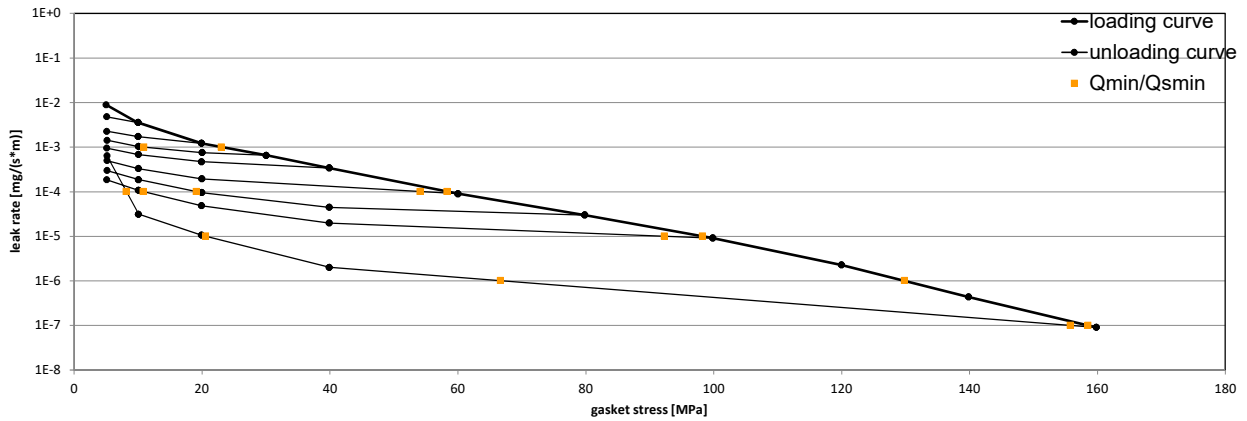


Company Address	SGL Carbon, Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex APX2 Hochdruck V10011W3	
Sealing element dimensions [mm]	92 x 49 x 1	

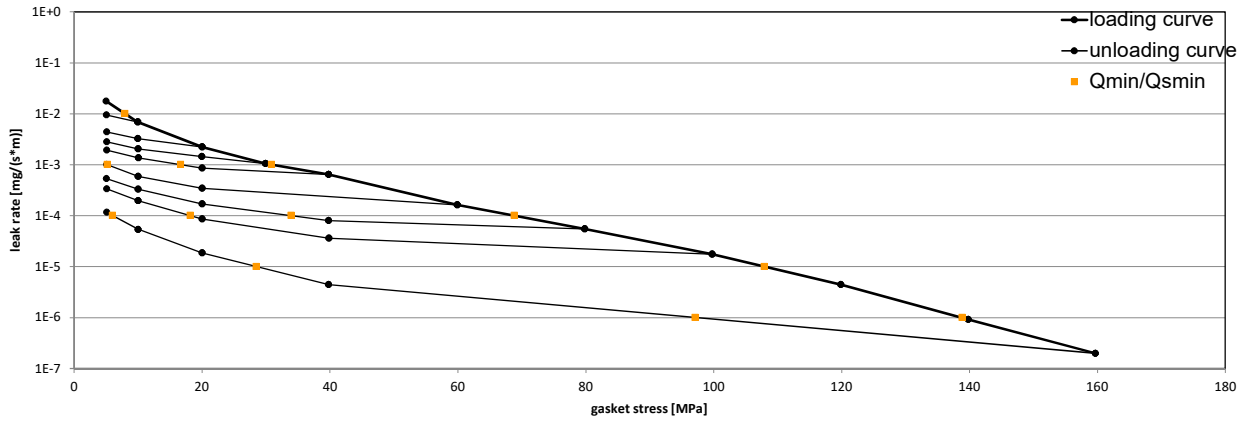
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	5	5	5	5	5	5	5	5			5
10 ⁻²	5	5	5	5	5	5	5	5			5
10 ⁻³	23			11	5	5	5	5			5
10 ⁻⁴	58					54	19	11			8
10 ⁻⁵	98							92			21
10 ⁻⁶	130										67
10 ⁻⁷	159										156
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 10 bar



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 = 16 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 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	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	5	5	5	5	5	5	5	5			5
10 ⁻²	8	5	5	5	5	5	5	5			5
10 ⁻³	31				17	5	5	5			5
10 ⁻⁴	69						34	18			6
10 ⁻⁵	108										29
10 ⁻⁶	139										97
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 16 bar



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

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Creation date of this sheet:

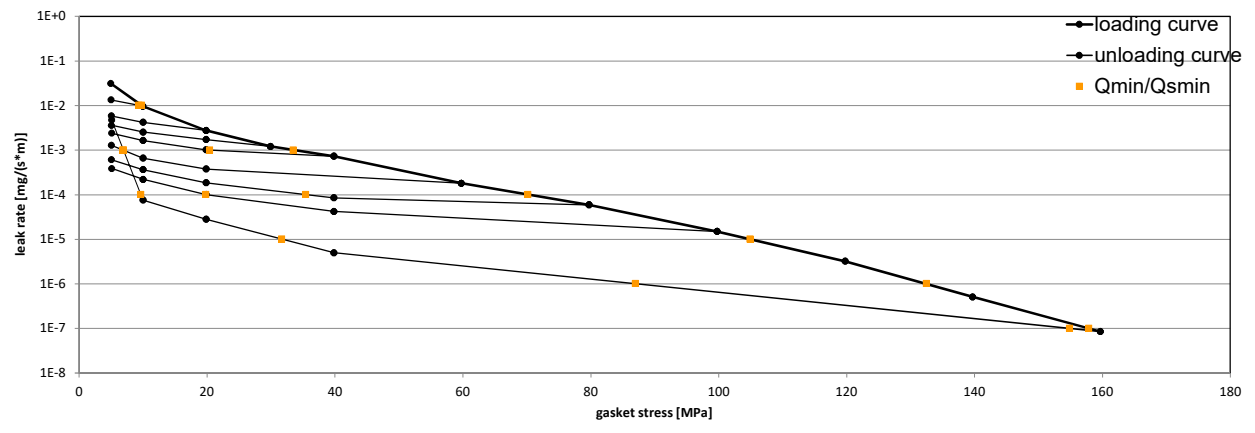
2019-03-13



Company Address	SGL Carbon, Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex APX2 Hochdruck V10011W3	
Sealing element dimensions [mm]	92 x 49 x 1	

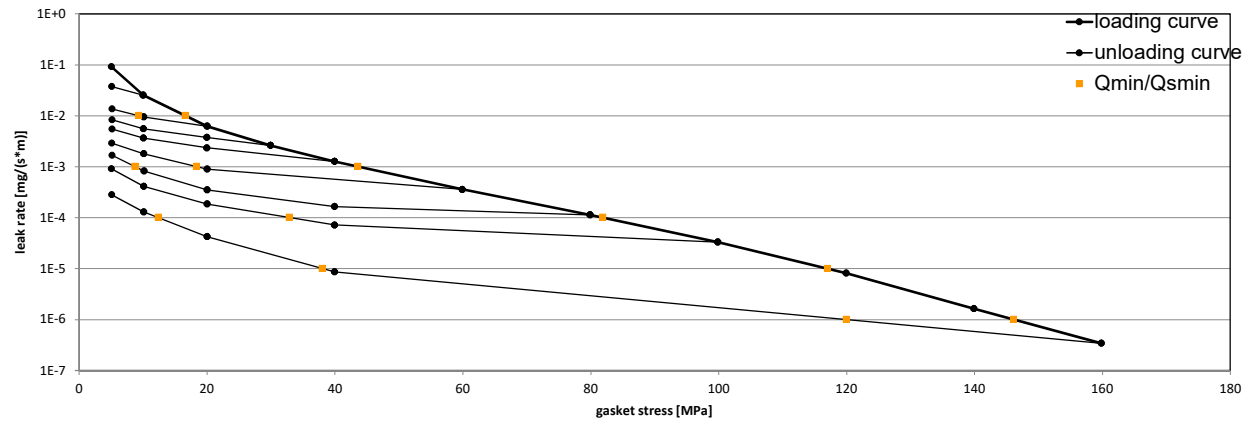
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 25 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	5	5	5	5	5	5	5	5			5
10 ⁻²	10	9	5	5	5	5	5	5			5
10 ⁻³	34				20	7	5	5			7
10 ⁻⁴	70						35	20			10
10 ⁻⁵	105										32
10 ⁻⁶	133										87
10 ⁻⁷	158										155
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 25 bar



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 = 10 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	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	5	5	5	5	5	5	5	5			5
10 ⁻²	17		9	5	5	5	5	5			5
10 ⁻³	44					18	9	5			5
10 ⁻⁴	82							33			12
10 ⁻⁵	117										38
10 ⁻⁶	146										120
10 ⁻⁷											
10 ⁻⁸											

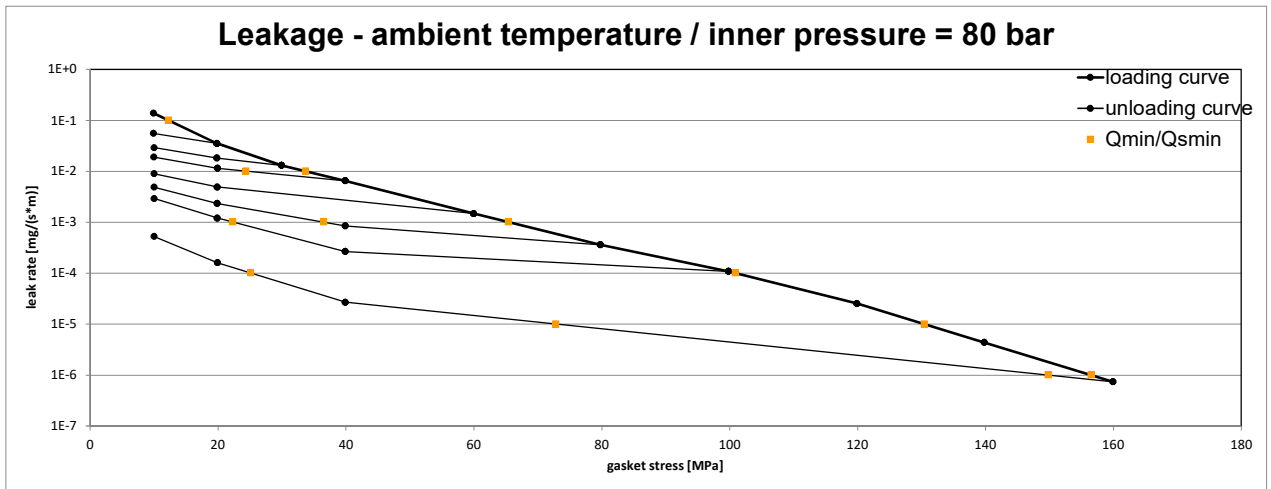
Leakage - ambient temperature / inner pressure = 40 bar



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2019-03-13

Company Address	SGL Carbon, Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex APX2 Hochdruck V10011W3	
Sealing element dimensions [mm]	92 x 49 x 1	

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 = 80 bar									
		Q _{Smin,L} [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	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁻⁹	10	10	10	10	10	10	10			10	
10 ⁻¹	12	10	10	10	10	10	10			10	
10 ⁻²	34			24	10	10	10			10	
10 ⁻³	65					37	22			10	
10 ⁻⁴	101									25	
10 ⁻⁵	130									73	
10 ⁻⁶	157									150	
10 ⁻⁷											
10 ⁻⁸											



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2019-03-06

