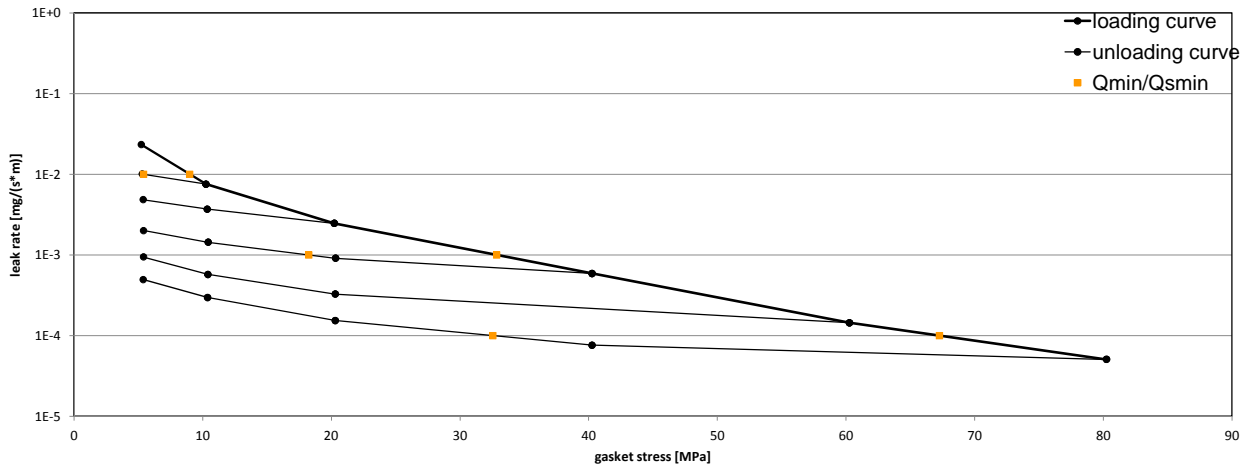


Company Address	Frenzelit-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany
Gasket Type	novaphit MST / novaphit MST with XP-Technology
Sealing element dimensions [mm]	92 x 49 x 3.0

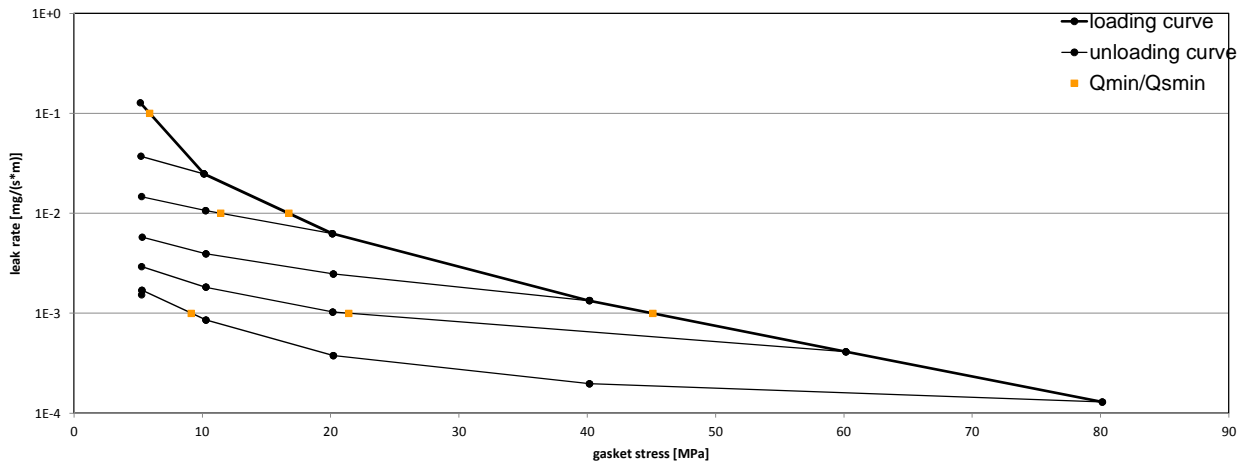
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar					Q _{Smin/L} [MPa]					
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa						
10 ⁰	5	5	5	5	5	5						
10 ⁻¹	5	5	5	5	5	5						
10 ⁻²	9	5	5	5	5	5						
10 ⁻³	33			18	5	5						
10 ⁻⁴	67					33						
10 ⁻⁵												
10 ⁻⁶												
10 ⁻⁷												
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 = 25 bar					Q _{Smin/L} [MPa]					
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa						
10 ⁰	5	5	5	5	5	5						
10 ⁻¹	6	5	5	5	5	5						
10 ⁻²	17		11	5	5	5						
10 ⁻³	45				21	9						
10 ⁻⁴												
10 ⁻⁵												
10 ⁻⁶												
10 ⁻⁷												
10 ⁻⁸												

Leakage - ambient temperature / inner pressure = 25 bar



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

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14.01.2013

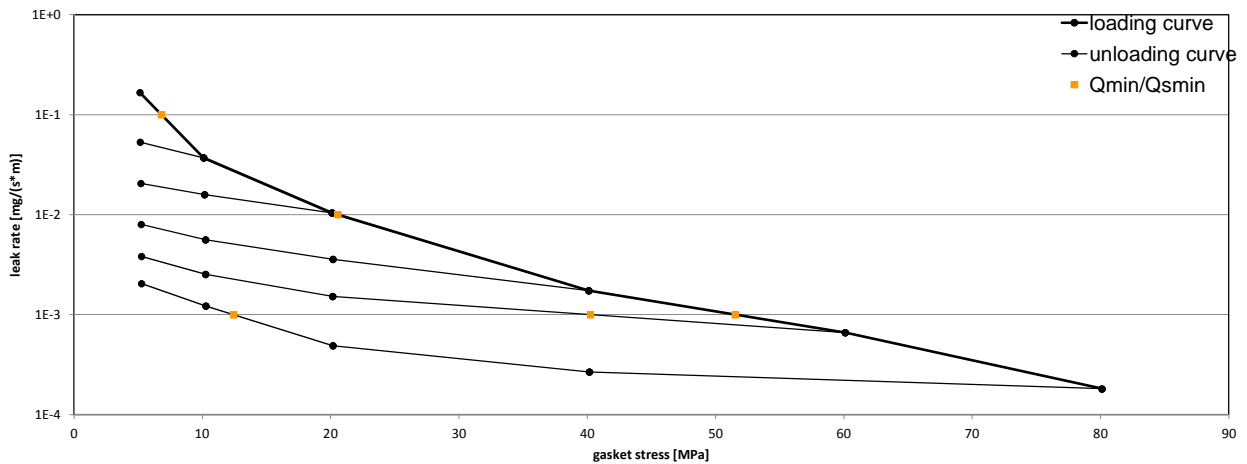
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Company Address	Frenzelit-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany
Gasket Type	novaphit MST / novaphit MST with XP-Technology
Sealing element dimensions [mm]	92 x 49 x 3.0

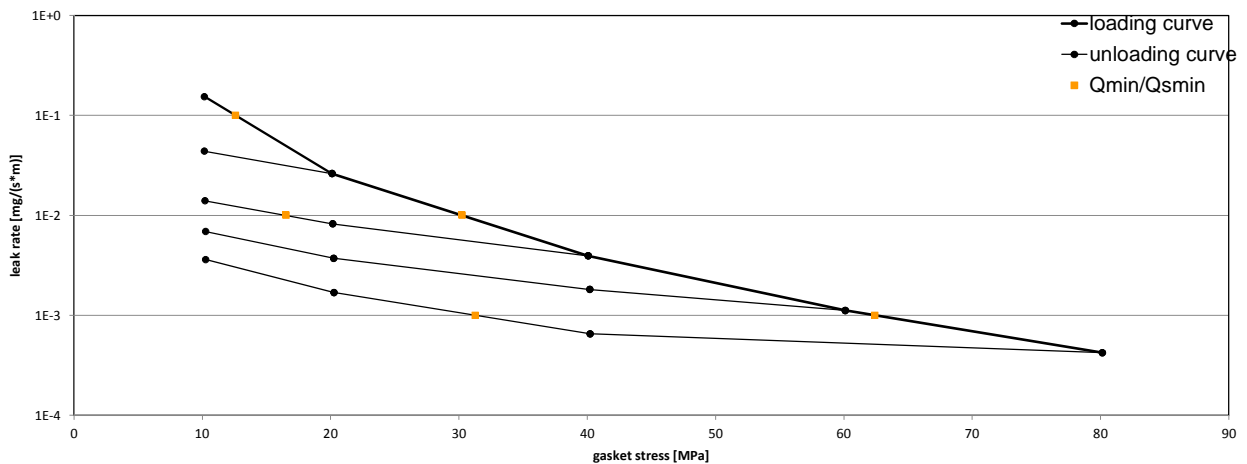
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar					Q _{Smin/L} [MPa]						
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa							
10 ⁰	5	5	5	5	5	5							
10 ⁻¹	7	5	5	5	5	5							
10 ⁻²	21			5	5	5							
10 ⁻³	52				40	12							
10 ⁻⁴													
10 ⁻⁵													
10 ⁻⁶													
10 ⁻⁷													
10 ⁻⁸													

Leakage - ambient temperature / inner pressure = 40 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 = 63 bar				Q _{Smin/L} [MPa]						
		Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa							
10 ⁰	10	10	10	10	10							
10 ⁻¹	13	10	10	10	10							
10 ⁻²	30		17	10	10							
10 ⁻³	62				31							
10 ⁻⁴												
10 ⁻⁵												
10 ⁻⁶												
10 ⁻⁷												
10 ⁻⁸												

Leakage - ambient temperature / inner pressure = 63 bar



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

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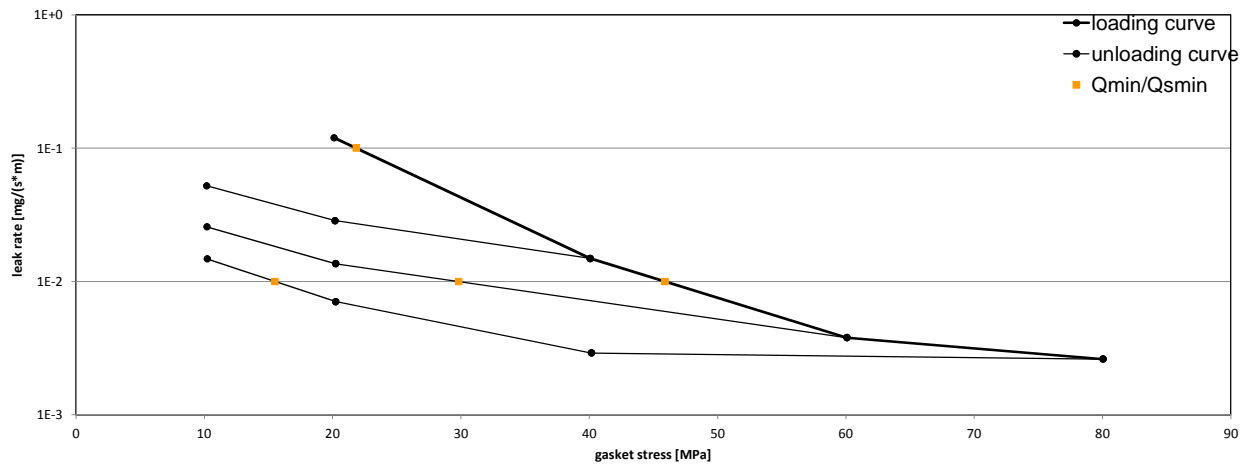
Creation date of this sheet:

14.01.2013

Company Address	Frenzelit-Werke, Frankenhammer 7, 95460 Bad Berneck, Germany
Gasket Type	novaphit MST / novaphit MST with XP-Technology
Sealing element dimensions [mm]	92 x 49 x 3.0

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 = 100 bar								
		Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa						
10 ⁰	20	10	10	10						
10 ⁻¹	22	10	10	10						
10 ⁻²	46		30	16						
10 ⁻³										
10 ⁻⁴										
10 ⁻⁵										
10 ⁻⁶										
10 ⁻⁷										
10 ⁻⁸										

Leakage - ambient temperature / inner pressure = 100 bar



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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

