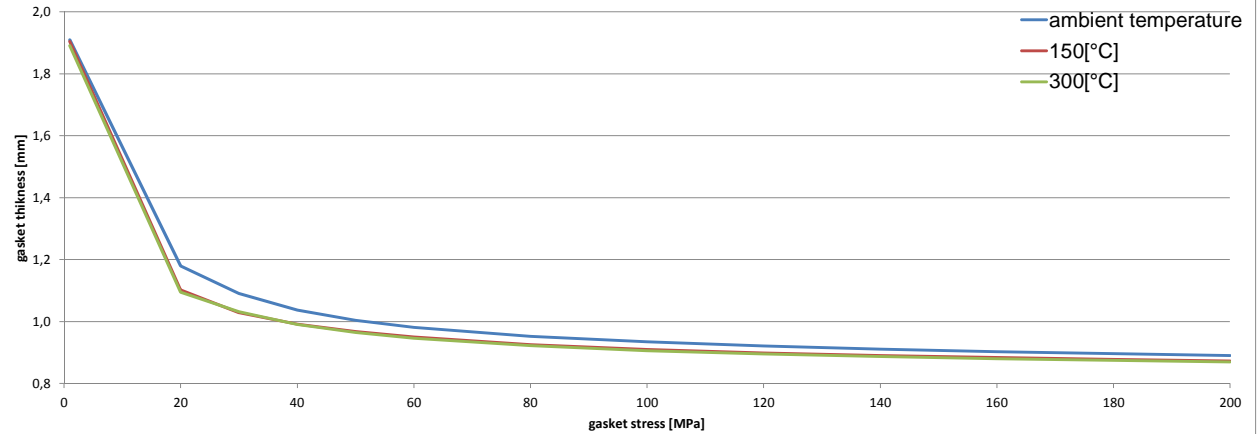
Company Address	C.S.U.T. SPETECH Sp. z o.o., ul. Szypraw 17, 43-382 Bielsko-Biala, Poland
Gasket Type	SPETOMET® MPL 121 FGC
Sealing element dimensions [mm]	92 x 51 x 2,5

Relaxation ratio P_{QR} for stiffness $C = 500 \text{ kN/mm}$					
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [300 °C]		
Stress level 1 [30 MPa]	0,97	0,82	0,77		
Stress level 2 [50 MPa]	0,98	0,91	0,86		
PQR at Q_{Smax}	1,00 at 200 MPa	0,99 at 200 MPa	0,98 at 200 MPa		

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [150 °C]	Q_{Smax} [MPa] – temperature 2 [300 °C]	
200	200	200	

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 [300 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0						
1		1,910		1,904		1,891
20	605	1,180	648	1,103	637	1,095
30	1096	1,091	1117	1,029	1046	1,032
40	1632	1,037	1667	0,992	1455	0,991
50	2205	1,004	2217	0,968	1970	0,965
60	2796	0,981	2842	0,950	2495	0,946
80	4069	0,953	4116	0,926	3690	0,922
100	5476	0,934	5634	0,910	5024	0,906
120	6842	0,921	7010	0,899	6280	0,895
140	8553	0,911	8610	0,890	7996	0,887
160	9984	0,903	10387	0,884	9380	0,880
180	12140	0,896	12271	0,878	11165	0,875
200	14336	0,891	14684	0,873	12347	0,870

Gasket thickness e_G



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 06.11.2012