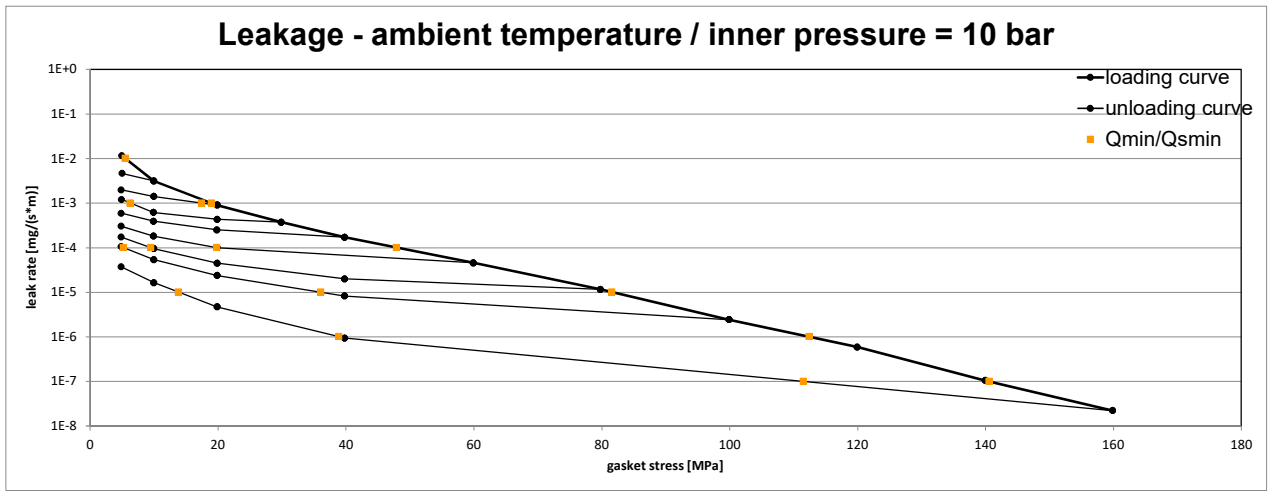
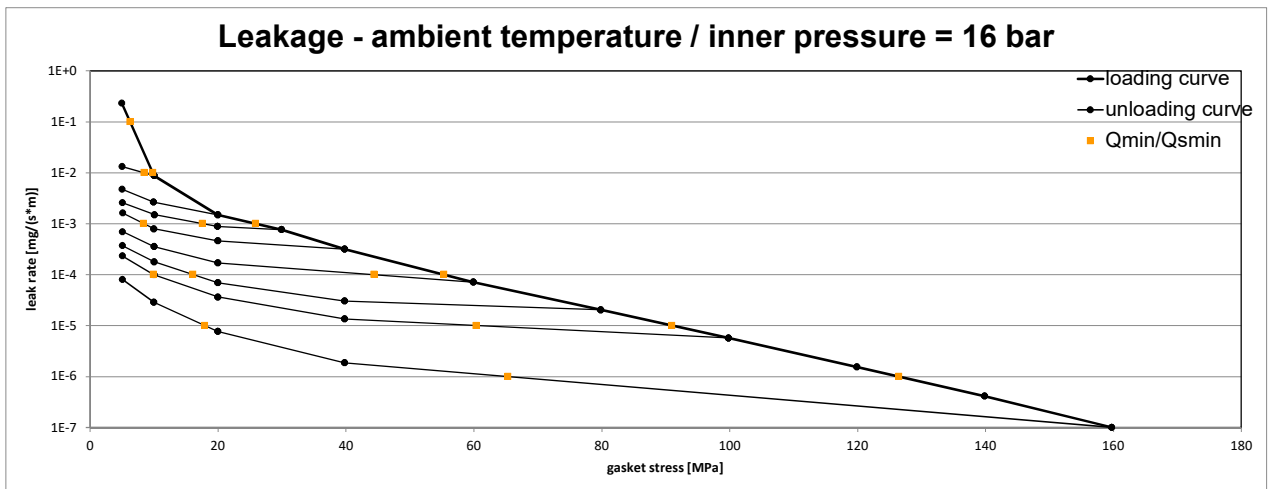


Company Address	SGL Carbon GmbH Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex Hochdruck Pro V15011Z3I-P	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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	19		17	6	5	5	5	5			5
10 ⁻⁴	48					20	10	5			5
10 ⁻⁵	82							36			14
10 ⁻⁶	112										39
10 ⁻⁷	141										112
10 ⁻⁸											



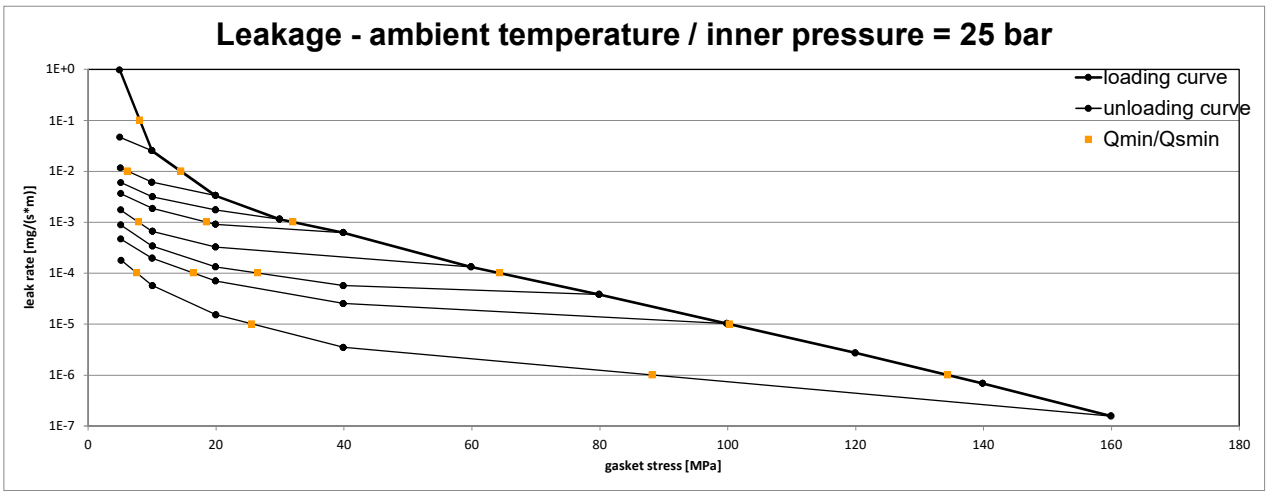
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 16 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	6	5	5	5	5	5	5	5			5
10 ⁻²	10	8	5	5	5	5	5	5			5
10 ⁻³	26			18	8	5	5	5			5
10 ⁻⁴	55					44	16	10			5
10 ⁻⁵	91							60			18
10 ⁻⁶	126										65
10 ⁻⁷											
10 ⁻⁸											



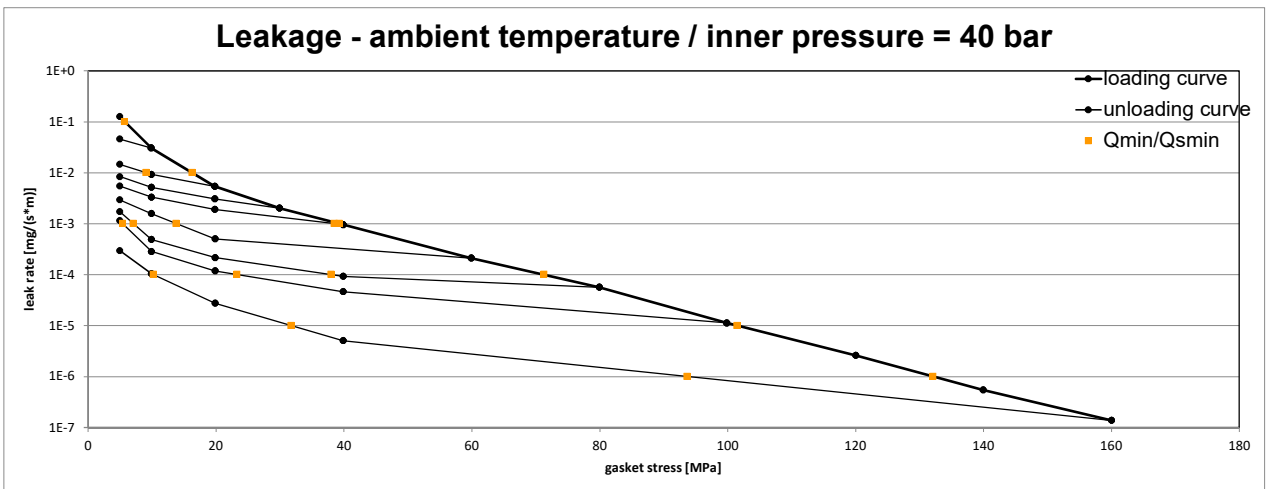
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2019-04-09

Company Address	SGL Carbon GmbH Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex Hochdruck Pro V15011Z3I-P	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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	8	5	5	5	5	5	5	5			5
10 ⁻²	15		6	5	5	5	5	5			5
10 ⁻³	32				19	8	5	5			5
10 ⁻⁴	64						27	16			8
10 ⁻⁵	100										26
10 ⁻⁶	134										88
10 ⁻⁷											
10 ⁻⁸											



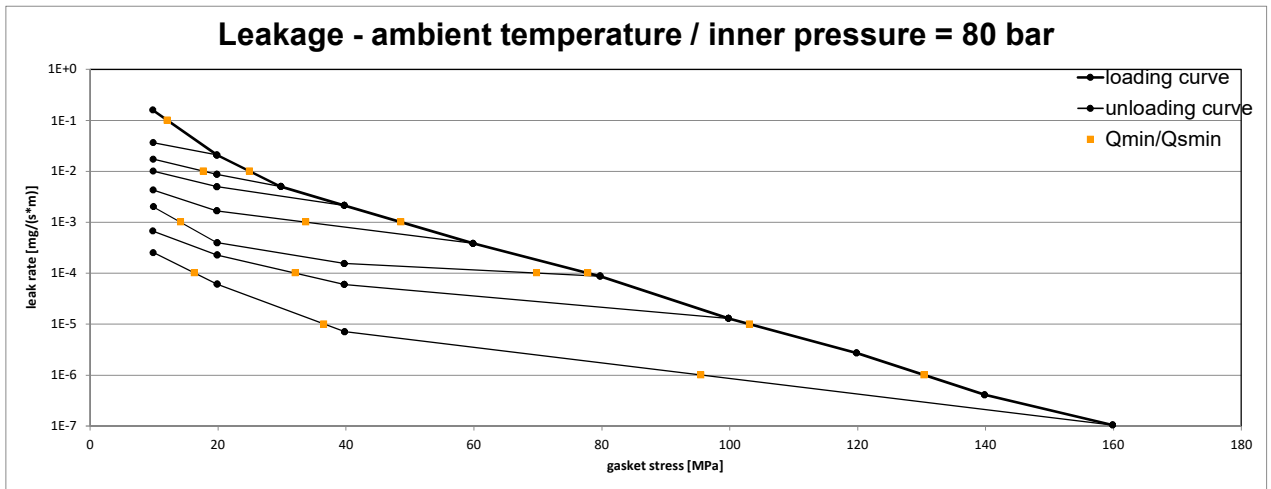
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5			5
10 ⁻¹	6	5	5	5	5	5	5	5			5
10 ⁻²	16		9	5	5	5	5	5			5
10 ⁻³	39				38	14	7	5			5
10 ⁻⁴	71						38	23			10
10 ⁻⁵	101										32
10 ⁻⁶	132										94
10 ⁻⁷											
10 ⁻⁸											



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Company Address	SGL Carbon GmbH Werner-von-Siemens-Str. 18, 86405 Meitingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	Sigraflex Hochdruck Pro V15011Z3I-P	
Sealing element dimensions [mm]	92 x 49 x 1.5	

		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 80 bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	25		18	10	10	10	10				10
10^{-3}	49				34	14	10				10
10^{-4}	78					70	32				16
10^{-5}	103										37
10^{-6}	130										96
10^{-7}											
10^{-8}											



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2019-04-09

