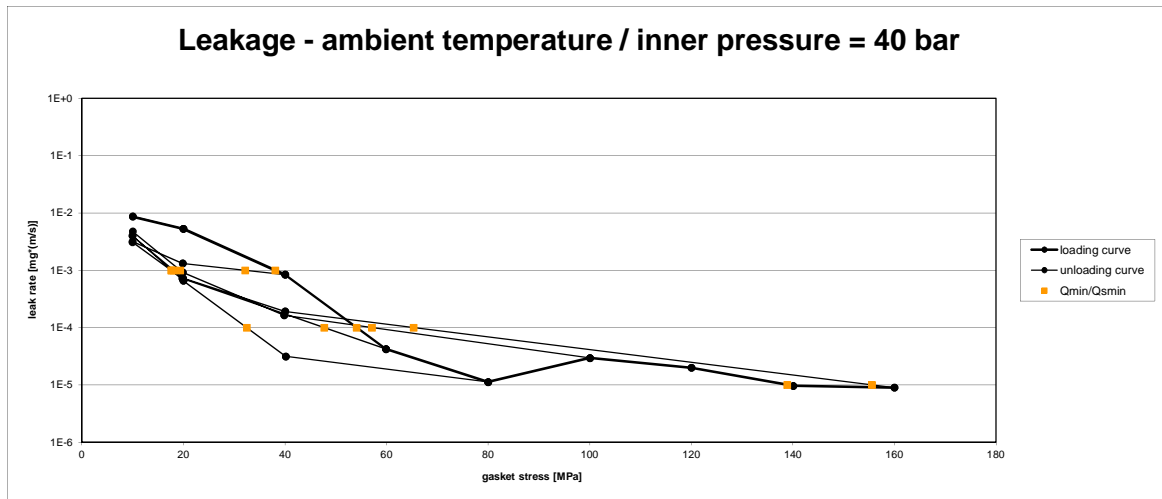


Company Address	C.S.U.T SPETECH. Sp. z o.o. ul. Szyprow 17, 43-382 Bielsko-Biala, Poland
Gasket Type	Spetospir SWZ 316L/316L/FG-C/AISA (Spiralwound with graphite)
Sealing element dimensions [mm]	72 x 56 x 4.8

		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for $p = 40$ bar								
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	38		32	18	18	19			18	
10^{-4}	54			48	32	57			65	
10^{-5}	139								156	
10^{-6}										
10^{-7}										
10^{-8}										



		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for $p = 40$ bar								
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [MPa]								
10^{-0}										
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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	0,92	0,87	
Stress level 2 [150 MPa]	0,97	0,91	0,86	
PQR at Q_{Smax}	0,98 at 200 MPa	0,91 at 200 MPa	0,87 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]	Q_{Smax} [MPa] – temperature 3	Q_{Smax} [MPa] – temperature 4
200	200	200		

Sekant unloading modulus of the gasket E_G [MPa]				
Gasket stress [MPa]	ambient temperature	temperature 1 [200 °C]	temperature 2 [400 °C]	
20	1628	1792	1908	
30	2370	2884	2926	
40	3424	3936	3961	
50	4445	5142	5161	
60	5186	6052	6045	
80	5737	7142	7398	
100	5929	7467	7739	
120	6057	7809	8383	
140	6318	8199	9147	
160	6891	8701	9765	
180	7650	9492	10617	
200	8502	10496	11861	
220				
240				
260				
280				
300				
320				
340				
360				
380				
400				
420				
440				
460				
480				
500				
835				