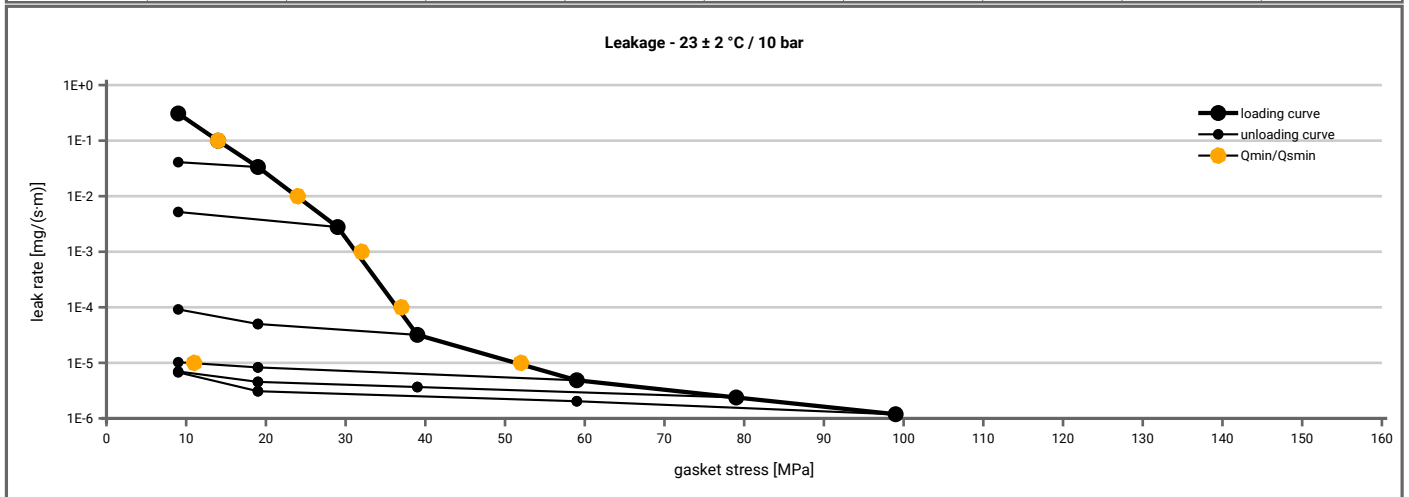
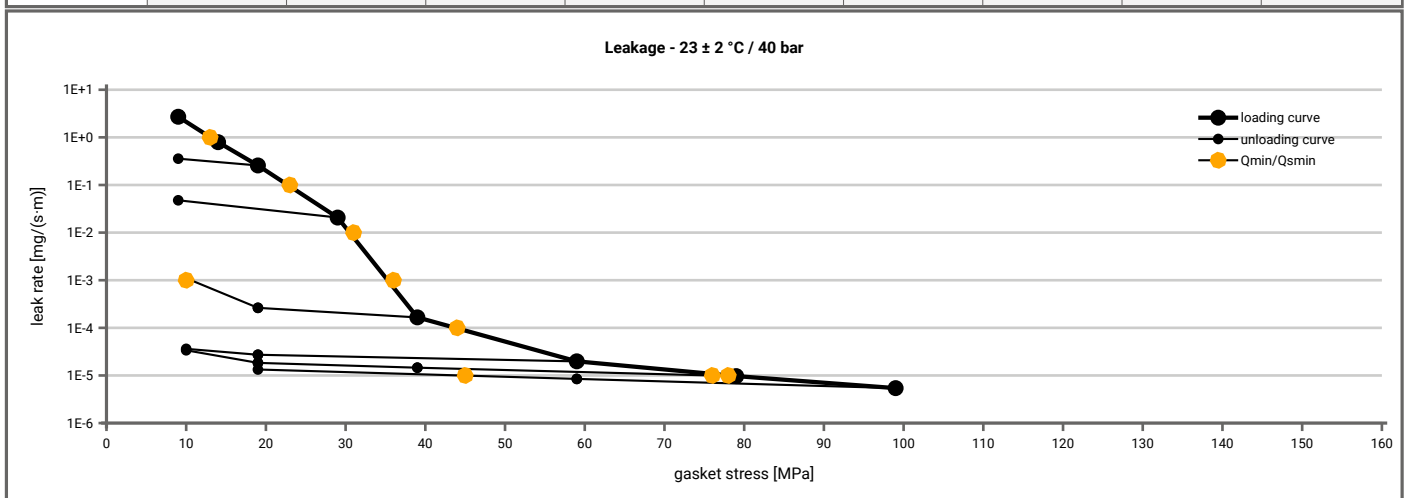


Manufacturer address	James Walker Moorflex Ltd, John Escritt Road, BD16 2BS West Yorkshire, GB	According to <b>EN 13555</b> <b>2021-4</b>
Product name	Fluolion® 200	
Product dimensions	92 x 49 x 6 mm	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ( $T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E-0	10			10	10	10	10	10	10
1E-1	15			10	10	10	10	10	10
1E-2	25				10	10	10	10	10
1E-3	32					10	10	10	10
1E-4	37					10	10	10	10
1E-5	52						11	10	10
1E-6									
1E-7									



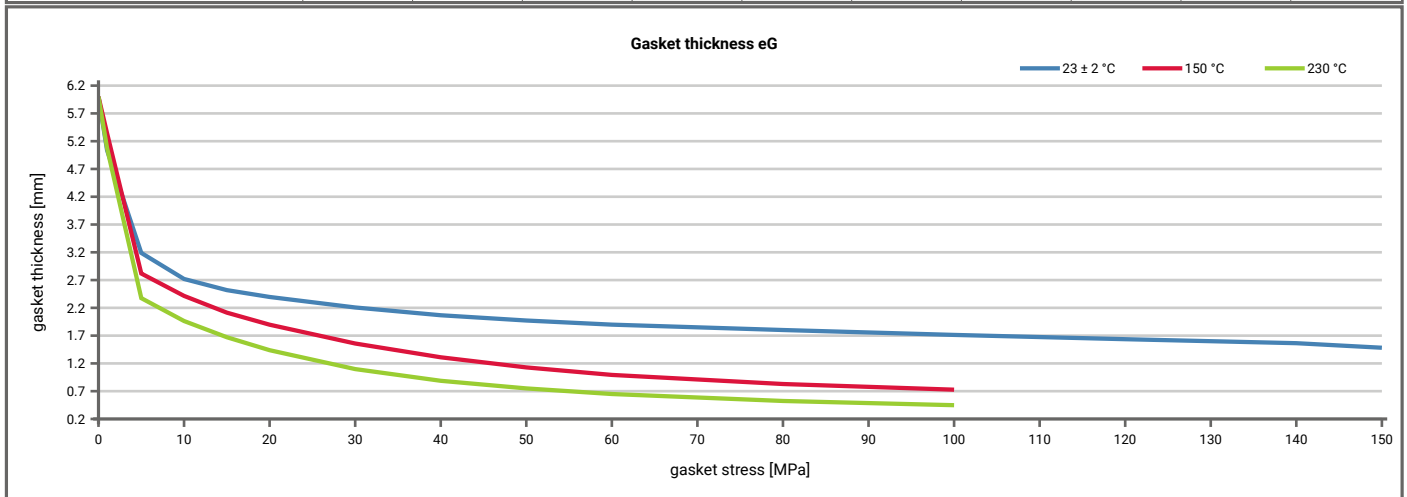
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ( $T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E+1	10			10	10	10	10	10	20
1E-0	14			10	10	10	10	10	20
1E-1	24				10	10	10	10	20
1E-2	31					10	10	10	20
1E-3	36					11	10	10	20
1E-4	45						10	10	20
1E-5	79							77	45
1E-6									
1E-7									



<b>Manufacturer address</b>	James Walker Moorflex Ltd, John Escritt Road, BD16 2BS West Yorkshire, GB	According to <b>EN 13555</b> <b>2021-4</b>
<b>Product name</b>	Fluolion® 200	
<b>Product dimensions</b>	92 x 49 x 6 mm	

Relaxation ratio $P_{QR}$ for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]		$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]
	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]				
Stress level 1 [30 MPa]	0.80	52	0.40	151	0.33	170				
Stress level 2 [50 MPa]	0.82	76	0.37	264	0.27	306				
<b><math>P_{QR}</math> and <math>\Delta e_{Gc}</math> at maximum gasket stress to be applied (<math>Q_{smax}</math>)</b>										
<b><math>P_{QR}</math> at <math>Q_{smax}</math></b>	0.87	170	0.33	562	0.26	621				
<b><math>Q_{smax}</math></b>	150 MPa		100 MPa		100 MPa					

Sekant unloading modulus of the gasket $E_G$ [MPa] and gasket thickness $e_G$ [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °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	0	6.000	0	6.000	0	6.000				
1	0	5.037	0	5.343	0	5.077				
5	124	3.189	98	2.818	125	2.375				
10	322	2.720	239	2.415	255	1.963				
15	579	2.519	443	2.114	439	1.671				
20	868	2.396	682	1.897	670	1.438				
30	1540	2.207	1201	1.558	1065	1.098				
40	2181	2.067	1614	1.310	1297	0.887				
50	2684	1.972	1964	1.128	1476	0.750				
60	3054	1.898	2244	0.993	1648	0.649				
80	3893	1.801	3043	0.829	1914	0.524				
100	4312	1.713	3336	0.727	2059	0.448				
120	4569	1.636								
140	5457	1.564								
150	6385	1.482								



Fields marked: Intrusion into bore was detected. Determined after the corresponding  $P_{QR}$ -Test.