

## ANSI-Sicherheitsventil

Full Nozzle mit Gewindemuffen (optional: Flanschen (ANSI 150 - 2500) / Schweißmuffen / Schweißenden)

### ARI-REYCO RL14 Series

#### ANSI-Sicherheitsventil

mit Außengewinde / Innengewinde

- Kenndaten: Fläche 0,078 in<sup>2</sup>  
Fläche 0,122 in<sup>2</sup>

- ASME Code Section VIII-Division 1.

- UV-stamp NB-stamp  

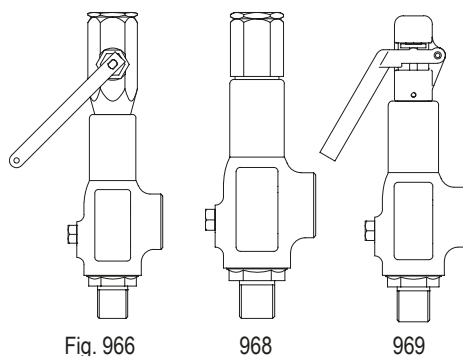


Fig. 966

968

969

Seite 2

### ARI-REYCO RL40/41 Series

#### ANSI-Sicherheitsventil

mit Innengewinde / Innengewinde

- Kenndaten: Fläche 0,152 in<sup>2</sup>  
Fläche 0,235 in<sup>2</sup>  
Fläche 0,563 in<sup>2</sup>

- ASME Code Section VIII-Division 1.

- UV-stamp NB-stamp  

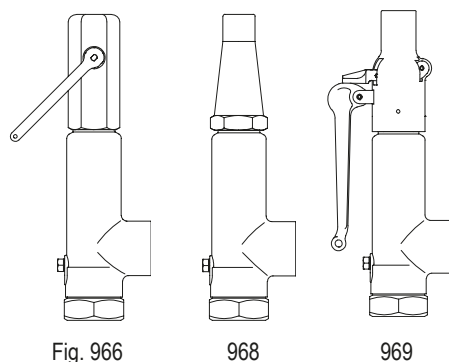


Fig. 966

968

969

Seite 2

optional:

mit Innengewinde / Innengewinde

mit Außengewinde / Innengewinde

mit Schweißmuffe / Schweißmuffe

mit Schweißende / Schweißmuffe

mit Flanschen

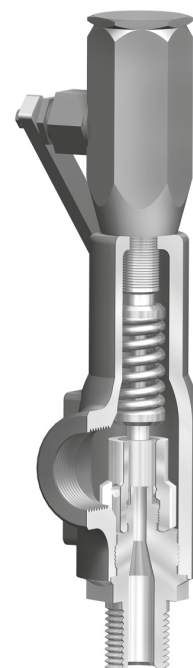
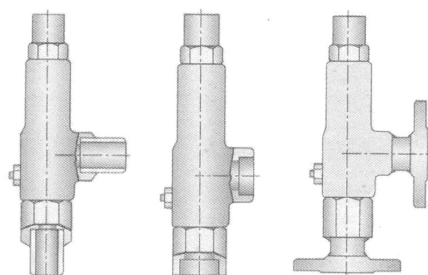


Fig. 966  
geschlossene Anlüftung

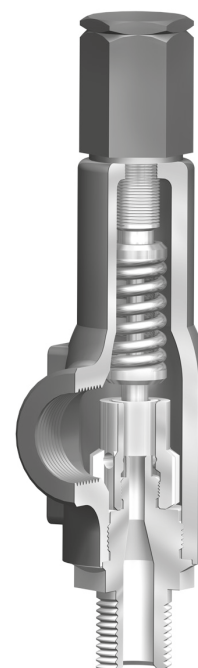


Fig. 968  
gasdichte Kappe

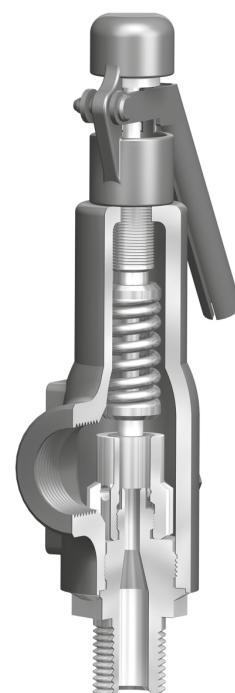


Fig. 969  
offene Anlüftung

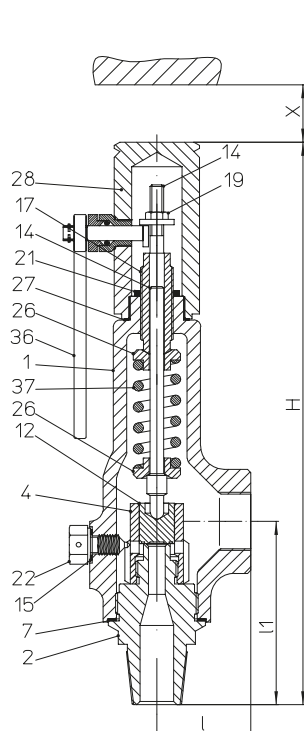
#### Merkmale:

- Direktwirkend federbelastet
- Hohe Verschleißfestigkeit Sitz/Kegel
- Präzise Zentrierung und Führung des Kegels
- Wahlweise Elastomer-Kegel

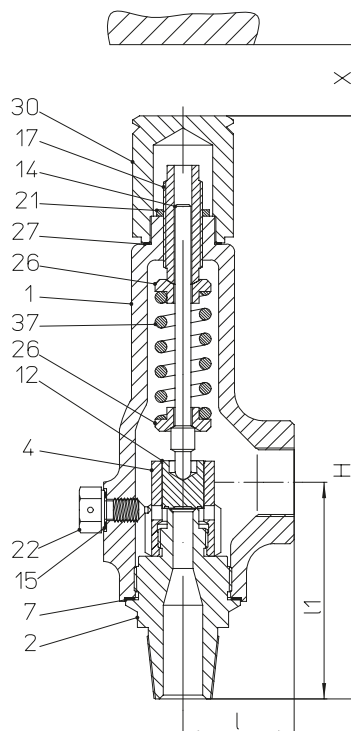
**ARI-REYCO RL Series - Sicherheitsventil (Full Nozzle)**

| Figur              | Nenndruck        | Werkstoff | Anschlussart (Eingang / Ausgang)                                                | Nennweite           | Orifice       | Temperaturbereich                                                                       |
|--------------------|------------------|-----------|---------------------------------------------------------------------------------|---------------------|---------------|-----------------------------------------------------------------------------------------|
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Außengewinde NPT / Innengewinde NPT                                             | 1/2" x 1" - 1" x 1" | A, D          | • Feder: Chrom vanadium<br>-75°F bis +650°F<br><br>• Feder: Inconel<br>-75°F bis +750°F |
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Innengewinde NPT / Innengewinde NPT                                             | 3/4" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Innengewinde NPT / Innengewinde NPT                                             | 1/2" x 1" - 1" x 1" | A, D          |                                                                                         |
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Außengewinde NPT / Innengewinde NPT                                             | 3/4" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Schweißmuffe / Schweißmuffe                                                     | 1/2" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 39.966 / 968 / 969 | ANSI1500         | SA216WCC  | Schweißende / Schweißmuffe                                                      | 1/2" x 1" - 2" x 2" | A, D, B, C, G |                                                                                         |
| 32.966 / 968 / 969 | ANSI150/150      | SA216WCC  | Flansche ASME B16.5 / Flansche ASME B16.5<br>(Ausführungen: siehe Seite 4 - 10) | 1/2" x 1" - 2" x 2" | A, D, B, C, G |                                                                                         |
| 35.966 / 968 / 969 | ANSI300/(150)300 | SA216WCC  |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 37.966 / 968 / 969 | ANSI600/(150)300 | SA216WCC  |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 38.966 / 968 / 969 | ANSI900/300      | SA216WCC  |                                                                                 | 1/2" x 1" - 1" x 2" |               |                                                                                         |
| 39.966 / 968 / 969 | ANSI1500/300     | SA216WCC  |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 3c.966 / 968 / 969 | ANSI2500/300     | SA216WCC  |                                                                                 | 3/4" x 2" - 1" x 2" |               |                                                                                         |
|                    |                  |           |                                                                                 |                     |               |                                                                                         |
| 59.966 / 968       | ANSI1500         | SA351CF8M | Außengewinde NPT / Innengewinde NPT                                             | 1/2" x 1" - 1" x 1" | A, D          | • Feder: Edelstahl<br>-400°F bis +750°F<br><br>• Feder: Inconel<br>-75°F bis +750°F     |
| 59.966 / 968       | ANSI1500         | SA351CF8M | Innengewinde NPT / Innengewinde NPT                                             | 3/4" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 39.966 / 968       | ANSI1500         | SA351CF8M | Innengewinde NPT / Innengewinde NPT                                             | 1/2" x 1" - 1" x 1" | A, D          |                                                                                         |
| 59.966 / 968       | ANSI1500         | SA351CF8M | Außengewinde NPT / Innengewinde NPT                                             | 3/4" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 59.966 / 968       | ANSI1500         | SA351CF8M | Schweißmuffe / Schweißmuffe                                                     | 1/2" x 1" - 2" x 2" | B, C, G       |                                                                                         |
| 59.966 / 968       | ANSI1500         | SA351CF8M | Schweißende / Schweißmuffe                                                      | 1/2" x 1" - 2" x 2" | A, D, B, C, G |                                                                                         |
| 52.966 / 968       | ANSI150/150      | SA351CF8M | Flansche ASME B16.5 / Flansche ASME B16.5<br>(Ausführungen: siehe Seite 5 - 11) | 1/2" x 1" - 2" x 2" | A, D, B, C, G |                                                                                         |
| 55.966 / 968       | ANSI300/(150)300 | SA351CF8M |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 57.966 / 968       | ANSI600/(150)300 | SA351CF8M |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 58.966 / 968       | ANSI900/300      | SA351CF8M |                                                                                 | 1/2" x 1" - 1" x 2" |               |                                                                                         |
| 59.966 / 968       | ANSI1500/300     | SA351CF8M |                                                                                 | 1/2" x 1" - 2" x 2" |               |                                                                                         |
| 5c.966 / 968       | ANSI2500/300     | SA351CF8M |                                                                                 | 3/4" x 2" - 1" x 2" |               |                                                                                         |

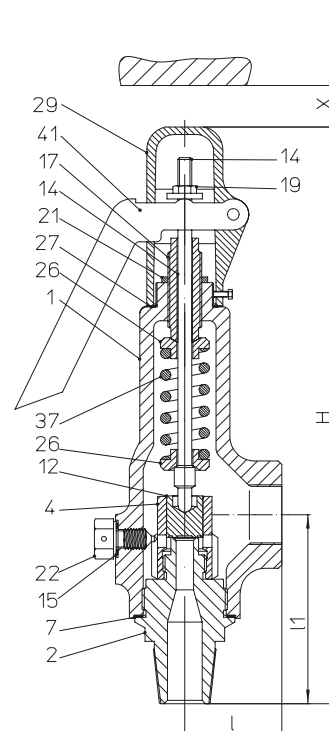
|                                                                                                                                                                              |                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kennzeichen</b>                                                                                                                                                           |                                                                                                                                                                                                                                                          |
|        |                                                                                                                                                                                                                                                          |
| UV-stamp                                                                                                                                                                     | NB-stamp                                                                                                                                                                                                                                                 |
| <b>Ausführung / Verwendung</b>                                                                                                                                               |                                                                                                                                                                                                                                                          |
| Sicherheitsventil, federbelastet, direktwirkend; zum Abblasen von Gasen und Dämpfen sowie Flüssigkeiten                                                                      |                                                                                                                                                                                                                                                          |
| <b>Anforderungen</b>                                                                                                                                                         |                                                                                                                                                                                                                                                          |
| <b>ASME Code Section VIII-Division 1.</b>                                                                                                                                    |                                                                                                                                                                                                                                                          |
| <b>Größenbestimmung</b>                                                                                                                                                      |                                                                                                                                                                                                                                                          |
| Berechnungen nach ASME                                                                                                                                                       |                                                                                                                                                                                                                                                          |
| <b>Benötigte Angaben</b>                                                                                                                                                     |                                                                                                                                                                                                                                                          |
| Medium gasförmig:                                                                                                                                                            | Massenstrom (lb/h), SCFM, molare Masse (kg/kmol), Isotropenexponent, Temperatur (°F), Ansprechdruck (psig), Gegendruck (psig)<br>Massenstrom (kg/h), molare Masse (kg/kmol), Isotropenexponent, Temperatur (°C), Ansprechdruck (barü), Gegendruck (barü) |
| Medium flüssig:                                                                                                                                                              | Volumenstrom (gal/min), Dichte (lb/ft³), Viskosität, Temperatur (°F), Ansprechdruck (psig), Gegendruck (psig)<br>Massenstrom (kg/h), Dichte (kg/m³), Viskosität, Temperatur (°C), Ansprechdruck (barü), Gegendruck (barü)                                |
| <b>Bestelltext:</b>                                                                                                                                                          |                                                                                                                                                                                                                                                          |
| ARI-REYCO RL Series - Sicherheitsventil, Figur ..., Orifice letter, Nennweite ...x..., Nenndruck ..., Werkstoff ..., Anschlussart (Eingang / Ausgang), Ansprechdruck ...psig |                                                                                                                                                                                                                                                          |
|                                                                                                                                                                              | <b>Standard: ohne Metallfaltenbalg</b>                                                                                                                                                                                                                   |
| <b>Fremdgegendruck</b>                                                                                                                                                       | auf Anfrage                                                                                                                                                                                                                                              |
| <b>Eigengegendruck</b>                                                                                                                                                       | max. 10% vom Ansprechdruck (größer auf Anfrage)                                                                                                                                                                                                          |



**Fig. ... 966**  
**geschlossene Anlüftung**



**Fig. ... 968**  
**gasdichte Kappe**



**Fig. ... 969**  
**offene Anlüftung**

| Teilleiste |               |                                         |                                                         |                                       |
|------------|---------------|-----------------------------------------|---------------------------------------------------------|---------------------------------------|
| Pos.       | Ers.          | Bezeichnung                             | Fig. 32.966 / 968 / 969 - 3c.966 / 968 / 969            | Fig. 52.966 / 968 - 5c.966 / 968      |
| 1          |               | Haube                                   | SA216WCC                                                | SA351CF8M                             |
| 2          | x             | Einschraubstutzen                       | SA351CF8M                                               |                                       |
| 4          |               | Führung                                 | SA351CF8M (Flüssigkeit+Luft) / Monel SA494M35-2 (Dampf) |                                       |
| 7          | x             | Flachdichtung (Einschraubstutzen/Haube) | Edelstahl                                               |                                       |
| 12         | x             | Kegel                                   | SA479Gr.316L                                            |                                       |
| 14         |               | Spindel                                 | SA479Gr.316L                                            |                                       |
| 15         | x             | Flachdichtung                           | Edelstahl                                               |                                       |
| 17         |               | Spannschraube                           | SA479Gr.316L                                            |                                       |
| 19         |               | Sechskantmutter                         | SA58Gr.303 SS                                           |                                       |
| 21         |               | Kontermutter                            | SA479Gr.316L                                            |                                       |
| 22         |               | Fixierschraube (Stellring)              | SA479Gr.316L                                            |                                       |
| 26         |               | Federteller                             | SA108Gr.1018                                            |                                       |
| 27         | x             | Flachdichtung (Kappe)                   | Edelstahl                                               |                                       |
| 28         |               | Kappe, geschlossen (Fig. 966)           | SA216WCC                                                | SA351CF8M                             |
| 29         |               | Kappe, offen (Fig. 969)                 | Grauguss                                                | --                                    |
| 30         |               | Kappe, gasdicht (Fig. 968)              | SA216WCC                                                | SA351CF8M                             |
| 35         |               | Anlüftgabel                             | SA216WCC                                                | SA351CF8M                             |
| 36         |               | Hebel                                   | Grauguss                                                |                                       |
| 37         |               | Druckfeder                              | Chrome vanadium (bis +650°F) / Inconel X750 (optional)  | SA313Gr.316 / Inconel X750 (optional) |
| 41         |               | Hebel, offen (Excenter-Hebel)           | Grauguss                                                |                                       |
| 71         | x             | Flachdichtung (Verschlusschraube)       | Edelstahl                                               |                                       |
| 72         |               | Verschlusschraube                       | SA479Gr.316L                                            |                                       |
| 74         |               | Klemmplatte                             | SA479Gr.316L                                            |                                       |
| 75         | x             | O-Ring                                  | Viton                                                   |                                       |
| 77         |               | Halteschraube                           | SA479Gr.304L                                            |                                       |
|            | ↳ Ersatzteile |                                         |                                                         |                                       |

Angaben / Einschränkungen der Regelwerke sind zu beachten!

Das Einsatzgebiet der Armatur unterliegt der Verantwortung des Anlagenplaners bzw. -betreibers.

Beständigkeit und Eignung sind zu prüfen und beim Hersteller anzufragen (siehe Produktübersicht und Beständigkeitsliste).

## RL14: Kenndaten - Fläche 0,078 in<sup>2</sup> - Orifice A (nicht nach API)

| Ven-<br>tilgröße                                                 | Werkstoff          | Anschluss<br>ANSI std.<br>(RF oder RTJ) | Max. Ansprechdrücke |          |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |                   |        |        | Gewicht |      |     |
|------------------------------------------------------------------|--------------------|-----------------------------------------|---------------------|----------|-------------------|-----------------------------------------------------|-------------------|-------------------|--------|--------|---------|------|-----|
|                                                                  |                    |                                         |                     |          |                   |                                                     | I                 | I1                | Max. H | Min. X |         |      |     |
| inch                                                             | Gehäuse &<br>Haube | Feder                                   | Eingang             | Ausgang  | psig bei<br>100°F | psig bei<br>400°F                                   | psig bei<br>750°F | psig bei<br>100°F | inch   | inch   | inch    | inch | lbs |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |                                         |                     |          |                   |                                                     |                   |                   |        |        |         |      |     |
| 1/2 x 1                                                          | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 3/4 x 1                                                          | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 1 x 1                                                            | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,40   | 10,30   | 3    | 4,3 |

|                                                              |          |               |          |          |      |      |      |     |      |      |      |   |     |
|--------------------------------------------------------------|----------|---------------|----------|----------|------|------|------|-----|------|------|------|---|-----|
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT</b> |          |               |          |          |      |      |      |     |      |      |      |   |     |
| 1/2 x 1                                                      | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 3/4 x 1                                                      | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 1 x 1                                                        | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |

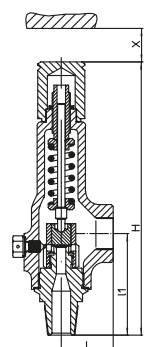
|                                                      |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|------------------------------------------------------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißmuffe / Ausgang: Schweißmuffe</b> |          |               |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                              | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                              | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |
| 1 x 1                                                | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |

|                                                     |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|-----------------------------------------------------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißende / Ausgang: Schweißmuffe</b> |          |               |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                             | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                             | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |
| 1 x 1                                               | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |

|                                            |          |               |         |        |      |      |      |     |      |      |       |   |      |
|--------------------------------------------|----------|---------------|---------|--------|------|------|------|-----|------|------|-------|---|------|
| <b>Eingang: Flansch / Ausgang: Flansch</b> |          |               |         |        |      |      |      |     |      |      |       |   |      |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,65 | 11,56 | 3 | 9,0  |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,65 | 11,56 | 3 | 10,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,65 | 11,56 | 3 | 12,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,09 | 12,0  | 3 | 15,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,09 | 12,00 | 3 | 15,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |

### Hinweise

- Ventile unter 15 psig sind nicht ASME Code gestempelt
- Für Temperaturen über 650°F sind Druckfedern aus Inconel erforderlich
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen



**RL14: Kenndaten - Fläche 0,078 in<sup>2</sup> - Orifice A** (nicht nach API)

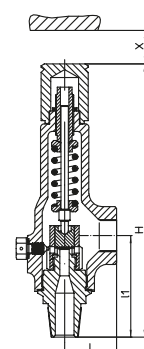
| Ventilgröße                                                      | Werkstoff       | Anschluss<br>ANSI std.<br>(RF oder RTJ) | Max. Ansprechdrücke |          |                | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |                |        |        | Gewicht |      |     |
|------------------------------------------------------------------|-----------------|-----------------------------------------|---------------------|----------|----------------|-----------------------------------------------------|-------------------|----------------|--------|--------|---------|------|-----|
|                                                                  |                 |                                         |                     |          |                |                                                     | I                 | I1             | Max. H | Min. X |         |      |     |
| inch                                                             | Gehäuse & Haube | Feder                                   | Eingang             | Ausgang  | psig bei 100°F | psig bei 400°F                                      | psig bei 750°F    | psig bei 100°F | inch   | inch   | inch    | inch | lbs |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                 |                                         |                     |          |                |                                                     |                   |                |        |        |         |      |     |
| 1/2 x 1                                                          | SA351CF8M       | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900           | 2570                                                | 2135              | 400            | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 3/4 x 1                                                          | SA351CF8M       | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900           | 2570                                                | 2135              | 400            | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 1 x 1                                                            | SA351CF8M       | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900           | 2570                                                | 2135              | 400            | 1,85   | 3,40   | 10,30   | 3    | 4,3 |

|                                                              |           |             |          |          |      |      |      |     |      |      |      |   |     |
|--------------------------------------------------------------|-----------|-------------|----------|----------|------|------|------|-----|------|------|------|---|-----|
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT</b> |           |             |          |          |      |      |      |     |      |      |      |   |     |
| 1/2 x 1                                                      | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 3/4 x 1                                                      | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 1 x 1                                                        | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |

|                                                      |           |             |      |      |      |      |      |     |                   |  |  |  |  |
|------------------------------------------------------|-----------|-------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißmuffe / Ausgang: Schweißmuffe</b> |           |             |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                              | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                              | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |
| 1 x 1                                                | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |

|                                                     |           |             |      |      |      |      |      |     |                   |  |  |  |  |
|-----------------------------------------------------|-----------|-------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißende / Ausgang: Schweißmuffe</b> |           |             |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                             | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                             | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |
| 1 x 1                                               | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |

|                                            |           |             |         |        |      |      |      |     |      |      |       |   |      |
|--------------------------------------------|-----------|-------------|---------|--------|------|------|------|-----|------|------|-------|---|------|
| <b>Eingang: Flansch / Ausgang: Flansch</b> |           |             |         |        |      |      |      |     |      |      |       |   |      |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,65 | 11,56 | 3 | 9,0  |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,65 | 11,56 | 3 | 10,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,65 | 11,56 | 3 | 12,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,09 | 12,0  | 3 | 15,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,09 | 12,00 | 3 | 15,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |


**Hinweise**

- Ventile unter 15 psig sind nicht ASME Code gestempelt.
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen

## RL14: Kenndaten - Fläche 0,122 in<sup>2</sup> - Orifice D (nicht nach API)

| Ven-<br>tilgröße                                                 | Werkstoff          | Anschluss<br>ANSI std.<br>(RF oder RTJ) | Max. Ansprechdrücke |          |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |                   |        |        | Gewicht |      |     |
|------------------------------------------------------------------|--------------------|-----------------------------------------|---------------------|----------|-------------------|-----------------------------------------------------|-------------------|-------------------|--------|--------|---------|------|-----|
|                                                                  |                    |                                         |                     |          |                   |                                                     | I                 | I1                | Max. H | Min. X |         |      |     |
| inch                                                             | Gehäuse &<br>Haube | Feder                                   | Eingang             | Ausgang  | psig bei<br>100°F | psig bei<br>400°F                                   | psig bei<br>750°F | psig bei<br>100°F | inch   | inch   | inch    | inch | lbs |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |                                         |                     |          |                   |                                                     |                   |                   |        |        |         |      |     |
| 1/2 x 1                                                          | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 3/4 x 1                                                          | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 1 x 1                                                            | SA216WCC           | Chrome vanad.                           | 1500 NPT            | 1500 NPT | 2900              | 2900                                                | 2535              | 400               | 1,85   | 3,40   | 10,30   | 3    | 4,3 |

|                                                              |          |               |          |          |      |      |      |     |      |      |      |   |     |
|--------------------------------------------------------------|----------|---------------|----------|----------|------|------|------|-----|------|------|------|---|-----|
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT</b> |          |               |          |          |      |      |      |     |      |      |      |   |     |
| 1/2 x 1                                                      | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 3/4 x 1                                                      | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 1 x 1                                                        | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 2900 | 2900 | 2535 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |

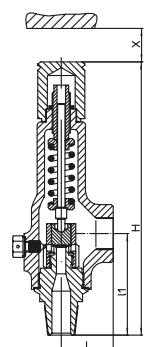
|                                                      |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|------------------------------------------------------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißmuffe / Ausgang: Schweißmuffe</b> |          |               |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                              | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                              | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |
| 1 x 1                                                | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |

|                                                     |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|-----------------------------------------------------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißende / Ausgang: Schweißmuffe</b> |          |               |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                             | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                             | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |
| 1 x 1                                               | SA216WCC | Chrome vanad. | 1500 | 1500 | 2900 | 2900 | 2535 | 400 |                   |  |  |  |  |

|                                            |          |               |         |        |      |      |      |     |      |      |       |   |      |
|--------------------------------------------|----------|---------------|---------|--------|------|------|------|-----|------|------|-------|---|------|
| <b>Eingang: Flansch / Ausgang: Flansch</b> |          |               |         |        |      |      |      |     |      |      |       |   |      |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,65 | 11,56 | 3 | 9,0  |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,65 | 11,56 | 3 | 10,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,65 | 11,56 | 3 | 12,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,09 | 12,0  | 3 | 15,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |
| 1/2 x 1                                    | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,09 | 12,00 | 3 | 15,0 |
| 3/4 x 1                                    | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 2900 | 2900 | 2535 | 400 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |

### Hinweise

1. Ventile unter 15 psig sind nicht ASME Code gestempelt
2. Für Temperaturen über 650°F sind Druckfedern aus Inconel erforderlich
3. Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen





**RL14: Kenndaten - Fläche 0,122 in<sup>2</sup> - Orifice D** (nicht nach API)

| Ven-<br>tilgröße                                                 | Werkstoff          | Anschluss<br>ANSI std.<br>(RF oder RTJ) | Max. Ansprechdrücke |          |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |                   |        |        | Gewicht |      |     |
|------------------------------------------------------------------|--------------------|-----------------------------------------|---------------------|----------|-------------------|-----------------------------------------------------|-------------------|-------------------|--------|--------|---------|------|-----|
|                                                                  |                    |                                         |                     |          |                   |                                                     | I                 | I1                | Max. H | Min. X |         |      |     |
| inch                                                             | Gehäuse &<br>Haube | Feder                                   | Eingang             | Ausgang  | psig bei<br>100°F | psig bei<br>400°F                                   | psig bei<br>750°F | psig bei<br>100°F | inch   | inch   | inch    | inch | lbs |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |                                         |                     |          |                   |                                                     |                   |                   |        |        |         |      |     |
| 1/2 x 1                                                          | SA351CF8M          | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900              | 2570                                                | 2135              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900              | 2570                                                | 2135              | 400               | 1,85   | 3,15   | 10,05   | 3    | 4,3 |
| 1 x 1                                                            | SA351CF8M          | SA313Gr.316                             | 1500 NPT            | 1500 NPT | 2900              | 2570                                                | 2135              | 400               | 1,85   | 3,40   | 10,30   | 3    | 4,3 |

|                                                              |           |             |          |          |      |      |      |     |      |      |      |   |     |
|--------------------------------------------------------------|-----------|-------------|----------|----------|------|------|------|-----|------|------|------|---|-----|
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT</b> |           |             |          |          |      |      |      |     |      |      |      |   |     |
| 1/2 x 1                                                      | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 3/4 x 1                                                      | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |
| 1 x 1                                                        | SA351CF8M | SA313Gr.316 | 1500 NPT | 1500 NPT | 2900 | 2570 | 2135 | 400 | 1,85 | 2,63 | 9,49 | 3 | 4,3 |

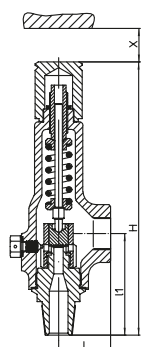
|                                                      |           |             |      |      |      |      |      |     |                   |  |  |  |  |
|------------------------------------------------------|-----------|-------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißmuffe / Ausgang: Schweißmuffe</b> |           |             |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                              | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                              | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |
| 1 x 1                                                | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |

|                                                     |           |             |      |      |      |      |      |     |                   |  |  |  |  |
|-----------------------------------------------------|-----------|-------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| <b>Eingang: Schweißende / Ausgang: Schweißmuffe</b> |           |             |      |      |      |      |      |     |                   |  |  |  |  |
| 1/2 x 1                                             | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 | nach Kundenwunsch |  |  |  |  |
| 3/4 x 1                                             | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |
| 1 x 1                                               | SA351CF8M | SA313Gr.316 | 1500 | 1500 | 2900 | 2570 | 2135 | 400 |                   |  |  |  |  |

|                                            |           |             |         |        |      |      |      |     |      |      |       |   |      |
|--------------------------------------------|-----------|-------------|---------|--------|------|------|------|-----|------|------|-------|---|------|
| <b>Eingang: Flansch / Ausgang: Flansch</b> |           |             |         |        |      |      |      |     |      |      |       |   |      |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,65 | 11,56 | 3 | 9,0  |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 150 RF  | 150 RF | 275  | 195  | 95   | 275 | 3,97 | 4,72 | 11,56 | 3 | 9,0  |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,65 | 11,56 | 3 | 10,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 300 RF  | 150 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 10,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 300 RF  | 300 RF | 720  | 515  | 425  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,65 | 11,56 | 3 | 11,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 600 RF  | 150 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 11,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,65 | 11,56 | 3 | 12,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 600 RF  | 300 RF | 1440 | 1025 | 855  | 275 | 3,97 | 4,72 | 11,56 | 3 | 12,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,09 | 12,0  | 3 | 15,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 900 RF  | 300 RF | 2160 | 1540 | 1280 | 275 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |
| 1/2 x 1                                    | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,09 | 12,00 | 3 | 15,0 |
| 3/4 x 1                                    | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,59 | 12,50 | 3 | 15,0 |
| 1 x 1                                      | SA351CF8M | SA313Gr.316 | 1500 RF | 300 RF | 2900 | 2570 | 2135 | 400 | 3,97 | 5,72 | 12,56 | 3 | 15,0 |

**Hinweise**

- Ventile unter 15 psig sind nicht ASME Code gestempelt.
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen



## RL40: Kenndaten - Fläche 0,152 in<sup>2</sup> - Orifice B (nicht nach API)

| Ven-<br>tilgröße | Werkstoff          |       | Anschluss<br>ANSI std.<br>(RF oder RTJ) |         | Max. Ansprechdrücke |                   |                   |                   | Ventilabmessungen |      |        |        | Gewicht |
|------------------|--------------------|-------|-----------------------------------------|---------|---------------------|-------------------|-------------------|-------------------|-------------------|------|--------|--------|---------|
|                  |                    |       |                                         |         |                     |                   |                   |                   | I                 | I1   | Max. H | Min. X |         |
| inch             | Gehäuse &<br>Haube | Feder | Eingang                                 | Ausgang | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F | inch              | inch | inch   | inch   | lbs     |

### Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)

|         |          |               |          |          |      |      |      |     |      |      |       |   |    |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|------|-------|---|----|
| 3/4 x 1 | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 3000 | 3000 | 2535 | 400 | 2,88 | 3,62 | 15,49 | 6 | 15 |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|------|-------|---|----|

### Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT

|         |          |               |          |          |      |      |      |     |      |     |       |   |    |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|-----|-------|---|----|
| 3/4 x 1 | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 3000 | 3000 | 2535 | 400 | 2,88 | 4,0 | 15,89 | 6 | 16 |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|-----|-------|---|----|

### Eingang: Schweißmuffe / Ausgang: Schweißmuffe

|         |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|---------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| 3/4 x 1 | SA216WCC | Chrome vanad. | 1500 | 1500 | 3000 | 3000 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
|---------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|

### Eingang: Schweißende / Ausgang: Schweißmuffe

|         |          |               |      |      |      |      |      |     |                   |  |  |  |  |
|---------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|
| 3/4 x 1 | SA216WCC | Chrome vanad. | 1500 | 1500 | 3000 | 3000 | 2535 | 400 | nach Kundenwunsch |  |  |  |  |
|---------|----------|---------------|------|------|------|------|------|-----|-------------------|--|--|--|--|

### Eingang: Flansch / Ausgang: Flansch

|         |          |               |         |        |      |      |      |     |     |      |       |   |    |
|---------|----------|---------------|---------|--------|------|------|------|-----|-----|------|-------|---|----|
| 3/4 x 1 | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 5,0 | 5,75 | 17,88 | 6 | 21 |
| 3/4 x 1 | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 5,0 | 5,75 | 17,88 | 6 | 21 |
| 3/4 x 1 | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 5,0 | 5,75 | 17,88 | 6 | 21 |
| 3/4 x 1 | SA216WCC | Chrome vanad. | 900 RF  | 300 RF | 2250 | 2110 | 1520 | 290 | 5,0 | 6,62 | 18,75 | 6 | 27 |
| 3/4 x 1 | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 3000 | 3000 | 2535 | 400 | 5,0 | 6,62 | 18,75 | 6 | 27 |

## RL41: Kenndaten - Fläche 0,152 in<sup>2</sup> - Orifice B (nicht nach API)

| Ven-<br>tilgröße | Werkstoff          |       | Anschluss<br>ANSI std.<br>(RF oder RTJ) |         | Max. Ansprechdrücke |                   |                   |                   | Ventilabmessungen |      |        |        | Gewicht |
|------------------|--------------------|-------|-----------------------------------------|---------|---------------------|-------------------|-------------------|-------------------|-------------------|------|--------|--------|---------|
|                  |                    |       |                                         |         |                     |                   |                   |                   | I                 | I1   | Max. H | Min. X |         |
| inch             | Gehäuse &<br>Haube | Feder | Eingang                                 | Ausgang | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F | inch              | inch | inch   | inch   | lbs     |

### Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)

|         |          |               |          |          |      |      |      |     |      |     |       |   |    |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|-----|-------|---|----|
| 3/4 x 2 | SA216WCC | Chrome vanad. | 2500 NPT | 2500 NPT | 5000 | 5000 | 4230 | 400 | 2,88 | 4,0 | 17,35 | 6 | 15 |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|-----|-------|---|----|

### Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT

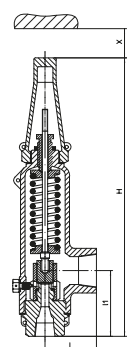
|         |          |               |          |          |      |      |      |     |      |      |       |   |    |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|------|-------|---|----|
| 3/4 x 2 | SA216WCC | Chrome vanad. | 2500 NPT | 2500 NPT | 5000 | 5000 | 4230 | 400 | 2,88 | 4,38 | 17,75 | 6 | 16 |
|---------|----------|---------------|----------|----------|------|------|------|-----|------|------|-------|---|----|

### Eingang: Flansch / Ausgang: Flansch

|         |          |               |         |        |      |      |      |     |      |      |       |   |    |
|---------|----------|---------------|---------|--------|------|------|------|-----|------|------|-------|---|----|
| 3/4 x 2 | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 3750 | 3520 | 2535 | 400 | 5,38 | 5,38 | 18,88 | 6 | 27 |
| 3/4 x 2 | SA216WCC | Chrome vanad. | 2500 RF | 300 RF | 5000 | 5000 | 4230 | 400 | 5,62 | 5,38 | 19,12 | 6 | 31 |

### Hinweise

1. Ventile unter 15 psig sind nicht ASME Code gestempelt
2. Für Temperaturen über 650°F sind Druckfedern aus Inconel erforderlich.
3. Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen





**RL40: Kenndaten - Fläche 0,152 in<sup>2</sup> - Orifice B** (nicht nach API)

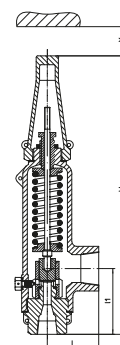
| Ventilgröße                                                      | Werkstoff          |             | Anschluss<br>ANSI std.<br>(RF oder RTJ) |          | Max. Ansprechdrücke |                   |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |      |        |        | Gewicht |
|------------------------------------------------------------------|--------------------|-------------|-----------------------------------------|----------|---------------------|-------------------|-------------------|-----------------------------------------------------|-------------------|------|--------|--------|---------|
|                                                                  |                    |             |                                         |          |                     |                   |                   |                                                     | I                 | I1   | Max. H | Min. X |         |
| inch                                                             | Gehäuse &<br>Haube | Feder       | Eingang                                 | Ausgang  | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F                                   | inch              | inch | inch   | inch   | lbs     |
| Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 3000                | 2570              | 2135              | 400                                                 | 2,88              | 3,62 | 15,49  | 6      | 15      |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT            |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 3000                | 2570              | 2135              | 400                                                 | 2,88              | 4,0  | 15,89  | 6      | 16      |
| Eingang: Schweißmuffe / Ausgang: Schweißmuffe                    |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 1500                                    | 1500     | 3000                | 2570              | 2135              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Schweißende / Ausgang: Schweißmuffe                     |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 1500                                    | 1500     | 3000                | 2570              | 2135              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Flansch / Ausgang: Flansch                              |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 150 RF                                  | 150 RF   | 275                 | 195               | 95                | 275                                                 | 5,0               | 5,75 | 17,88  | 6      | 21      |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 150 RF   | 720                 | 515               | 425               | 275                                                 | 5,0               | 5,75 | 17,88  | 6      | 21      |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 600 RF                                  | 150 RF   | 1440                | 1025              | 855               | 275                                                 | 5,0               | 5,75 | 17,88  | 6      | 21      |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 900 RF                                  | 300 RF   | 2160                | 1540              | 1280              | 275                                                 | 5,0               | 6,62 | 18,75  | 6      | 27      |
| 3/4 x 1                                                          | SA351CF8M          | SA313Gr.316 | 1500 RF                                 | 300 RF   | 3000                | 2570              | 2135              | 400                                                 | 5,0               | 6,62 | 18,75  | 6      | 27      |

**RL41: Kenndaten - Fläche 0,152 in<sup>2</sup> - Orifice B** (nicht nach API)

| Ventilgröße                                                             | Werkstoff       |             | Anschluss ANSI std. (RF oder RTJ) |          | Max. Ansprechdrücke |                |                | Max. Ausgangs-Flanschbelastung (4) | Ventilabmessungen |      |        |        | Gewicht |
|-------------------------------------------------------------------------|-----------------|-------------|-----------------------------------|----------|---------------------|----------------|----------------|------------------------------------|-------------------|------|--------|--------|---------|
|                                                                         |                 |             |                                   |          |                     |                |                |                                    | I                 | I1   | Max. H | Min. X |         |
| inch                                                                    | Gehäuse & Haube | Feder       | Eingang                           | Ausgang  | psig bei 100°F      | psig bei 400°F | psig bei 750°F | psig bei 100°F                     | inch              | inch | inch   | inch   | lbs     |
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)</b> |                 |             |                                   |          |                     |                |                |                                    |                   |      |        |        |         |
| 3/4 x 2                                                                 | SA351CF8M       | SA313Gr.316 | 2500 NPT                          | 2500 NPT | 5000                | 4280           | 3560           | 400                                | 2,88              | 4,0  | 17,35  | 6      | 15      |
| <b>Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT</b>            |                 |             |                                   |          |                     |                |                |                                    |                   |      |        |        |         |
| 3/4 x 2                                                                 | SA351CF8M       | SA313Gr.316 | 2500 NPT                          | 2500 NPT | 5000                | 4280           | 3560           | 400                                | 2,88              | 4,38 | 17,75  | 6      | 16      |
| <b>Eingang: Flansch / Ausgang: Flansch</b>                              |                 |             |                                   |          |                     |                |                |                                    |                   |      |        |        |         |
| 3/4 x 2                                                                 | SA351CF8M       | SA313Gr.316 | 1500 RF                           | 300 RF   | 3600                | 2570           | 2135           | 400                                | 5,38              | 5,38 | 18,88  | 6      | 27      |
| 3/4 x 2                                                                 | SA351CF8M       | SA313Gr.316 | 2500 RF                           | 300 RF   | 5000                | 4280           | 3560           | 400                                | 5,62              | 5,38 | 19,12  | 6      | 31      |

**Hinweise**

- Ventile unter 15 psig sind nicht ASME Code gestempelt.
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen



## RL40: Kenndaten - Fläche 0,235 in<sup>2</sup> - Orifice C (nicht nach API)

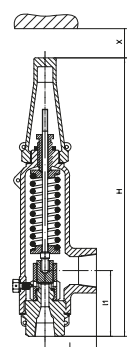
| Ven-<br>tilgröße                                                 | Werkstoff          |                | Anschluss<br>ANSI std.<br>(RF oder RTJ) |          | Max. Ansprechdrücke |                   |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |      |        |        | Gewicht |
|------------------------------------------------------------------|--------------------|----------------|-----------------------------------------|----------|---------------------|-------------------|-------------------|-----------------------------------------------------|-------------------|------|--------|--------|---------|
|                                                                  |                    |                |                                         |          |                     |                   |                   |                                                     | I                 | I1   | Max. H | Min. X |         |
| inch                                                             | Gehäuse &<br>Haube | Feder          | Eingang                                 | Ausgang  | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F                                   | inch              | inch | inch   | inch   | lbs     |
| Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |                |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 1500 NPT                                | 1500 NPT | 2000                | 2000              | 2000              | 400                                                 | 2,88              | 3,62 | 15,49  | 6      | 15      |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT            |                    |                |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 1500 NPT                                | 1500 NPT | 2000                | 2000              | 2000              | 400                                                 | 2,88              | 3,62 | 15,49  | 6      | 15      |
| Eingang: Schweißmuffe / Ausgang: Schweißmuffe                    |                    |                |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 1500                                    | 1500     | 2000                | 2000              | 2000              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Schweißende / Ausgang: Schweißmuffe                     |                    |                |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 1500                                    | 1500     | 2000                | 2000              | 2000              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Flansch / Ausgang: Flansch                              |                    |                |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 150 RF                                  | 150 RF   | 290                 | 200               | 95                | 290                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 300 RF                                  | 150 RF   | 750                 | 705               | 505               | 290                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 300 RF                                  | 300 RF   | 750                 | 705               | 505               | 290                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.  | 600 RF                                  | 150 RF   | 1500                | 1405              | 1015              | 290                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA216WCC           | Chrome vanad.. | 1500 RF                                 | 300 RF   | 2000                | 2000              | 2000              | 400                                                 | 5,38              | 6,62 | 18,75  | 6      | 29      |

## RL41: Kenndaten - Fläche 0,235 in<sup>2</sup> - Orifice C (nicht nach API)

| Ven-<br>tilgröße                                                        | Werkstoff          |               | Anschluss<br>ANSI std.<br>(RF oder RTJ) |          | Max. Ansprechdrücke |                   |                   |                   | Ventilabmessungen |      |        |        | Gewicht |
|-------------------------------------------------------------------------|--------------------|---------------|-----------------------------------------|----------|---------------------|-------------------|-------------------|-------------------|-------------------|------|--------|--------|---------|
|                                                                         |                    |               |                                         |          |                     |                   |                   |                   | I                 | I1   | Max. H | Min. X |         |
| inch                                                                    | Gehäuse &<br>Haube | Feder         | Eingang                                 | Ausgang  | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F | inch              | inch | inch   | inch   | lbs     |
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)</b> |                    |               |                                         |          |                     |                   |                   |                   |                   |      |        |        |         |
| 1 x 2                                                                   | SA216WCC           | Chrome vanad. | 2500 NPT                                | 2500 NPT | 3000                | 3000              | 3000              | 400               | 2,88              | 4,0  | 17,35  | 6      | 15      |
| <b>Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT</b>            |                    |               |                                         |          |                     |                   |                   |                   |                   |      |        |        |         |
| 1 x 2                                                                   | SA216WCC           | Chrome vanad. | 2500 NPT                                | 2500 NPT | 3000                | 3000              | 3000              | 400               | 2,88              | 4,38 | 17,75  | 6      | 16      |
| <b>Eingang: Flansch / Ausgang: Flansch</b>                              |                    |               |                                         |          |                     |                   |                   |                   |                   |      |        |        |         |
| 1 x 2                                                                   | SA216WCC           | Chrome vanad. | 900 RF                                  | 300 RF   | 2250                | 2110              | 1520              | 290               | 5,38              | 5,38 | 18,88  | 6      | 27      |
| 1 x 2                                                                   | SA216WCC           | Chrome vanad. | 1500 RF                                 | 300 RF   | 3000                | 3000              | 2535              | 400               | 5,62              | 5,38 | 19,12  | 6      | 31      |
| 1 x 2                                                                   | SA216WCC           | Chrome vanad. | 2500 RF                                 | 300 RF   | 3000                | 3000              | 3000              | 400               | 5,62              | 5,38 | 19,12  | 6      | 31      |

### Hinweise

1. Ventile unter 15 psig sind nicht ASME Code gestempelt
2. Für Temperaturen über 650°F sind Druckfedern aus Inconel erforderlich
3. Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen

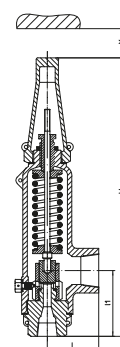


**RL40: Kenndaten - Fläche 0,235 in<sup>2</sup> - Orifice C** (nicht nach API)

| Ventilgröße                                                      | Werkstoff          |             | Anschluss<br>ANSI std.<br>(RF oder RTJ) |          | Max. Ansprechdrücke |                   |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |      |        |        | Gewicht |
|------------------------------------------------------------------|--------------------|-------------|-----------------------------------------|----------|---------------------|-------------------|-------------------|-----------------------------------------------------|-------------------|------|--------|--------|---------|
|                                                                  |                    |             |                                         |          |                     |                   |                   |                                                     | I                 | I1   | Max. H | Min. X |         |
| inch                                                             | Gehäuse &<br>Haube | Feder       | Eingang                                 | Ausgang  | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F                                   | inch              | inch | inch   | inch   | lbs     |
| Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 2000                | 2000              | 2000              | 400                                                 | 2,88              | 3,62 | 15,49  | 6      | 15      |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT            |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 2000                | 2000              | 2000              | 400                                                 | 2,88              | 3,62 | 15,49  | 6      | 16      |
| Eingang: Schweißmuffe / Ausgang: Schweißmuffe                    |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 1500                                    | 1500     | 2000                | 2000              | 2000              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Schweißende / Ausgang: Schweißmuffe                     |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 1500                                    | 1500     | 2000                | 2000              | 2000              | 400                                                 | nach Kundenwunsch |      |        |        |         |
| Eingang: Flansch / Ausgang: Flansch                              |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 150 RF                                  | 150 RF   | 275                 | 195               | 95                | 275                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 150 RF   | 720                 | 515               | 425               | 275                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 300 RF   | 720                 | 515               | 425               | 275                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 600 RF                                  | 150 RF   | 1440                | 1025              | 855               | 275                                                 | 5,38              | 5,75 | 17,88  | 6      | 23      |
| 1 x 1 1/2                                                        | SA351CF8M          | SA313Gr.316 | 1500 RF                                 | 300 RF   | 2000                | 2000              | 2000              | 400                                                 | 5,38              | 6,62 | 18,75  | 6      | 29      |

**RL41: Kenndaten - Fläche 0,235 in<sup>2</sup> - Orifice C** (nicht nach API)

| Ventilgröße                                                             | Werkstoff       |             | Anschluss ANSI std. (RF oder RTJ) |          | Max. Ansprechdrücke |                |                |                | Ventilabmessungen |      |        |        | Gewicht |
|-------------------------------------------------------------------------|-----------------|-------------|-----------------------------------|----------|---------------------|----------------|----------------|----------------|-------------------|------|--------|--------|---------|
|                                                                         |                 |             |                                   |          |                     |                |                |                | I                 | I1   | Max. H | Min. X |         |
| inch                                                                    | Gehäuse & Haube | Feder       | Eingang                           | Ausgang  | psig bei 100°F      | psig bei 400°F | psig bei 750°F | psig bei 100°F | inch              | inch | inch   | inch   | lbs     |
| <b>Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)</b> |                 |             |                                   |          |                     |                |                |                |                   |      |        |        |         |
| 1 x 2                                                                   | SA351CF8M       | SA313Gr.316 | 2500 NPT                          | 2500 NPT | 3000                | 3000           | 3000           | 400            | 2,88              | 4,0  | 17,35  | 6      | 15      |
| <b>Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT</b>            |                 |             |                                   |          |                     |                |                |                |                   |      |        |        |         |
| 1 x 2                                                                   | SA351CF8M       | SA313Gr.316 | 2500 NPT                          | 2500 NPT | 3000                | 3000           | 3000           | 400            | 2,88              | 4,38 | 17,75  | 6      | 16      |
| <b>Eingang: Flansch / Ausgang: Flansch</b>                              |                 |             |                                   |          |                     |                |                |                |                   |      |        |        |         |
| 1 x 2                                                                   | SA351CF8M       | SA313Gr.316 | 900 RF                            | 300 RF   | 2160                | 1540           | 1280           | 275            | 5,38              | 5,38 | 18,88  | 6      | 27      |
| 1 x 2                                                                   | SA351CF8M       | SA313Gr.316 | 1500 RF                           | 300 RF   | 3000                | 2570           | 2135           | 400            | 5,38              | 5,38 | 18,88  | 6      | 29      |
| 1 x 2                                                                   | SA351CF8M       | SA313Gr.316 | 2500 RF                           | 300 RF   | 3000                | 3000           | 3000           | 400            | 5,62              | 5,38 | 19,12  | 6      | 31      |


**Hinweise**

- Ventile unter 15 psig sind nicht ASME Code gestempelt.
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen

## RL40: Kenndaten - Fläche 0,563 in<sup>2</sup> - Orifice G (nicht nach API)

| Ven-<br>tilgröße | Werkstoff          |       | Anschluss<br>ANSI std.<br>(RF oder RTJ) |         | Max. Ansprechdrücke |                   |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |      |        |        | Gewicht |
|------------------|--------------------|-------|-----------------------------------------|---------|---------------------|-------------------|-------------------|-----------------------------------------------------|-------------------|------|--------|--------|---------|
|                  |                    |       |                                         |         |                     |                   |                   |                                                     | I                 | I1   | Max. H | Min. X |         |
| inch             | Gehäuse &<br>Haube | Feder | Eingang                                 | Ausgang | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F                                   | inch              | inch | inch   | inch   | lbs     |

### Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard)

|           |          |               |          |          |      |      |      |     |      |     |       |   |    |
|-----------|----------|---------------|----------|----------|------|------|------|-----|------|-----|-------|---|----|
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 1500 | 1500 | 1500 | 400 | 2,88 | 4,0 | 17,35 | 6 | 24 |
| 2 x 2     | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 1500 | 1500 | 1500 | 400 | 2,88 | 4,0 | 17,35 | 6 | 24 |

### Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT

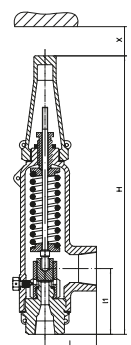
|           |          |               |          |          |      |      |      |     |      |      |       |   |    |
|-----------|----------|---------------|----------|----------|------|------|------|-----|------|------|-------|---|----|
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 1500 | 1500 | 1500 | 400 | 2,88 | 4,38 | 17,75 | 6 | 25 |
| 2 x 2     | SA216WCC | Chrome vanad. | 1500 NPT | 1500 NPT | 1500 | 1500 | 1500 | 400 | 2,88 | 4,38 | 17,75 | 6 | 25 |

### Eingang: Flansch / Ausgang: Flansch

|           |          |               |         |        |      |      |      |     |      |      |       |   |    |
|-----------|----------|---------------|---------|--------|------|------|------|-----|------|------|-------|---|----|
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 5,62 | 6,5  | 20,12 | 6 | 35 |
| 2 x 2     | SA216WCC | Chrome vanad. | 150 RF  | 150 RF | 290  | 200  | 95   | 290 | 5,62 | 6,75 | 20,38 | 6 | 37 |
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 5,62 | 6,5  | 20,12 | 6 | 35 |
| 2 x 2     | SA216WCC | Chrome vanad. | 300 RF  | 150 RF | 750  | 705  | 505  | 290 | 5,62 | 6,75 | 20,38 | 6 | 43 |
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 300 RF  | 300 RF | 750  | 705  | 505  | 290 | 5,62 | 6,5  | 20,12 | 6 | 41 |
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 5,62 | 6,5  | 20,12 | 6 | 41 |
| 2 x 2     | SA216WCC | Chrome vanad. | 600 RF  | 150 RF | 1500 | 1405 | 1015 | 290 | 5,62 | 6,75 | 20,38 | 6 | 43 |
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 600 RF  | 300 RF | 1500 | 1405 | 1015 | 290 | 5,62 | 6,5  | 20,12 | 6 | 35 |
| 1 1/2 x 2 | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 1500 | 1500 | 1500 | 400 | 5,62 | 7,38 | 20,99 | 6 | 47 |
| 2 x 2     | SA216WCC | Chrome vanad. | 1500 RF | 300 RF | 1500 | 1500 | 1500 | 400 | 5,62 | 7,62 | 21,25 | 6 | 49 |

### Hinweise

1. Ventile unter 15 psig sind nicht ASME Code gestempelt
2. Für Temperaturen über 650°F sind Druckfedern aus Inconel erforderlich
3. Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen

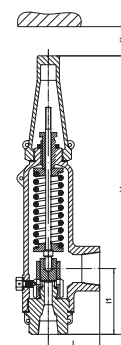


**RL40: Kenndaten - Fläche 0,563 in<sup>2</sup> - Orifice G** (nicht nach API)

| Ven-<br>tilgröße                                                 | Werkstoff          |             | Anschluss<br>ANSI std.<br>(RF oder RTJ) |          | Max. Ansprechdrücke |                   |                   | Max. Aus-<br>gangs-<br>Flansch-<br>belastung<br>(4) | Ventilabmessungen |      |        |        | Gewicht |
|------------------------------------------------------------------|--------------------|-------------|-----------------------------------------|----------|---------------------|-------------------|-------------------|-----------------------------------------------------|-------------------|------|--------|--------|---------|
|                                                                  |                    |             |                                         |          |                     |                   |                   |                                                     | I                 | I1   | Max. H | Min. X |         |
| inch                                                             | Gehäuse &<br>Haube | Feder       | Eingang                                 | Ausgang  | psig bei<br>100°F   | psig bei<br>400°F | psig bei<br>750°F | psig bei<br>100°F                                   | inch              | inch | inch   | inch   | lbs     |
| Eingang: Innengewinde NPT / Ausgang: Innengewinde NPT (Standard) |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 1500                | 1500              | 1500              | 400                                                 | 2,88              | 4,0  | 17,35  | 6      | 24      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 1500                | 1500              | 1500              | 400                                                 | 2,88              | 4,0  | 17,35  | 6      | 24      |
| Eingang: Außengewinde NPT / Ausgang: Innengewinde NPT            |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 1500                | 1500              | 1500              | 400                                                 | 2,88              | 4,38 | 17,75  | 6      | 25      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 1500 NPT                                | 1500 NPT | 1500                | 1500              | 1500              | 400                                                 | 2,88              | 4,38 | 17,75  | 6      | 25      |
| Eingang: Flansch / Ausgang: Flansch                              |                    |             |                                         |          |                     |                   |                   |                                                     |                   |      |        |        |         |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 150 RF                                  | 150 RF   | 275                 | 195               | 95                | 275                                                 | 5,62              | 6,5  | 20,12  | 6      | 35      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 150 RF                                  | 150 RF   | 275                 | 195               | 95                | 275                                                 | 5,62              | 6,75 | 20,38  | 6      | 37      |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 150 RF   | 720                 | 515               | 425               | 275                                                 | 5,62              | 6,5  | 20,12  | 6      | 35      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 150 RF   | 720                 | 515               | 425               | 275                                                 | 5,62              | 6,75 | 20,38  | 6      | 43      |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 300 RF                                  | 300 RF   | 720                 | 515               | 425               | 275                                                 | 5,62              | 6,5  | 20,12  | 6      | 41      |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 600 RF                                  | 150 RF   | 1440                | 1025              | 855               | 275                                                 | 5,62              | 6,5  | 20,12  | 6      | 41      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 600 RF                                  | 150 RF   | 1440                | 1025              | 855               | 275                                                 | 5,62              | 6,75 | 20,38  | 6      | 43      |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 600 RF                                  | 300 RF   | 1440                | 1025              | 855               | 275                                                 | 5,62              | 6,5  | 20,12  | 6      | 35      |
| 1 1/2 x 2                                                        | SA351CF8M          | SA313Gr.316 | 1500 RF                                 | 300 RF   | 1500                | 1500              | 1500              | 400                                                 | 5,62              | 7,38 | 20,99  | 6      | 47      |
| 2 x 2                                                            | SA351CF8M          | SA313Gr.316 | 1500 RF                                 | 300 RF   | 1500                | 1500              | 1500              | 400                                                 | 5,62              | 7,62 | 21,25  | 6      | 49      |

**Hinweise**

- Ventile unter 15 psig sind nicht ASME Code gestempelt.
- Für Temperaturen über 550°F sind Druckfedern aus Inconel erforderlich
- Ausgangsdruck für Temperaturen höher 100°F dürfen die Grenzen in ANSI/ASME B16.34 nicht übersteigen.



|                                                         |                                                          | Orifice (nicht nach API) |           |         |           |           |         |           |           |             |         |             |         |
|---------------------------------------------------------|----------------------------------------------------------|--------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|-------------|---------|-------------|---------|
|                                                         |                                                          | A                        |           |         | D         |           |         | B         |           | C           |         | G           |         |
| Strömungsquerschnitt [A <sub>0</sub> ]                  |                                                          | 0,078 in²                |           |         | 0,122 in² |           |         | 0,152 in² |           | 0,235 in²   |         | 0,563 in²   |         |
| Strömungsdurchmesser [d <sub>0</sub> ]                  |                                                          | 0,315 in                 |           |         | 0,394 in  |           |         | 0,44 in   |           | 0,547 in    |         | 0,847 in    |         |
| NPS (Eingang x Ausgang)                                 |                                                          | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1" | 3/4" x 1" | 1" x 1" | 3/4" x 1" | 3/4" x 2" | 1" x 1 1/2" | 1" x 2" | 1 1/2" x 2" | 2" x 2" |
| Ansprechdruck (psig)                                    |                                                          |                          |           |         |           |           |         |           |           |             |         |             |         |
| < 30 psig<br>mit + 3 psig<br>Drucksteigerung            | 5                                                        | auf Anfrage              |           |         |           |           |         |           |           |             |         |             |         |
|                                                         | 10                                                       | auf Anfrage              |           |         |           |           |         |           |           |             |         |             |         |
|                                                         | Kein Code Stamp oder NB auf Typenschildern unter 15 psig |                          |           |         |           |           |         |           |           |             |         |             |         |
|                                                         | 15                                                       | 40                       |           |         | 53        |           |         | 61        |           | 97          |         | 290         |         |
|                                                         | 20                                                       | 46                       |           |         | 62        |           |         | 70        |           | 112         |         | 334         |         |
|                                                         | 30                                                       | 59                       |           |         | 78        |           |         | 89        |           | 142         |         | 423         |         |
| 40                                                      |                                                          | 72                       |           |         | 96        |           |         | 109       |           | 174         |         | 520         |         |
| 50                                                      |                                                          | 86                       |           |         | 114       |           |         | 130       |           | 207         |         | 617         |         |
| 60                                                      |                                                          | 99                       |           |         | 132       |           |         | 150       |           | 240         |         | 715         |         |
| 70                                                      |                                                          | 113                      |           |         | 150       |           |         | 171       |           | 272         |         | 812         |         |
| 80                                                      |                                                          | 126                      |           |         | 168       |           |         | 191       |           | 305         |         | 910         |         |
| 90                                                      |                                                          | 140                      |           |         | 186       |           |         | 212       |           | 338         |         | 1007        |         |
| 100                                                     |                                                          | 153                      |           |         | 204       |           |         | 232       |           | 370         |         | 1105        |         |
| 110                                                     |                                                          | 167                      |           |         | 222       |           |         | 253       |           | 403         |         | 1202        |         |
| 120                                                     |                                                          | 180                      |           |         | 240       |           |         | 273       |           | 436         |         | 1300        |         |
| 130                                                     |                                                          | 194                      |           |         | 258       |           |         | 294       |           | 468         |         | 1397        |         |
| 140                                                     |                                                          | 207                      |           |         | 276       |           |         | 314       |           | 501         |         | 1495        |         |
| 150                                                     |                                                          | 221                      |           |         | 294       |           |         | 335       |           | 534         |         | 1592        |         |
| 160                                                     |                                                          | 234                      |           |         | 312       |           |         | 355       |           | 566         |         | 1689        |         |
| 170                                                     |                                                          | 248                      |           |         | 330       |           |         | 376       |           | 599         |         | 1787        |         |
| 180                                                     |                                                          | 261                      |           |         | 348       |           |         | 396       |           | 632         |         | 1884        |         |
| 190                                                     |                                                          | 275                      |           |         | 366       |           |         | 417       |           | 664         |         | 1982        |         |
| 200                                                     |                                                          | 288                      |           |         | 384       |           |         | 437       |           | 697         |         | 2079        |         |
| 210                                                     |                                                          | 302                      |           |         | 402       |           |         | 458       |           | 730         |         | 2177        |         |
| 220                                                     |                                                          | 315                      |           |         | 420       |           |         | 478       |           | 762         |         | 2274        |         |
| 230                                                     |                                                          | 329                      |           |         | 438       |           |         | 499       |           | 795         |         | 2372        |         |
| 240                                                     |                                                          | 343                      |           |         | 456       |           |         | 519       |           | 828         |         | 2469        |         |
| 250                                                     |                                                          | 356                      |           |         | 474       |           |         | 540       |           | 860         |         | 2566        |         |
| 260                                                     |                                                          | 370                      |           |         | 492       |           |         | 560       |           | 893         |         | 2664        |         |
| 270                                                     |                                                          | 383                      |           |         | 510       |           |         | 581       |           | 926         |         | 2761        |         |
| 280                                                     |                                                          | 397                      |           |         | 528       |           |         | 601       |           | 958         |         | 2859        |         |
| 290                                                     |                                                          | 410                      |           |         | 546       |           |         | 622       |           | 991         |         | 2956        |         |
| 300                                                     |                                                          | 424                      |           |         | 564       |           |         | 642       |           | 1024        |         | 3054        |         |
| 320                                                     |                                                          | 451                      |           |         | 600       |           |         | 683       |           | 1089        |         | 3249        |         |
| 340                                                     |                                                          | 478                      |           |         | 636       |           |         | 724       |           | 1154        |         | 3443        |         |
| 360                                                     |                                                          | 505                      |           |         | 672       |           |         | 765       |           | 1220        |         | 3638        |         |
| 380                                                     |                                                          | 532                      |           |         | 708       |           |         | 806       |           | 1285        |         | 3833        |         |
| pro 1 SCFM<br>Zwischenwert-Steigerung,<br>Wert addieren |                                                          | 1,4                      |           |         | 1,8       |           |         | 2         |           | 3,3         |         | 9,7         |         |

<sup>1)</sup> bei 60°F und 14,7 psia



|                                                                  | Orifice (nicht nach API) |           |         |                       |           |         |                       |           |                       |         |                       |         |
|------------------------------------------------------------------|--------------------------|-----------|---------|-----------------------|-----------|---------|-----------------------|-----------|-----------------------|---------|-----------------------|---------|
|                                                                  | A                        |           |         | D                     |           |         | B                     |           | C                     |         | G                     |         |
| Strömungsquerschnitt [A <sub>0</sub> ]                           | 0,078 in <sup>2</sup>    |           |         | 0,122 in <sup>2</sup> |           |         | 0,152 in <sup>2</sup> |           | 0,235 in <sup>2</sup> |         | 0,563 in <sup>2</sup> |         |
| Strömungsdurchmesser [d <sub>0</sub> ]                           | 0,315 in                 |           |         | 0,394 in              |           |         | 0,44 in               |           | 0,547 in              |         | 0,847 in              |         |
| NPS (Eingang x Ausgang)                                          | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1"             | 3/4" x 1" | 1" x 1" | 3/4" x 1"             | 3/4" x 2" | 1" x 1 1/2"           | 1" x 2" | 1 1/2" x 2"           | 2" x 2" |
| Ansprechdruck (psig)                                             |                          |           |         |                       |           |         |                       |           |                       |         |                       |         |
| 400                                                              | 559                      |           |         | 744                   |           |         | 847                   |           | 1350                  |         | 4028                  |         |
| 420                                                              | 586                      |           |         | 780                   |           |         | 888                   |           | 1416                  |         | 4223                  |         |
| 440                                                              | 613                      |           |         | 816                   |           |         | 929                   |           | 1481                  |         | 4418                  |         |
| 460                                                              | 640                      |           |         | 852                   |           |         | 970                   |           | 1546                  |         | 4613                  |         |
| 480                                                              | 667                      |           |         | 888                   |           |         | 1011                  |           | 1612                  |         | 4808                  |         |
| 500                                                              | 694                      |           |         | 924                   |           |         | 1052                  |           | 1677                  |         | 5003                  |         |
| 520                                                              | 721                      |           |         | 960                   |           |         | 1093                  |           | 1742                  |         | 5198                  |         |
| 540                                                              | 748                      |           |         | 996                   |           |         | 1134                  |           | 1808                  |         | 5392                  |         |
| 560                                                              | 775                      |           |         | 1032                  |           |         | 1175                  |           | 1873                  |         | 5587                  |         |
| 580                                                              | 802                      |           |         | 1068                  |           |         | 1216                  |           | 1939                  |         | 5782                  |         |
| 600                                                              | 829                      |           |         | 1104                  |           |         | 1257                  |           | 2004                  |         | 5977                  |         |
| 650                                                              | 897                      |           |         | 1194                  |           |         | 1359                  |           | 2167                  |         | 6464                  |         |
| 700                                                              | 964                      |           |         | 1284                  |           |         | 1462                  |           | 2331                  |         | 6952                  |         |
| 750                                                              | 1032                     |           |         | 1375                  |           |         | 1564                  |           | 2494                  |         | 7439                  |         |
| 800                                                              | 1100                     |           |         | 1465                  |           |         | 1667                  |           | 2657                  |         | 7926                  |         |
| 850                                                              | 1167                     |           |         | 1555                  |           |         | 1769                  |           | 2821                  |         | 8413                  |         |
| 900                                                              | 1235                     |           |         | 1645                  |           |         | 1872                  |           | 2984                  |         | 8901                  |         |
| 950                                                              | 1302                     |           |         | 1735                  |           |         | 1974                  |           | 3147                  |         | 9388                  |         |
| 1000                                                             | 1370                     |           |         | 1825                  |           |         | 2077                  |           | 3311                  |         | 9875                  |         |
| 1100                                                             | 1505                     |           |         | 2005                  |           |         | 2282                  |           | 3637                  |         | 10850                 |         |
| 1200                                                             | 1640                     |           |         | 2185                  |           |         | 2487                  |           | 3964                  |         | 11824                 |         |
| 1300                                                             | 1776                     |           |         | 2365                  |           |         | 2691                  |           | 4291                  |         | 12799                 |         |
| 1400                                                             | 1911                     |           |         | 2545                  |           |         | 2896                  |           | 4617                  |         | 13773                 |         |
| 1500                                                             | 2046                     |           |         | 2725                  |           |         | 3101                  |           | 4944                  |         | 14748                 |         |
| 1600                                                             | 2181                     |           |         | 2905                  |           |         | 3306                  |           | 5271                  |         | --                    |         |
| 1700                                                             | 2316                     |           |         | 3085                  |           |         | 3511                  |           | 5598                  |         | --                    |         |
| 1800                                                             | 2451                     |           |         | 3265                  |           |         | 3716                  |           | 5924                  |         | --                    |         |
| 1900                                                             | 2587                     |           |         | 3445                  |           |         | 3921                  |           | 6251                  |         | --                    |         |
| 2000                                                             | 2722                     |           |         | 3625                  |           |         | 4126                  |           | 6578                  |         | --                    |         |
| 2300                                                             | 3127                     |           |         | 4165                  |           |         | 4741                  |           | --                    | 7558    | --                    |         |
| 2600                                                             | 3533                     |           |         | 4706                  |           |         | 5356                  |           | --                    | 8538    | --                    |         |
| 2900                                                             | 3939                     |           |         | 5246                  |           |         | 5970                  |           | --                    | 9518    | --                    |         |
| 3000                                                             | --                       |           |         | --                    |           |         | 6175                  |           | --                    | 9845    | --                    |         |
| 4000                                                             | --                       |           |         | --                    |           |         | --                    | 8225      | --                    |         | --                    |         |
| 5000                                                             | --                       |           |         | --                    |           |         | --                    | 10274     | --                    |         | --                    |         |
| <b>pro 5 SCFM<br/>Zwischenwert-Steigerung,<br/>Wert addieren</b> | <b>6,8</b>               |           |         | <b>9,0</b>            |           |         | <b>10,2</b>           |           | <b>16,3</b>           |         | <b>48,7</b>           |         |

<sup>1)</sup> bei 60°F und 14,7 psia

|                                                       |    | Orifice (nicht nach API)                                 |           |         |           |           |         |           |           |             |         |             |         |
|-------------------------------------------------------|----|----------------------------------------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|-------------|---------|-------------|---------|
|                                                       |    | A                                                        |           |         | D         |           |         | B         |           | C           |         | G           |         |
| Strömungsquerschnitt [A <sub>0</sub> ]                |    | 0,078 in²                                                |           |         | 0,122 in² |           |         | 0,152 in² |           | 0,235 in²   |         | 0,563 in²   |         |
| Strömungsdurchmesser [d <sub>0</sub> ]                |    | 0,315 in                                                 |           |         | 0,394 in  |           |         | 0,44 in   |           | 0,547 in    |         | 0,847 in    |         |
| NPS (Eingang x Ausgang)                               |    | 1/2" x 1"                                                | 3/4" x 1" | 1" x 1" | 1/2" x 1" | 3/4" x 1" | 1" x 1" | 3/4" x 1" | 3/4" x 2" | 1" x 1 1/2" | 1" x 2" | 1 1/2" x 2" | 2" x 2" |
| Ansprechdruck (psig)                                  |    |                                                          |           |         |           |           |         |           |           |             |         |             |         |
| < 30 psig<br>mit + 3 psig<br>Drucksteigerung          | 5  | auf Anfrage                                              |           |         |           |           |         |           |           |             |         |             |         |
|                                                       | 10 | auf Anfrage                                              |           |         |           |           |         |           |           |             |         |             |         |
|                                                       |    | Kein Code Stamp oder NB auf Typenschildern unter 15 psig |           |         |           |           |         |           |           |             |         |             |         |
|                                                       | 15 | 113                                                      |           |         | 150       |           |         | 171       |           | 345         |         | 814         |         |
|                                                       | 20 | 130                                                      |           |         | 173       |           |         | 197       |           | 398         |         | 938         |         |
|                                                       | 30 | 165                                                      |           |         | 219       |           |         | 250       |           | 504         |         | 1187        |         |
| 40                                                    |    | 203                                                      |           |         | 270       |           |         | 307       |           | 620         |         | 1461        |         |
| 50                                                    |    | 240                                                      |           |         | 321       |           |         | 365       |           | 736         |         | 1735        |         |
| 60                                                    |    | 278                                                      |           |         | 371       |           |         | 422       |           | 852         |         | 2009        |         |
| 70                                                    |    | 316                                                      |           |         | 422       |           |         | 480       |           | 969         |         | 2282        |         |
| 80                                                    |    | 354                                                      |           |         | 472       |           |         | 538       |           | 1085        |         | 2556        |         |
| 90                                                    |    | 392                                                      |           |         | 523       |           |         | 595       |           | 1201        |         | 2830        |         |
| 100                                                   |    | 430                                                      |           |         | 574       |           |         | 653       |           | 1317        |         | 3104        |         |
| 110                                                   |    | 468                                                      |           |         | 624       |           |         | 710       |           | 1433        |         | 3377        |         |
| 120                                                   |    | 506                                                      |           |         | 675       |           |         | 768       |           | 1550        |         | 3651        |         |
| 130                                                   |    | 544                                                      |           |         | 725       |           |         | 826       |           | 1666        |         | 3925        |         |
| 140                                                   |    | 582                                                      |           |         | 776       |           |         | 883       |           | 1782        |         | 4199        |         |
| 150                                                   |    | 620                                                      |           |         | 826       |           |         | 941       |           | 1898        |         | 4779        |         |
| 160                                                   |    | 658                                                      |           |         | 877       |           |         | 998       |           | 2014        |         | 4746        |         |
| 170                                                   |    | 696                                                      |           |         | 928       |           |         | 1056      |           | 2131        |         | 5020        |         |
| 180                                                   |    | 734                                                      |           |         | 978       |           |         | 1113      |           | 2247        |         | 5294        |         |
| 190                                                   |    | 772                                                      |           |         | 1029      |           |         | 1171      |           | 2363        |         | 5568        |         |
| 200                                                   |    | 810                                                      |           |         | 1079      |           |         | 1229      |           | 2479        |         | 5841        |         |
| 210                                                   |    | 848                                                      |           |         | 1130      |           |         | 1286      |           | 2595        |         | 6115        |         |
| 220                                                   |    | 886                                                      |           |         | 1181      |           |         | 1344      |           | 2712        |         | 6389        |         |
| 230                                                   |    | 924                                                      |           |         | 1231      |           |         | 1401      |           | 2828        |         | 6663        |         |
| 240                                                   |    | 962                                                      |           |         | 1282      |           |         | 1459      |           | 2944        |         | 6937        |         |
| 250                                                   |    | 999                                                      |           |         | 1332      |           |         | 1517      |           | 3060        |         | 7210        |         |
| 260                                                   |    | 1037                                                     |           |         | 1383      |           |         | 1574      |           | 3176        |         | 7484        |         |
| 270                                                   |    | 1075                                                     |           |         | 1434      |           |         | 1632      |           | 3293        |         | 7758        |         |
| 280                                                   |    | 1113                                                     |           |         | 1484      |           |         | 1689      |           | 3409        |         | 8032        |         |
| 290                                                   |    | 1151                                                     |           |         | 1535      |           |         | 1747      |           | 3525        |         | 8305        |         |
| 300                                                   |    | 1198                                                     |           |         | 1585      |           |         | 1805      |           | 3641        |         | 8579        |         |
| 320                                                   |    | 1265                                                     |           |         | 1686      |           |         | 1920      |           | 3873        |         | 9127        |         |
| 340                                                   |    | 1341                                                     |           |         | 1787      |           |         | 2035      |           | 4106        |         | 9674        |         |
| 360                                                   |    | 1417                                                     |           |         | 1889      |           |         | 2150      |           | 4338        |         | 10222       |         |
| 380                                                   |    | 1493                                                     |           |         | 1990      |           |         | 2265      |           | 4571        |         | 10769       |         |
| 400                                                   |    | 1569                                                     |           |         | 2091      |           |         | 2380      |           | 4803        |         | 11317       |         |
| 420                                                   |    | 1642                                                     |           |         | 2192      |           |         | 2496      |           | 5035        |         | 11865       |         |
| 440                                                   |    | 1721                                                     |           |         | 2293      |           |         | 2611      |           | 5268        |         | 12412       |         |
| 460                                                   |    | 1796                                                     |           |         | 2395      |           |         | 2726      |           | 5500        |         | 12960       |         |
| 480                                                   |    | 1872                                                     |           |         | 2496      |           |         | 2841      |           | 5733        |         | 13507       |         |
| 500                                                   |    | 1948                                                     |           |         | 2597      |           |         | 2956      |           | 5965        |         | 14055       |         |
| 520                                                   |    | 2024                                                     |           |         | 2698      |           |         | 3071      |           | 6197        |         | 14603       |         |
| 540                                                   |    | 2100                                                     |           |         | 2799      |           |         | 3187      |           | 6430        |         | 15150       |         |
| 560                                                   |    | 2176                                                     |           |         | 2901      |           |         | 3302      |           | 6662        |         | 15698       |         |
| 580                                                   |    | 2252                                                     |           |         | 3002      |           |         | 3417      |           | 6895        |         | 16245       |         |
| 600                                                   |    | 2328                                                     |           |         | 3103      |           |         | 3532      |           | 7127        |         | 16793       |         |
| 650                                                   |    | 2417                                                     |           |         | 3356      |           |         | 3820      |           | 7708        |         | 18462       |         |
| pro 1 lb<br>Zwischenwert-Steigerung,<br>Wert addieren |    | 3,8                                                      |           |         | 5,1       |           |         | 5,8       |           | 11,6        |         | 27,4        |         |

|                                                       | Orifice (nicht nach API) |           |         |                       |           |         |                       |           |                       |         |                       |         |
|-------------------------------------------------------|--------------------------|-----------|---------|-----------------------|-----------|---------|-----------------------|-----------|-----------------------|---------|-----------------------|---------|
|                                                       | A                        |           |         | D                     |           |         | B                     |           | C                     |         | G                     |         |
| Strömungsquerschnitt [A <sub>0</sub> ]                | 0,078 in <sup>2</sup>    |           |         | 0,122 in <sup>2</sup> |           |         | 0,152 in <sup>2</sup> |           | 0,235 in <sup>2</sup> |         | 0,563 in <sup>2</sup> |         |
| Strömungsdurchmesser [d <sub>0</sub> ]                | 0,315 in                 |           |         | 0,394 in              |           |         | 0,44 in               |           | 0,547 in              |         | 0,847 in              |         |
| NPS (Eingang x Ausgang)                               | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1"             | 3/4" x 1" | 1" x 1" | 3/4" x 1"             | 3/4" x 2" | 1" x 1 1/2"           | 1" x 2" | 1 1/2" x 2"           | 2" x 2" |
| Ansprechdruck (psig)                                  |                          |           |         |                       |           |         |                       |           |                       |         |                       |         |
| 700                                                   | 2707                     |           |         | 3609                  |           |         | 4108                  |           | 8289                  |         | 19530                 |         |
| 750                                                   | 2897                     |           |         | 3862                  |           |         | 4396                  |           | 8870                  |         | 20899                 |         |
| 800                                                   | 3087                     |           |         | 4115                  |           |         | 4684                  |           | 9451                  |         | 22268                 |         |
| 850                                                   | 3276                     |           |         | 4368                  |           |         | 4972                  |           | 10032                 |         | 23637                 |         |
| 900                                                   | 3466                     |           |         | 4621                  |           |         | 5260                  |           | 10613                 |         | 25007                 |         |
| 950                                                   | 3656                     |           |         | 4874                  |           |         | 5548                  |           | 11194                 |         | 26376                 |         |
| 1000                                                  | 3846                     |           |         | 5128                  |           |         | 5835                  |           | 11771                 |         | 27745                 |         |
| 1100                                                  | 4225                     |           |         | 5634                  |           |         | 6411                  |           | 12933                 |         | 30483                 |         |
| 1200                                                  | 4605                     |           |         | 6140                  |           |         | 6987                  |           | 14095                 |         | 33222                 |         |
| 1300                                                  | 4984                     |           |         | 6646                  |           |         | 7563                  |           | 15257                 |         | 35960                 |         |
| 1400                                                  | 5364                     |           |         | 7152                  |           |         | 8139                  |           | 16419                 |         | 38698                 |         |
| 1500                                                  | 5743                     |           |         | 7656                  |           |         | 8715                  |           | 17585                 |         | 41433                 |         |
| 1600                                                  | 6123                     |           |         | 8162                  |           |         | 9291                  |           | 18747                 |         | --                    |         |
| 1700                                                  | 6502                     |           |         | 8668                  |           |         | 9855                  |           | 19909                 |         | --                    |         |
| 1800                                                  | 6882                     |           |         | 9174                  |           |         | 10442                 |           | 21071                 |         | --                    |         |
| 1900                                                  | 7261                     |           |         | 9680                  |           |         | 11006                 |           | 22233                 |         | --                    |         |
| 2000                                                  | 7641                     |           |         | 10186                 |           |         | 11594                 |           | 23395                 |         | --                    |         |
| 2100                                                  | 8020                     |           |         | 10692                 |           |         | 12170                 |           | 24557                 |         | --                    |         |
| 2200                                                  | 8400                     |           |         | 11198                 |           |         | 12746                 |           | 25719                 |         | --                    |         |
| 2300                                                  | 8779                     |           |         | 11704                 |           |         | 13322                 |           | 26881                 |         | --                    |         |
| 2400                                                  | 9159                     |           |         | 12210                 |           |         | 13897                 |           | 28043                 |         | --                    |         |
| 2500                                                  | 9538                     |           |         | 12715                 |           |         | 14473                 |           | 29205                 |         | --                    |         |
| 2600                                                  | 9918                     |           |         | 13220                 |           |         | 15049                 |           | 30367                 |         | --                    |         |
| 2700                                                  | 10297                    |           |         | 13725                 |           |         | 15625                 |           | 31529                 |         | --                    |         |
| 2800                                                  | 10677                    |           |         | 14230                 |           |         | 16201                 |           | 32691                 |         | --                    |         |
| 2900                                                  | 11056                    |           |         | 14735                 |           |         | 16777                 |           | 33853                 |         | --                    |         |
| 3000                                                  | --                       |           |         | --                    |           |         | 17353                 |           | 35015                 |         | --                    |         |
| 3100                                                  | --                       |           |         | --                    |           |         | --                    | 17928     | --                    |         | --                    |         |
| 3200                                                  | --                       |           |         | --                    |           |         | --                    | 18504     | --                    |         | --                    |         |
| 3300                                                  | --                       |           |         | --                    |           |         | --                    | 19080     | --                    |         | --                    |         |
| 3400                                                  | --                       |           |         | --                    |           |         | --                    | 19656     | --                    |         | --                    |         |
| 3500                                                  | --                       |           |         | --                    |           |         | --                    | 20232     | --                    |         | --                    |         |
| 3600                                                  | --                       |           |         | --                    |           |         | --                    | 20808     | --                    |         | --                    |         |
| 3700                                                  | --                       |           |         | --                    |           |         | --                    | 21384     | --                    |         | --                    |         |
| 3800                                                  | --                       |           |         | --                    |           |         | --                    | 21959     | --                    |         | --                    |         |
| 3900                                                  | --                       |           |         | --                    |           |         | --                    | 22535     | --                    |         | --                    |         |
| 4000                                                  | --                       |           |         | --                    |           |         | --                    | 23111     | --                    |         | --                    |         |
| 4100                                                  | --                       |           |         | --                    |           |         | --                    | 23687     | --                    |         | --                    |         |
| 4200                                                  | --                       |           |         | --                    |           |         | --                    | 24263     | --                    |         | --                    |         |
| 4300                                                  | --                       |           |         | --                    |           |         | --                    | 24839     | --                    |         | --                    |         |
| 4400                                                  | --                       |           |         | --                    |           |         | --                    | 25415     | --                    |         | --                    |         |
| 4500                                                  | --                       |           |         | --                    |           |         | --                    | 25990     | --                    |         | --                    |         |
| 4600                                                  | --                       |           |         | --                    |           |         | --                    | 26566     | --                    |         | --                    |         |
| 4700                                                  | --                       |           |         | --                    |           |         | --                    | 27142     | --                    |         | --                    |         |
| 4800                                                  | --                       |           |         | --                    |           |         | --                    | 27718     | --                    |         | --                    |         |
| 4900                                                  | --                       |           |         | --                    |           |         | --                    | 28294     | --                    |         | --                    |         |
| 5000                                                  | --                       |           |         | --                    |           |         | --                    | 28870     | --                    |         | --                    |         |
| pro 5 lb<br>Zwischenwert-Steigerung,<br>Wert addieren | 19                       |           |         | 25                    |           |         | 29                    |           | 58                    |         | 136,9                 |         |

|                                              |                                                          | Orifice (nicht nach API) |           |         |           |           |         |           |           |             |         |             |         |
|----------------------------------------------|----------------------------------------------------------|--------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|-------------|---------|-------------|---------|
|                                              |                                                          | A                        |           |         | D         |           |         | B         |           | C           |         | G           |         |
| Strömungsquerschnitt [A <sub>0</sub> ]       |                                                          | 0,078 in²                |           |         | 0,122 in² |           |         | 0,152 in² |           | 0,235 in²   |         | 0,563 in²   |         |
| Strömungsdurchmesser [d <sub>0</sub> ]       |                                                          | 0,315 in                 |           |         | 0,394 in  |           |         | 0,44 in   |           | 0,547 in    |         | 0,847 in    |         |
| NPS (Eingang x Ausgang)                      |                                                          | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1" | 3/4" x 1" | 1" x 1" | 3/4" x 1" | 3/4" x 2" | 1" x 1 1/2" | 1" x 2" | 1 1/2" x 2" | 2" x 2" |
| Ansprechdruck (psig)                         |                                                          |                          |           |         |           |           |         |           |           |             |         |             |         |
| < 30 psig<br>mit + 3 psig<br>Drucksteigerung | 5                                                        | auf Anfrage              |           |         |           |           |         |           |           |             |         |             |         |
|                                              | 10                                                       | auf Anfrage              |           |         |           |           |         |           |           |             |         |             |         |
|                                              | Kein Code Stamp oder NB auf Typenschildern unter 15 psig |                          |           |         |           |           |         |           |           |             |         |             |         |
|                                              | 15                                                       | 8                        |           |         | 18        |           |         | 11        |           | 19          |         | 55          |         |
|                                              | 20                                                       | 9                        |           |         | 19        |           |         | 13        |           | 21          |         | 63          |         |
|                                              | 30                                                       | 11                       |           |         | 21        |           |         | 15        |           | 25          |         | 75          |         |
| 40                                           |                                                          | 13                       |           |         | 23        |           |         | 18        |           | 29          |         | 87          |         |
| 50                                           |                                                          | 14                       |           |         | 25        |           |         | 20        |           | 32          |         | 97          |         |
| 60                                           |                                                          | 15                       |           |         | 27        |           |         | 22        |           | 35          |         | 106         |         |
| 70                                           |                                                          | 17                       |           |         | 29        |           |         | 24        |           | 38          |         | 115         |         |
| 80                                           |                                                          | 18                       |           |         | 31        |           |         | 25        |           | 41          |         | 122         |         |
| 90                                           |                                                          | 19                       |           |         | 32        |           |         | 27        |           | 43          |         | 130         |         |
| 100                                          |                                                          | 20                       |           |         | 34        |           |         | 28        |           | 46          |         | 137         |         |
| 110                                          |                                                          | 21                       |           |         | 35        |           |         | 29,5      |           | 48          |         | 144         |         |
| 120                                          |                                                          | 22                       |           |         | 37        |           |         | 31        |           | 50          |         | 150         |         |
| 130                                          |                                                          | 22,5                     |           |         | 38        |           |         | 32        |           | 52          |         | 156         |         |
| 140                                          |                                                          | 23                       |           |         | 39        |           |         | 33        |           | 54          |         | 162         |         |
| 150                                          |                                                          | 24                       |           |         | 40        |           |         | 35        |           | 56          |         | 168         |         |
| 160                                          |                                                          | 25                       |           |         | 42        |           |         | 36        |           | 58          |         | 173         |         |
| 170                                          |                                                          | 26                       |           |         | 43        |           |         | 37        |           | 59          |         | 179         |         |
| 180                                          |                                                          | 26,5                     |           |         | 44        |           |         | 38        |           | 61          |         | 184         |         |
| 190                                          |                                                          | 27                       |           |         | 45        |           |         | 39        |           | 63          |         | 189         |         |
| 200                                          |                                                          | 28                       |           |         | 46        |           |         | 40        |           | 64          |         | 194         |         |
| 210                                          |                                                          | 28,5                     |           |         | 47        |           |         | 41        |           | 66          |         | 198         |         |
| 220                                          |                                                          | 29                       |           |         | 48        |           |         | 42        |           | 68          |         | 203         |         |
| 230                                          |                                                          | 30                       |           |         | 49        |           |         | 43        |           | 69          |         | 208         |         |
| 240                                          |                                                          | 30,5                     |           |         | 50        |           |         | 44        |           | 71          |         | 212         |         |
| 250                                          |                                                          | 31                       |           |         | 51        |           |         | 44,5      |           | 72          |         | 216         |         |
| 260                                          |                                                          | 32                       |           |         | 52        |           |         | 45        |           | 73          |         | 221         |         |
| 270                                          |                                                          | 32,5                     |           |         | 53        |           |         | 46        |           | 75          |         | 225         |         |
| 280                                          |                                                          | 33                       |           |         | 54        |           |         | 47        |           | 76          |         | 229         |         |
| 290                                          |                                                          | 33,5                     |           |         | 55        |           |         | 48        |           | 78          |         | 233         |         |
| 300                                          |                                                          | 34                       |           |         | 56        |           |         | 49        |           | 79          |         | 237         |         |
| 320                                          |                                                          | 35                       |           |         | 58        |           |         | 50        |           | 82          |         | 245         |         |
| 340                                          |                                                          | 36                       |           |         | 59        |           |         | 52        |           | 84          |         | 252         |         |
| 360                                          |                                                          | 37                       |           |         | 61        |           |         | 53        |           | 86          |         | 260         |         |
| 380                                          |                                                          | 38                       |           |         | 62        |           |         | 55        |           | 89          |         | 267         |         |

|                                        | Orifice (nicht nach API) |           |         |           |           |         |           |           |             |         |             |         |
|----------------------------------------|--------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|-------------|---------|-------------|---------|
|                                        | A                        |           |         | D         |           |         | B         |           | C           |         | G           |         |
| Strömungsquerschnitt [A <sub>0</sub> ] | 0,078 in²                |           |         | 0,122 in² |           |         | 0,152 in² |           | 0,235 in²   |         | 0,563 in²   |         |
| Strömungsdurchmesser [d <sub>0</sub> ] | 0,315 in                 |           |         | 0,394 in  |           |         | 0,44 in   |           | 0,547 in    |         | 0,847 in    |         |
| NPS (Eingang x Ausgang)                | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1" | 3/4" x 1" | 1" x 1" | 3/4" x 1" | 3/4" x 2" | 1" x 1 1/2" | 1" x 2" | 1 1/2" x 2" | 2" x 2" |
| Ansprechdruck (psig)                   |                          |           |         |           |           |         |           |           |             |         |             |         |
| 400                                    | 39                       |           |         | 64        |           |         | 56        |           | 91          |         | 274         |         |
| 420                                    | 40                       |           |         | 66        |           |         | 58        |           | 94          |         | 281         |         |
| 440                                    | 41                       |           |         | 67        |           |         | 59        |           | 96          |         | 287         |         |
| 460                                    | 42                       |           |         | 69        |           |         | 60        |           | 98          |         | 294         |         |
| 480                                    | 43                       |           |         | 70        |           |         | 62        |           | 100         |         | 300         |         |
| 500                                    | 44                       |           |         | 72        |           |         | 63        |           | 102         |         | 306         |         |
| 520                                    | 45                       |           |         | 74        |           |         | 64        |           | 104         |         | 312         |         |
| 540                                    | 46                       |           |         | 75        |           |         | 66        |           | 106         |         | 318         |         |
| 560                                    | 47                       |           |         | 77        |           |         | 67        |           | 108         |         | 324         |         |
| 580                                    | 48                       |           |         | 78        |           |         | 68        |           | 110         |         | 330         |         |
| 600                                    | 48                       |           |         | 80        |           |         | 69        |           | 112         |         | 335         |         |
| 650                                    | 50                       |           |         | 83        |           |         | 72        |           | 116         |         | 349         |         |
| 700                                    | 52                       |           |         | 85        |           |         | 75        |           | 121         |         | 362         |         |
| 750                                    | 54                       |           |         | 88        |           |         | 77        |           | 125         |         | 375         |         |
| 800                                    | 56                       |           |         | 91        |           |         | 80        |           | 129         |         | 387         |         |
| 850                                    | 58                       |           |         | 93        |           |         | 82        |           | 133         |         | 399         |         |
| 900                                    | 59                       |           |         | 96        |           |         | 85        |           | 137         |         | 411         |         |
| 950                                    | 61                       |           |         | 98        |           |         | 87        |           | 141         |         | 422         |         |
| 1000                                   | 62                       |           |         | 101       |           |         | 90        |           | 144         |         | 433         |         |
| 1200                                   | 68                       |           |         | 110       |           |         | 98        |           | 158         |         | 474         |         |
| 1300                                   | 71                       |           |         | 114       |           |         | 102       |           | 165         |         | 494         |         |
| 1400                                   | 74                       |           |         | 119       |           |         | 105       |           | 171         |         | 512         |         |
| 1500                                   | 76                       |           |         | 123       |           |         | 109       |           | 177         |         | 530         |         |
| 1600                                   | 79                       |           |         | 127       |           |         | 113       |           | 182         |         | --          |         |
| 1700                                   | 81                       |           |         | 131       |           |         | 116       |           | 188         |         | --          |         |
| 1800                                   | 84                       |           |         | 134       |           |         | 120       |           | 194         |         | --          |         |
| 1900                                   | 86                       |           |         | 138       |           |         | 123       |           | 199         |         | --          |         |
| 2000                                   | 88                       |           |         | 142       |           |         | 126       |           | 204         |         | --          |         |
| 2300                                   | 95                       |           |         | 153       |           |         | 135       |           | --          | 219     | --          |         |
| 2600                                   | 101                      |           |         | 165       |           |         | 144       |           | --          | 233     | --          |         |
| 2900                                   | 106                      |           |         | 176       |           |         | 152       |           | --          | 246     | --          |         |
| 3000                                   | --                       |           |         | --        |           |         | 154       |           | --          | 250     | --          |         |
| 4000                                   | --                       |           |         | --        |           |         | --        | 178       | --          |         | --          |         |
| 5000                                   | --                       |           |         | --        |           |         | --        | 199       | --          |         | --          |         |

|                                                               | ARI-REYCO RL Series  |  |
|---------------------------------------------------------------|----------------------|--|
|                                                               | Fig. 966 / 968 / 969 |  |
| ASME Code Section VIII-Division 1<br>(UV-stamp, NB-stamp) USA | X                    |  |
| Canada Registration - CRN<br>(nur Ausführung mit UV-stamp)    | X                    |  |
| Druckgeräterichtlinie PED 97/23/EG<br>Module B+D              | X                    |  |
| Sitzdichtheit                                                 | API 527              |  |

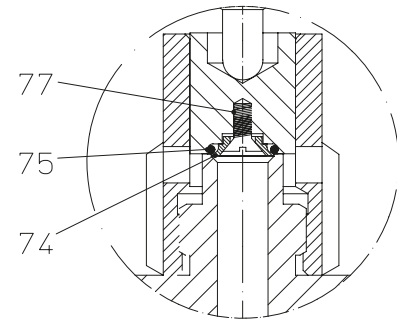
Entsprechende  
Ausflussziffer K

UV-/NB-stamp

| Fläche                  | Orifice (nicht nach API) |           |         |                       |           |         |                       |           |                       |         |                       |         |
|-------------------------|--------------------------|-----------|---------|-----------------------|-----------|---------|-----------------------|-----------|-----------------------|---------|-----------------------|---------|
|                         | A                        |           |         | D                     |           |         | B                     |           | C                     |         | G                     |         |
|                         | 0,078 in <sup>2</sup>    |           |         | 0,122 in <sup>2</sup> |           |         | 0,152 in <sup>2</sup> |           | 0,235 in <sup>2</sup> |         | 0,563 in <sup>2</sup> |         |
| NPS (Eingang x Ausgang) | 1/2" x 1"                | 3/4" x 1" | 1" x 1" | 1/2" x 1"             | 3/4" x 1" | 1" x 1" | 3/4" x 1"             | 3/4" x 2" | 1" x 1 1/2"           | 1" x 2" | 1 1/2" x 2"           | 2" x 2" |
| Dämpfe / Gase           | 0,860                    |           |         | 0,732                 |           |         | 0,668                 |           | 0,689                 |         | 0,858                 |         |
| Flüssigkeiten           | 0,634                    |           |         | 0,652                 |           |         | 0,465                 |           | 0,487                 |         | 0,610                 |         |

**Weichdichtungskegel:**

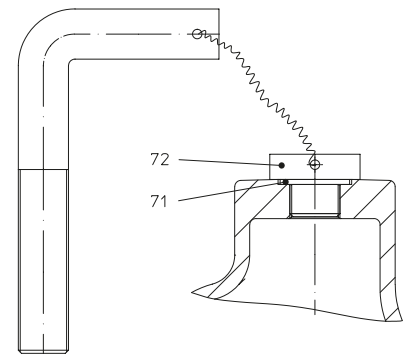
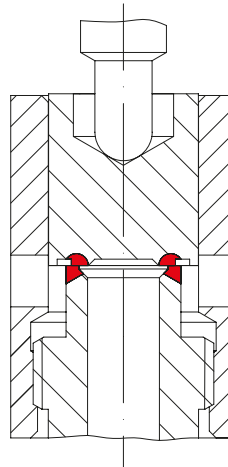
|          |                    |
|----------|--------------------|
| Aflas    | -20 °F to +500 °F  |
| BUNA-N   | -65 °F to +275 °F  |
| Chemraz  | -20 °F to +450 °F  |
| EPR      | -65 °F to +325 °F  |
| Fluoraz  | -20 °F to +500 °F  |
| Kalrez®  | -20 °F to +550 °F  |
| Silicone | -150 °F to +450 °F |
| Viton®   | -65 °F to +400 °F  |


**Teileliste**

| Pos. | Bezeichnung   |                           |
|------|---------------|---------------------------|
| 74   | Klemmplatte   | SA479Gr.316L              |
| 75   | O-Ring        | siehe Werkstoffliste oben |
| 77   | Halteschraube | SA479Gr.304               |

**Ausführung für Blockierschraube**
**Teileliste**

| Pos. | Bezeichnung        |              |
|------|--------------------|--------------|
| 71   | Dichtung           | Edelstahl    |
| 72   | Verschlussschraube | SA479Gr.316L |


**Stellitierte Ausführung**


Einschraubstutzen SA479Gr.316Ti / Stellite No. 21  
 Kegel-Scheibe SA479Gr.316Ti / Stellite No. 6





**Technik mit Zukunft.**  
DEUTSCHE QUALITÄTSARMATUREN

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