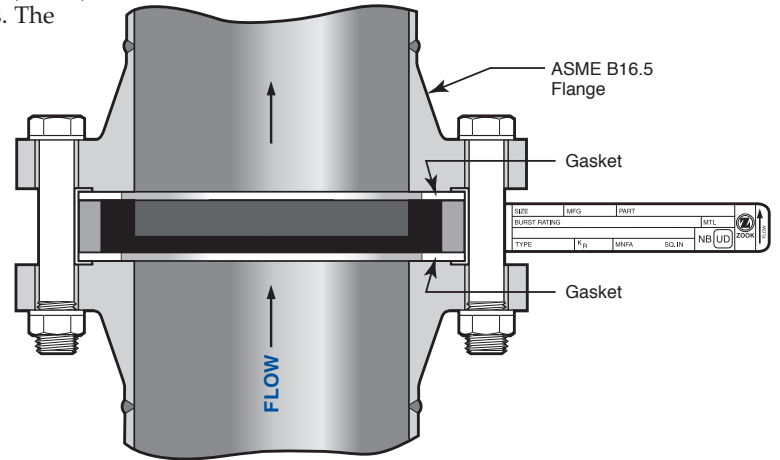
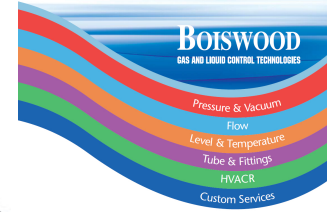


INVERTED Type

the best choice for higher burst ratings

- Sizes 1/2" thru 24" diameters
 - Designed to fit ASME B16.5 Class 150 and 300 flanges
 - Burst ratings 0.25 to 1,000 psig or higher
 - 0% manufacturing range
 - Flat surface of the disk contacts the process media
 - Operating pressures to 90% of the disk's marked burst pressure (Contact ZOOK for operating ratio for burst pressures below 40 psig)
 - Temperature ratings -290°F to +700°F (-179°C to +371°C) Maximum temperature rating without insulation is 430°F (221°C) or 700°F (371°C) with insulation. Contact ZOOK for higher temperature ratings. The specified temperature shall be at the disk location at the time when the disk is expected to rupture
 - Stocked INVERTED Disks, ready for immediate shipment.
 - Sizes: 1", 1-1/2", 2", 3" to fit ASME B16.5 Class 300 flanges
 - Burst Ratings: 175, 200, 225, 250, 275, 300 psig @ 72°F (22°C)
- Note: Sizes 6" and 8" ASME B16.5 Class 150 flanges with burst ratings 125, 150 psig @ 72°F (22°C) are stocked in INVERTED type
- ASME B16.5 Class 300 disks are armored
 - ASME UD marking available



Certified Flow Resistance Factor (K_{rgl})

| Type | K _{rgl} |
|----------|------------------|
| INVERTED | 0.64 |

Specifications – ASME B16.5 Class 150

| Nominal Disk Sizes | Minimum net flow area (MNFA) sq. inches | Disk Dimensions | | | | Burst Ratings psig | |
|--------------------|---|-----------------|---------|---------------|----------------|--------------------|------------|
| | | Diameter | | Thickness* | | Min. | Max. |
| | | I.D. | O.D. | Standard Disk | Insulated Unit | | |
| 1/2" | 0.30 | 0.622" | 1-3/4" | 5/8" | 1-3/4" | 25 | above 1000 |
| 3/4" | 0.53 | 0.824" | 2-1/8" | 5/8" | 1-3/4" | 25 | above 1000 |
| 1" | 0.78 | 1" | 2-1/2" | 7/8" | 2-1/4" | 10 | above 1000 |
| 1-1/2" | 1.76 | 1-1/2" | 3-1/4" | 7/8" | 2-1/4" | 7 | 1000 |
| 2" | 3.14 | 2" | 4" | 7/8" | 2-1/4" | 3 | 300 |
| 3" | 7.06 | 3" | 5-1/4" | 7/8" | 2-1/4" | 2 | 300 |
| 4" | 12.56 | 4" | 6-3/4" | 7/8" | 2-1/4" | 1.5 | 250 |
| 6" | 28.27 | 6" | 8-5/8" | 7/8" | 2-1/4" | 1 | 170 |
| 8" | 50.02 | 8" | 10-7/8" | 1-1/8" | 2-3/4" | 0.50 | 170 |
| 10" | 78.53 | 10" | 13-1/4" | 1-1/2" | 3-3/8" | 0.25 | 150 |
| 12" | 113.09 | 12" | 16" | 2" | 4-3/8" | 0.25 | 150 |
| 14" | 137.88 | 13-1/4" | 17-5/8" | 2-1/4" | 4-7/8" | 0.25 | 150 |
| 16" | 182.65 | 15-1/4" | 20-1/8" | 2-1/2" | 5-3/8" | 0.25 | 150 |
| 18" | 233.70 | 17-1/4" | 21-1/2" | 2-3/4" | 5-7/8" | 0.25 | below 150 |
| 20" | 291.03 | 19-1/4" | 23-3/4" | 3" | 6-3/8" | 0.25 | below 150 |
| 24" | 424.55 | 23-1/4" | 28-1/8" | 3" | 6-3/8" | 0.25 | below 150 |

Specifications – ASME B16.5 Class 300

| | | | | | | | |
|--------|-------|--------|--------|--------|--------|------|------------|
| 1/2" | 0.30 | 0.622" | 2" | 5/8" | 1-3/4" | 25 | above 1000 |
| 3/4" | 0.53 | 0.824" | 2-1/2" | 5/8" | 1-3/4" | 25 | above 1000 |
| 1" | 0.78 | 1" | 2-3/4" | 1" | 2-1/2" | 10 | above 1000 |
| 1-1/2" | 1.76 | 1-1/2" | 3-5/8" | 1" | 2-1/2" | 7 | 1000 |
| 2" | 3.14 | 2" | 4-1/4" | 1" | 2-1/2" | 3 | 500 |
| 3" | 7.06 | 3" | 5-3/4" | 1-1/4" | 3" | 2 | 500 |
| 4" | 12.56 | 4" | 7" | 1-1/4" | 3" | 1.5 | 500 |
| 6" | 28.27 | 6" | 9-3/4" | 1-3/4" | 4" | 1 | 450 |
| 8" | 50.02 | 8" | 12" | 2-1/4" | 5" | 0.50 | 450 |

*Standard disk thickness does not include gaskets. Insulated unit thickness includes all gaskets

Note: Maximum pressure rating of ASME B16.5 Class 150 flanges is 290 psig @ 100°F (38°C). ASME B16.5 Class 300 flanges is 750 psig @ 100°F (38°C). The maximum pressure rating is lower at higher temperatures. Reference ASME/ANSI B16.5