

MATERIAL: SEE B/M  
 DRAWN: TFK  
 SCALE: NONE

CHECKED: DEP  
 DATE: 9-02-97



5005-DW, 5005-DW-300  
 5005-DW-600  
 SAFETY SIGHT GLASS

Section: T400  
 Bulletin: T400.50  
 Date: 09/01/03  
 Supersedes: 12/01/00

150,300,600 PSIG MODELS

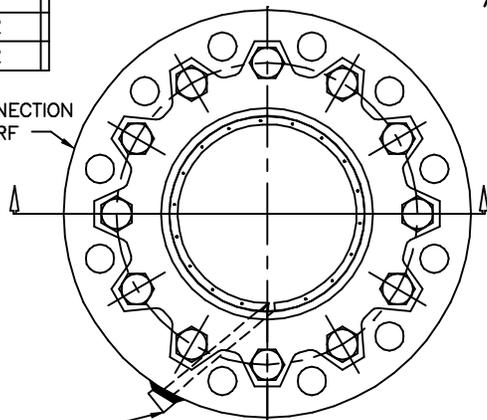
FILE NO.: T400-50.DWG

| # OF BOLTS |       |
|------------|-------|
| SIZE       | STUDS |
| 2 IN       | 4     |
| 3 IN       | 4     |
| 4 IN       | 8     |
| 6 IN       | 8     |
| 8 IN       | 8     |
| 10 IN      | 12    |
| 12 IN      | 12    |

Full-View Dual Window



Approved



ASME FLANGE CONNECTION  
 PER B16.5 RF

OPTIONAL SPRAY RING SHOWN  
 1/4" FNPT CONNECTION

STANDARD DESIGN MATERIALS:

BODY: ASTM A105 (STEEL)

ASTM A182 (316, 304 SS)

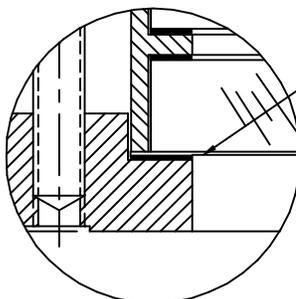
RETAINER: ASTM A516-70

OR A216-WCB (STEEL)

FASTENERS: SAE GRADE 5 (STEEL)

OPTIONAL ALLOYS FURNISHED UPON REQUEST

TFE LINING STANDARD OPTION



UNSHIELD WINDOW PROTECTION  
 KEL-F, MICA, OR TFE  
 SHIELD OPTION  
 PROTECTS GLASS  
 FROM MEDIUM

PARTS LIST

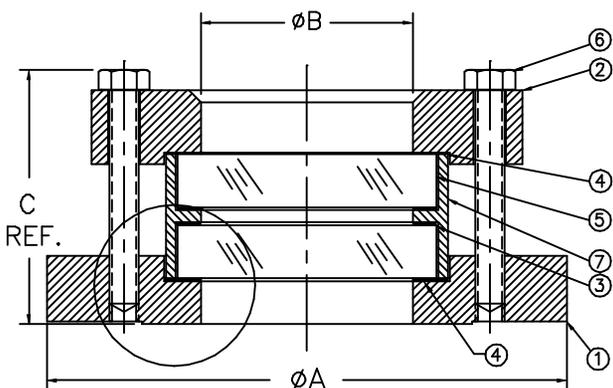
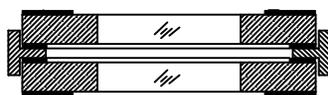
| PIECE NO. | NAME OF PART | QUAN. | MATERIAL     | COMMENTS |
|-----------|--------------|-------|--------------|----------|
| 1         | BODY         | 1     | SEE BELOW    |          |
| 2         | RETAINER     | 1     | STEEL        |          |
| 3         | CUSHION      | 2     | FIBER        |          |
| 4         | SEAL GASKET  | 2     |              |          |
| 5         | WINDOW       | 2     | BOROSILICATE |          |
| 6         | BOLT         |       | STEEL        |          |
| 7         | CARTRIDGE    | 1     | 316 SS       |          |

PRESSURE/TEMP RATINGS

| TEMP<br>F  | ALL MATERIALS |          |          |
|------------|---------------|----------|----------|
|            | 150 PSIG      | 300 PSIG | 600 PSIG |
| -20 TO 100 | 150           | 300      | 600      |
| 150        | 150           | 300      | 600      |
| 200        | 150           | 300      | 600      |
| 250        | 150           | 300      | 600      |
| 300        | 150           | 300      | 600      |
| 350        | 150           | 300      | 600      |
| 400        | 150           | 300      | 600      |
| 450        | 150           | 300      | 600      |
| 500        | 150           | 300      | 600      |

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OPTIONS  
 DUAL UNIGLAS  
 WINDOWS



DETAIL "A"

| SIZE  | FLANGE<br>PSIG | A     |     | B     |      | C    |      | APPROX WGT. |      |
|-------|----------------|-------|-----|-------|------|------|------|-------------|------|
|       |                | IN    | mm  | IN    | mm   | IN   | mm   | LBS         | KGS  |
| 2 IN  | 150            | 6.00  | 152 | 2.00  | 50.8 | 2.63 | 66.8 | 7.0         | 3.2  |
| 2 IN  | 300            | 6.50  | 165 | 2.00  | 50.8 | 2.72 | 69.1 | 9.0         | 4.1  |
| 2 IN  | 600            | 6.50  | 165 | 2.00  | 50.8 | 3.09 | 78.4 | 10.0        | 4.5  |
| 3 IN  | 150            | 7.50  | 190 | 3.00  | 76.2 | 3.06 | 77.7 | 13.0        | 5.9  |
| 3 IN  | 300            | 8.25  | 210 | 3.00  | 76.2 | 3.69 | 93.7 | 20.0        | 9.1  |
| 3 IN  | 600            | 8.25  | 210 | 3.00  | 76.2 | 4.31 | 109  | 23.0        | 10.4 |
| 4 IN  | 150            | 9.00  | 229 | 4.00  | 102  | 2.94 | 74.7 | 21.0        | 9.5  |
| 4 IN  | 300            | 10.00 | 254 | 4.00  | 102  | 4.00 | 102  | 36.0        | 16.3 |
| 4 IN  | 600            | 10.00 | 254 | 4.00  | 102  | 4.75 | 121  | 45.0        | 20.4 |
| 6 IN  | 150            | 11.00 | 279 | 6.00  | 152  | 3.56 | 90.4 | 30.0        | 13.6 |
| 6 IN  | 300            | 12.50 | 318 | 6.00  | 152  | 4.78 | 121  | 54.0        | 24.5 |
| 6 IN  | 600            | 14.00 | 356 | 6.00  | 152  | 6.59 | 167  | 86.0        | 39.0 |
| 8 IN  | 150            | 13.50 | 343 | 8.00  | 203  | 4.16 | 106  | 47.0        | 21.3 |
| 8 IN  | 300            | 15.00 | 381 | 8.00  | 203  | 6.09 | 155  | 90.0        | 40.8 |
| 8 IN  | 600            | 16.50 | 419 | 8.00  | 203  | 7.90 | 201  | 137.0       | 62.1 |
| 10 IN | 150            | 16.00 | 406 | 10.00 | 254  | 5.75 | 146  | 75.0        | 34.0 |
| 12 IN | 150            | 19.00 | 483 | 10.00 | 254  | 5.81 | 148  | 95.0        | 43.1 |