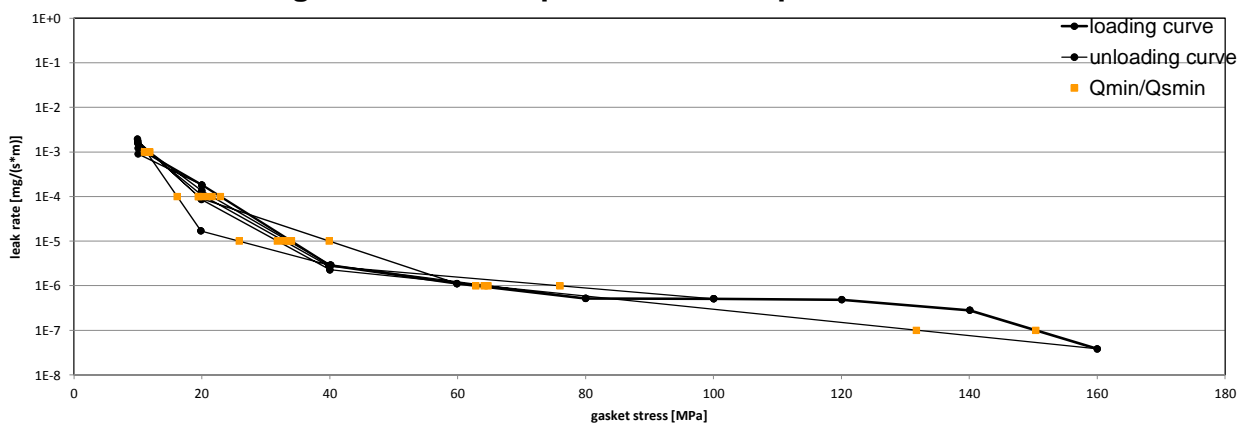


Company Address	C.S.U.T. SPETECH Sp. z o.o., ul. Szyprow 17, 43-382 Bielsko-Biala, Poland
Gasket Type	SPETOMET® MWK 50 FG-C
Sealing element dimensions [mm]	69 x 53 x 3,8

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 = 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	10	10	10	10	10	10			10	
10 ⁻³	11	10	11	12	12	12			12	
10 ⁻⁴	23		16	19	22	20			19	
10 ⁻⁵	34		26	40	34	33			32	
10 ⁻⁶	63				65	76			64	
10 ⁻⁷	150								132	
10 ⁻⁸										

Leakage - ambient temperature / inner pressure = 40 bar



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

Rev - No: 1

Creation date of this sheet:

24.05.2012

page 1 of 2



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

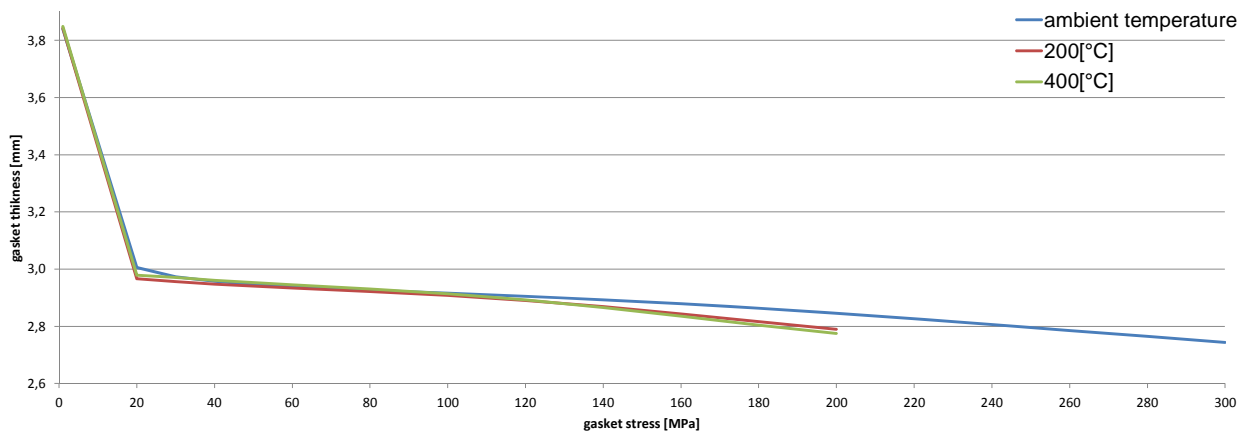
Company Address	C.S.U.T. SPETECH Sp. z o.o., ul. Szyprow 17, 43-382 Bielsko-Biala, Poland
Gasket Type	SPETOMET® MWK 50 FG-C
Sealing element dimensions [mm]	69 x 53 x 3,8

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [200 °C]	temperature 2 [400 °C]		
Stress level 1 [50 MPa]	0,98	0,86	0,84		
Stress level 2 [150 MPa]	0,99	0,93	0,89		
Stress level 3 [200 MPa]	0,99				
PQR at Q_{Smax}	0,99 at 300 MPa	0,93 at 200 MPa	0,90 at 200 MPa		

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [200 °C]	Q_{Smax} [MPa] – temperature 2 [400 °C]	
300	200	200	

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]
0						
1		3,840		3,843		3,849
20	4143	3,006	4576	2,967	3734	2,979
30	7888	2,973	9878	2,957	9186	2,971
40	11557	2,957	14601	2,947	12322	2,961
50	13882	2,947	17877	2,940	15654	2,953
60	16061	2,939	19126	2,934	18237	2,945
80	20794	2,927	21702	2,922	23224	2,931
100	22860	2,916	24645	2,908	24506	2,914
120	24821	2,905	25921	2,891	26086	2,893
140	25893	2,893	26480	2,869	26983	2,866
160	26762	2,879	27489	2,844	27237	2,836
180	27323	2,863	26550	2,816	27372	2,805
200	27684	2,846	27398	2,789	27451	2,775
220	27934	2,827				
240	28072	2,806				
260	28127	2,786				
280	28288	2,765				
300	27791	2,744				

Gasket thickness e_G



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

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