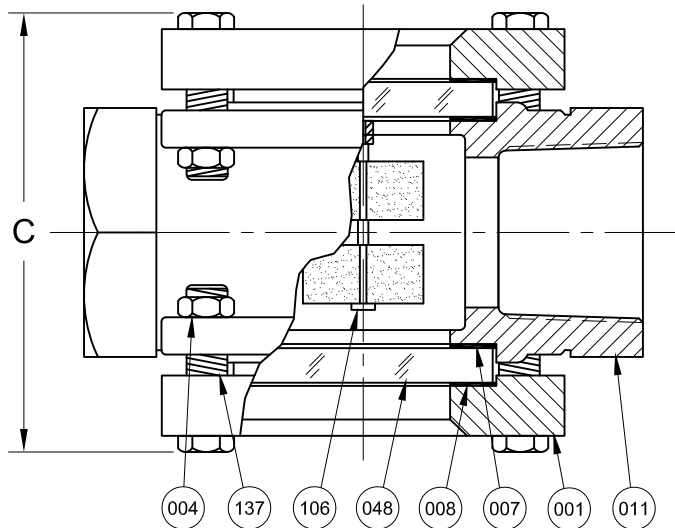


**ASME CLASS 300 SERVICE PRESSURE/TEMP. RATINGS**  
\*Limited to Gasket & Glass Material

| Temp. (°F) | Pressure (PSIG) |       |
|------------|-----------------|-------|
|            | CS              | 316SS |
| -20 to 100 | 740             | 720   |
| 150        | 710             | 670   |
| 200        | 680             | 620   |
| 250        | 665             | 590   |
| 300        | 655             | 560   |
| 350        | 645             | 535   |
| 400        | 635             | 515   |
| 450        | 620             | 495   |
| 500        | 605             | 480   |

\*Consult Sales for Higher & Lower Temps.



| REVISIONS |                                       |           |         |
|-----------|---------------------------------------|-----------|---------|
| Rev.      | Modification                          | Date      | Done By |
| 0         | Original                              | 6/28/2016 | WAS     |
| A         | Added Min. & Max. Indicator Flow Rate | 2/16/2018 | WAS     |

| BILL OF MATERIALS                              |                |      |                |                 |                 |
|--|----------------|------|----------------|-----------------|-----------------|
| * - Denotes an Optional, Non-Standard Material |                |      |                |                 |                 |
| No.  | Name of Part   | Qty. | Material       | Max. Temp. (°F) | Material Grade  |
| 011  | Body           | 1    | Carbon Steel   |                 | ASTM A-216 WCB  |
|  |                |      | 316SS          |                 | ASTM A-351 CF8M |
|  |                |      | Neoprene       | 250             |                 |
| 007  | Gasket         | 2    | Gylon®         | 500             | Gylon® 3504     |
|  |                |      | *EPDM          | 250             |                 |
|  |                |      | *Viton®        | 350             |                 |
|  |                |      | *Graphite      | 500             |                 |
|  |                |      | *Non Asbestos  | 500             | Klinger C-4400  |
|  |                |      | *Buna-N        | 250             |                 |
| 048  | Lens           | 2    | Tempered Boro. | 500             |                 |
| 106  | Rotor Assembly | 1    | PTFE/316SS     | 500             |                 |
| 008  | Cushion        | 2    | Non-Asbestos   | 500             | Klinger C-4400  |
| 001  | Retainer 1     | 2    | Carbon Steel   |                 | ASTM A-216 WCB  |
|  |                |      | 316SS          |                 | ASTM A-351 CF8M |
|  |                |      | Plated Steel   |                 | SAE Gr. 5       |
|  |                |      | *316SS         |                 | ASTM A193-B8M   |
| 137  | Stud           | 8    | Plated Steel   |                 | SAE Gr. 5       |
| 004  | Nut            | 8    | Plated Steel   |                 | SAE Gr. 5       |
|  |                |      | *316SS         |                 | ASTM A194-8M    |

**KEY NOTES:**

- Retainers are the Same Material as the Body
- For NACE Compliance, Please Inquire

| PRODUCT SPECIFICATIONS |       |     |       |     |       |     |        |     |                        |               |
|------------------------|-------|-----|-------|-----|-------|-----|--------|-----|------------------------|---------------|
| FNPT Size              | A     |     | B     |     | C     |     | Weight |     | 1st Rate of Indication | Max Flow Rate |
|                        | In.   | mm. | In.   | mm. | In.   | mm. | lbs.   | kg. | GPM                    | GPM           |
| 1/2                    | 3-3/4 | 95  | 1-1/4 | 32  | 4     | 102 | 7      | 3.2 | 1.0                    | 11.5          |
| 3/4                    | 3-3/4 | 95  | 1-1/4 | 32  | 4     | 102 | 7      | 3.2 | 1.9                    | 19            |
| 1                      | 4-1/4 | 108 | 1-1/4 | 32  | 4-1/2 | 114 | 13     | 5.9 | 2.2                    | 30            |
| 1-1/2                  | 5-1/2 | 140 | 1-3/4 | 44  | 5-7/8 | 149 | 14     | 6.4 | 5.0                    | 69            |
| 2                      | 6-1/4 | 159 | 2     | 51  | 6-3/8 | 162 | 20     | 9.1 | 7.0                    | 112           |

**S16TC Series Configuration Choices:**

Reference the Series S16TC Model Number Matrix on our Website or Inquire with our Sales Team

Gylon® is a Registered Trademark of Garlock Sealing Technologies  
Viton® is a Registered Trademark of the Chemours Company

|   |                            |  |   |            |
|---|----------------------------|--|---|------------|
| <b>JOHN C ERNST LLC.</b>                                |                            |  | www.johnernst.com<br>21 Gail Ct. Sparta, N.J. USA |            |
| Series S16TC Sight Flow Indicator - Rotor 300# Threaded |                            |  |   |            |
| Sheet 1 of 1  | Drawn By WAS               | Tolerances, unless otherwise noted<br>Dec.: ±    Frac.: ±    Ang.: ± |   | Size:<br>A |
| Scale: NTS  | Approved By:GEW            |  |   |            |
| Date: 16-FEB-18   | Dwg. No.: SC2.S16TC.01.0.0 |  |   | Rev.: A    |