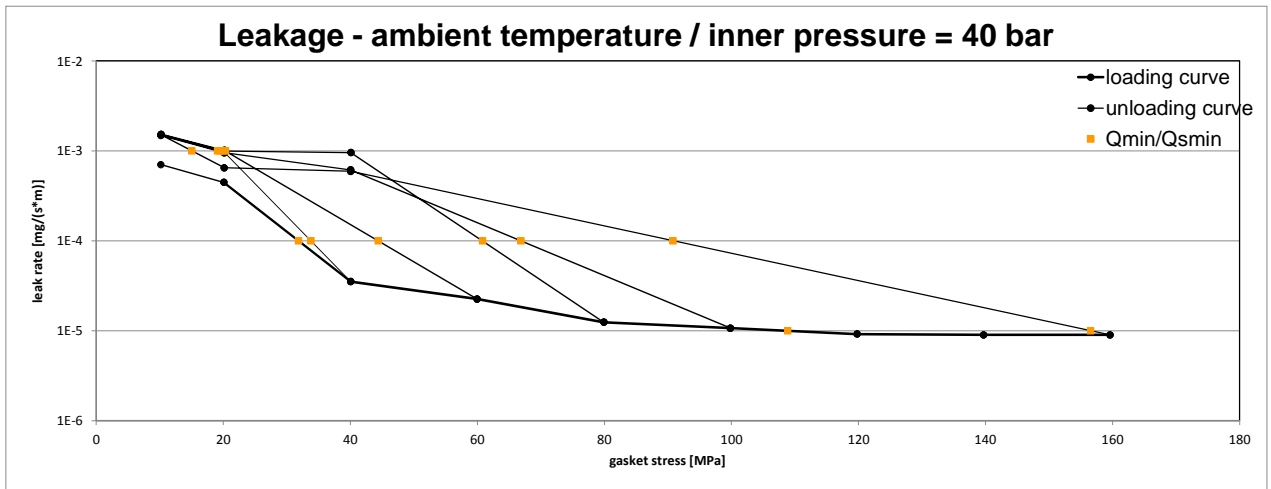


Company Address	Triangle Fluid Controls Ltd, 269 University Avenue, Belleville, Ontario, Canada
Gasket Type	D9000 with Glass filler
Sealing element dimensions [mm]	90 x 50 x 2

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 = 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 ⁻³	20	20	20	20	20			20			
10 ⁻¹	20	20	20	20	20			20			
10 ⁻²	20	20	20	20	20			20			
10 ⁻³	20	19	20	20	19			15			
10 ⁻⁴	32	34	44	61	67			91			
10 ⁻⁵	109							157			
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											



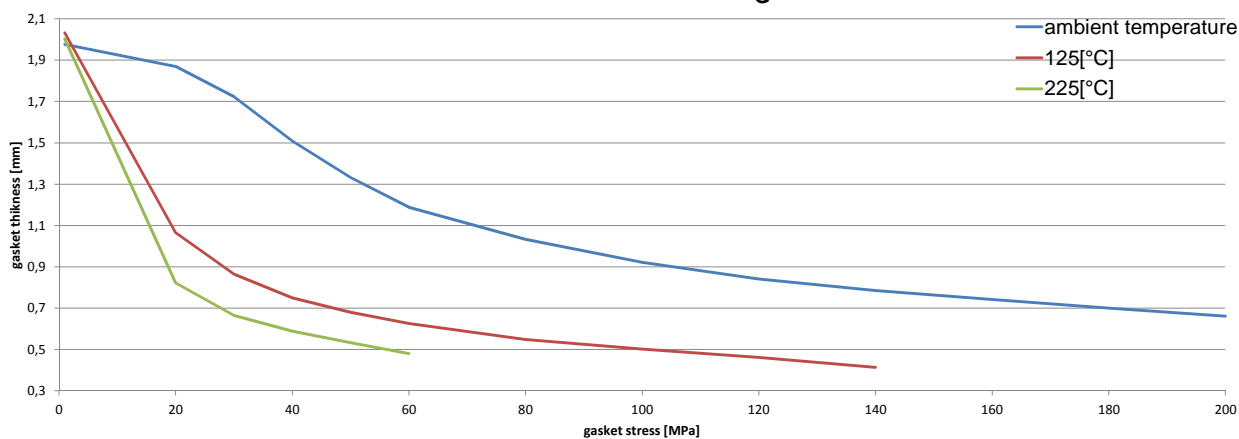
Company Address	Triangle Fluid Controls Ltd, 269 University Avenue, Belleville, Ontario, Canada
Gasket Type	D9000 with Glass filler
Sealing element dimensions [mm]	90 x 50 x 2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [125 °C]	temperature 2 [225 °C]	
Stress level 1 [20 MPa]	0,82	0,38	0,26	
Stress level 2 [40 MPa]			0,23	
Stress level 3 [80 MPa]		0,50		
Stress level 4 [120 MPa]	0,85			
PQR at Q_{Smax}	0,81 at 200 MPa	0,67 at 140 MPa	0,32 at 60 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [125 °C]	Q_{Smax} [MPa] – temperature 2 [225 °C]	
200	140	60	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [125 °C]		temperature 2 [225 °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										
1		1,98		2,03		2,00				
20	1712	1,87	559	1,07	684	0,82				
30	2094	1,72	1052	0,86	780	0,66				
40	2369	1,51	846	0,75	682	0,59				
50	3524	1,33	1366	0,68	848	0,53				
60	3804	1,19	2172	0,63	1427	0,48				
80	4715	1,03	1680	0,55						
100	4290	0,92	1553	0,50						
120	2810	0,84	2310	0,46						
140	3623	0,78	4105	0,41						
160	3448	0,74								
180	2766	0,70								
200	2628	0,66								

Gasket thickness e_G



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

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