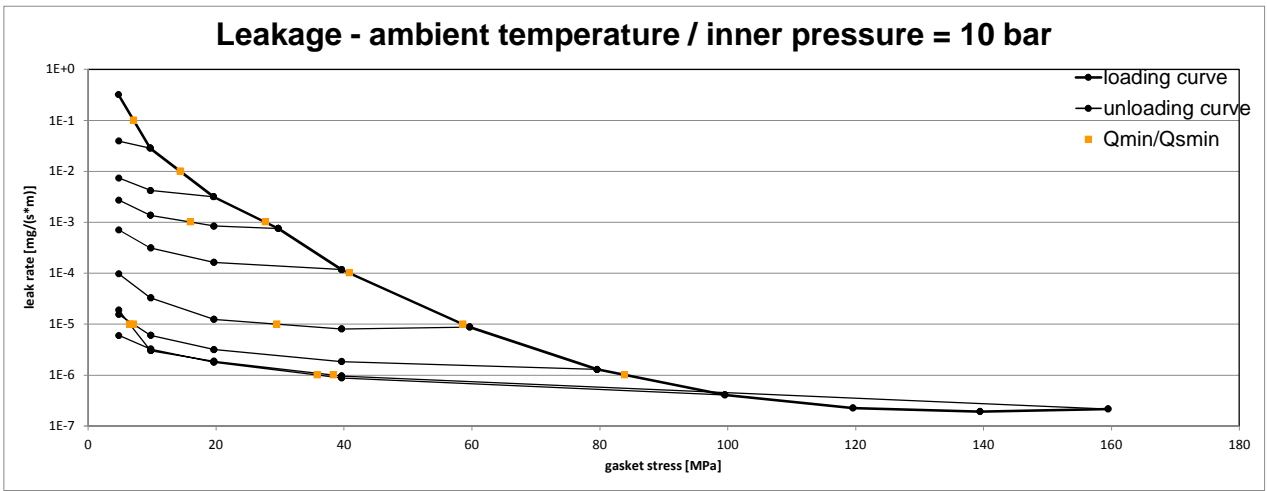
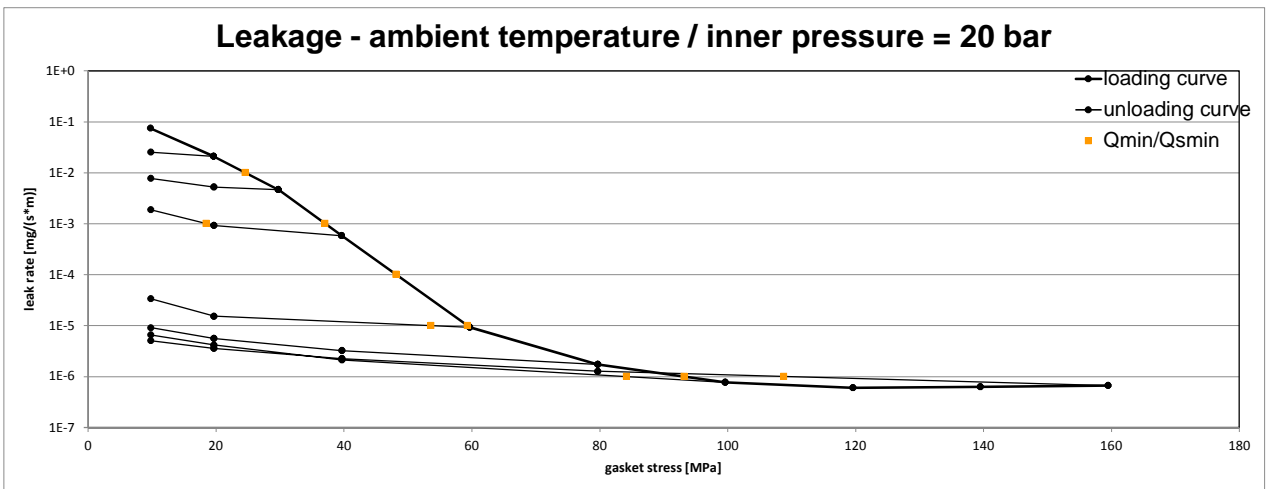


| | | |
|---------------------------------|---|---|
| Company Address | Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany | According to DIN EN 13555 2014-07 |
| Gasket Type | BLUE-GARD® 3000 | |
| Sealing element dimensions [mm] | 92 x 49 x 2 | |

| 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 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | 5 |
| 10 ⁻² | 14 | | 5 | 5 | 5 | 5 | 5 | 5 | | | 5 |
| 10 ⁻³ | 28 | | | 16 | 5 | 5 | 5 | 5 | | | 5 |
| 10 ⁻⁴ | 41 | | | | | 5 | 5 | 5 | | | 5 |
| 10 ⁻⁵ | 59 | | | | | 30 | 7 | 5 | | | 7 |
| 10 ⁻⁶ | 84 | | | | | | | 36 | | | 38 |
| 10 ⁻⁷ | | | | | | | | | | | |
| 10 ⁻⁸ | | | | | | | | | | | |



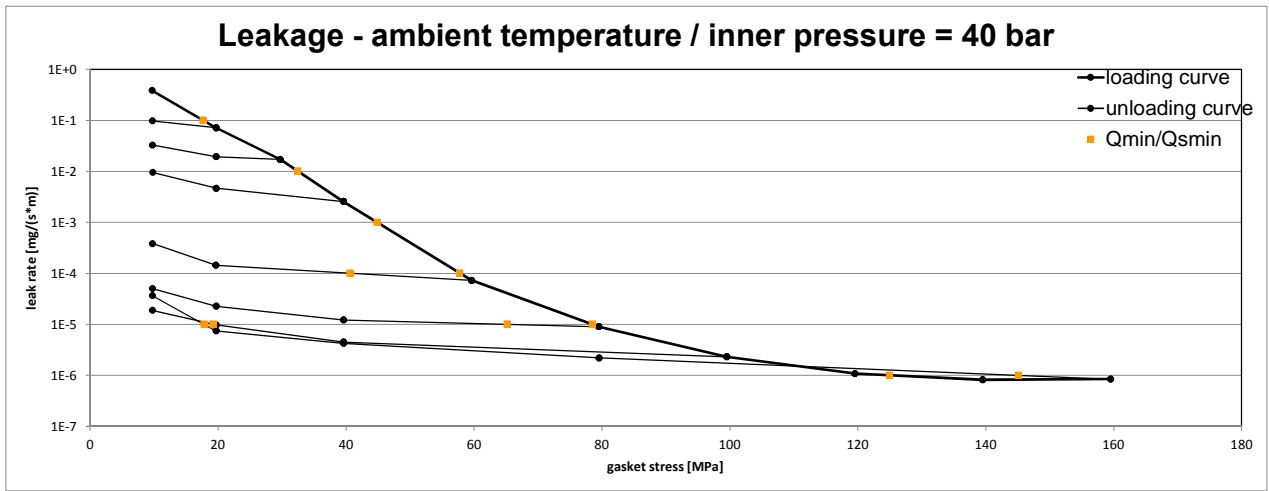
| L [mg/(s*m)] | Q _{min/L} [MPa] | Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 20 bar | | | | | | | | |
|------------------|--------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | 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 ⁰ | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻¹ | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻² | 25 | | 10 | 10 | 10 | 10 | 10 | | | 10 |
| 10 ⁻³ | 37 | | | 18 | 10 | 10 | 10 | | | 10 |
| 10 ⁻⁴ | 48 | | | | 10 | 10 | 10 | | | 10 |
| 10 ⁻⁵ | 59 | | | | 54 | 10 | 10 | | | 10 |
| 10 ⁻⁶ | 93 | | | | | | 84 | | | 109 |
| 10 ⁻⁷ | | | | | | | | | | |
| 10 ⁻⁸ | | | | | | | | | | |



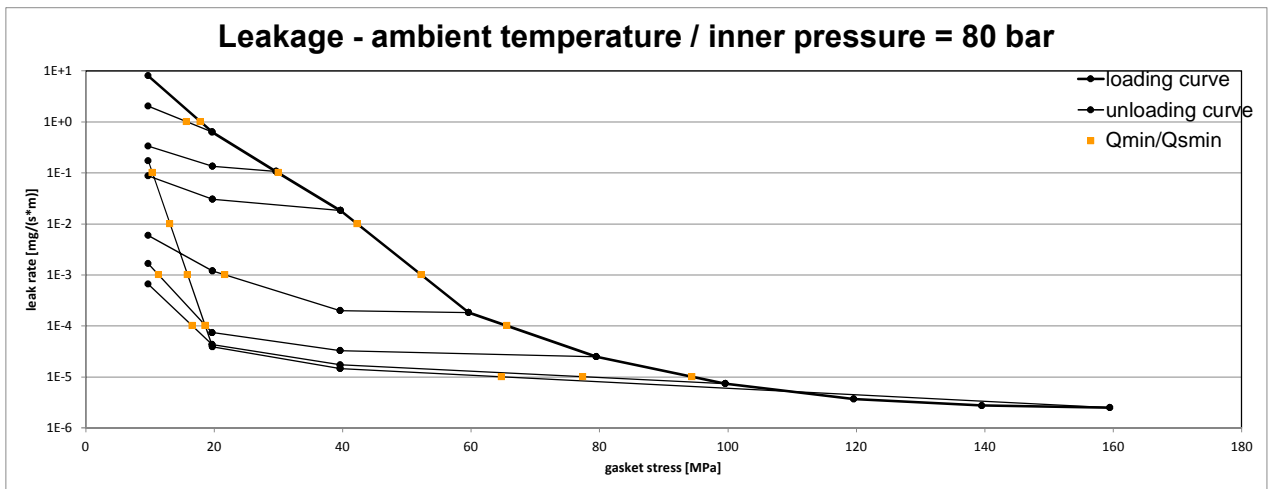
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-08-26

| | | |
|---------------------------------|---|--|
| Company Address | Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany | According to DIN EN 13555 2014-07 |
| Gasket Type | BLUE-GARD® 3000 | |
| Sealing element dimensions [mm] | 92 x 49 x 2 | |

| | | Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for $p = 40$ 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 | | |
| 10^0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-1} | 18 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-2} | 33 | | | 10 | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-3} | 45 | | | | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-4} | 58 | | | | 41 | 10 | 10 | 10 | | | 10 | |
| 10^{-5} | 79 | | | | | 65 | 19 | | | | 18 | |
| 10^{-6} | 125 | | | | | | | | | | 145 | |
| 10^{-7} | | | | | | | | | | | | |
| 10^{-8} | | | | | | | | | | | | |



| | | 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 | | |
| 10^0 | 18 | 16 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-1} | 30 | | | 10 | 10 | 10 | 10 | 10 | | | 10 | |
| 10^{-2} | 42 | | | | 10 | 10 | 10 | 10 | | | 13 | |
| 10^{-3} | 52 | | | | 22 | 11 | 10 | 10 | | | 16 | |
| 10^{-4} | 66 | | | | | 19 | 17 | 10 | | | 19 | |
| 10^{-5} | 94 | | | | | | 77 | | | | 65 | |
| 10^{-6} | | | | | | | | | | | | |
| 10^{-7} | | | | | | | | | | | | |
| 10^{-8} | | | | | | | | | | | | |



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-08-26

