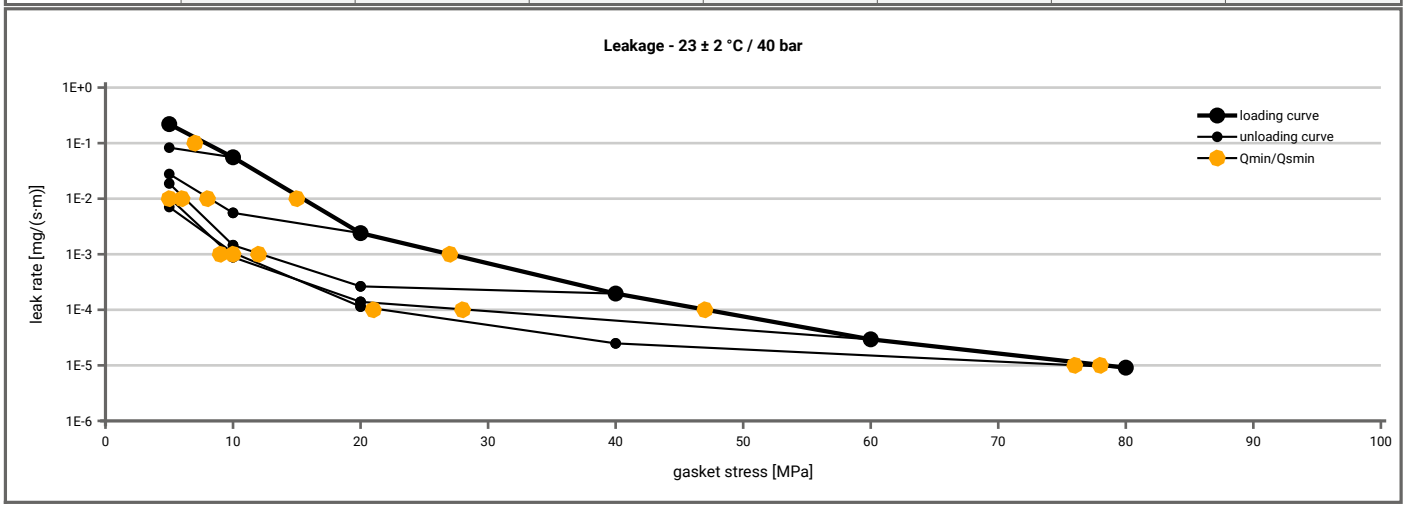
Manufacturer address	Matusza Dichtungstechnik GmbH, Am Kanal 4, 78652 Deißlingen, DE	According to **DIN EN 13555 2014-7**
Product name	Corrugated gasket with graphite layers - Matusza Wellring MF XP	
Product dimensions	92 x 50 x 2.75 mm (DIN EN 1514-4 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 5 [MPa]	Q_A = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	5		5	5	5	5	5
1E-1	8		5	5	5	5	5
1E-2	16			8	6	5	5
1E-3	27				12	10	10
1E-4	47					29	22
1E-5	78						76
1E-6							
1E-7							
1E-8							

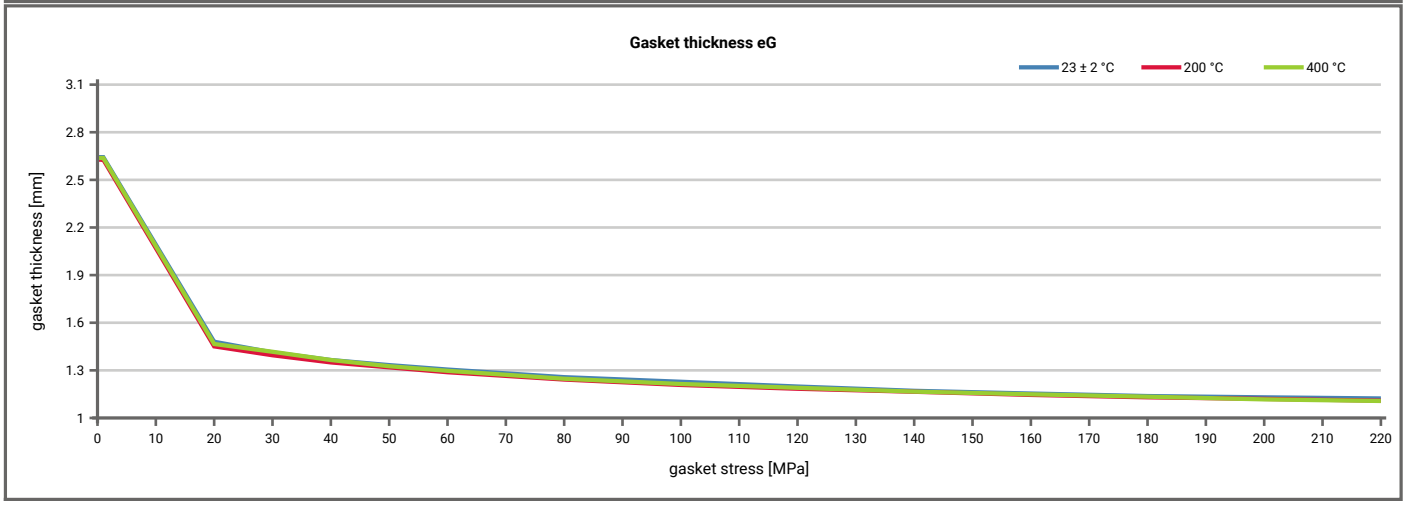


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2017-02-07**

Manufacturer address	Matusza Dichtungstechnik GmbH, Am Kanal 4, 78652 Deißlingen, DE	According to **DIN EN 13555 2014-7**
Product name	Corrugated gasket with graphite layers - Matusza Wellring MF XP	
Product dimensions	92 x 50 x 2.75 mm (DIN EN 1514-4 1997-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [200 °C]**		**Temperature 2 [400 °C]**					
	P_{QR}	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**
Stress level 1 [30 MPa]	0.98	5	0.91	23	0.88	31				
Stress level 2 [50 MPa]	0.99	4	0.94	25	0.92	35				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	18	0.99	18	0.98	36				
Q_{smax}	220 MPa		220 MPa		220 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**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]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**
0	0	2.643	0	2.627	0	2.638				
1	0	2.643	0	2.627	0	2.638				
20	974	1.480	1065	1.451	1118	1.466				
30	1373	1.413	1257	1.395	1653	1.417				
40	1869	1.365	1865	1.350	1928	1.365				
50	2753	1.333	3208	1.319	3116	1.326				
60	2977	1.305	3686	1.288	3916	1.297				
80	4139	1.257	4314	1.242	3924	1.247				
100	4922	1.228	4571	1.208	4568	1.214				
120	5014	1.198	4985	1.184	5509	1.190				
140	5022	1.171	4998	1.165	5571	1.166				
160	5612	1.154	8103	1.145	6228	1.149				
180	7019	1.138	7375	1.130	8827	1.134				
200	10476	1.130	11423	1.120	9293	1.117				
220	22484	1.123	16492	1.109	11277	1.107				



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