

Vacuum to 1,000 psi (100 to 6,900 kPa)



#### Description & Features:

- Various materials and configurations available to fit your specific application
- Unique WinCONNECT fitting allows for easy field removal of gauge or switch for calibration, repair or replacement without interrupting process flow
- Thicker break-resistant instrument stem
- Optional tees for installation of multiple instruments
- ASME B40.100 compliant
- 5 year warranty

#### Applications:

- This isolation ring is ideal for measuring pressures of viscous or slurry media, utilizing a flow-through system that eliminates clogging or pressure blocking from occurring
- Designed for installation in water treatment facilities, mining and pulp & paper plants

Note: WinCONNECT comes standard with all D81 Isolation Rings

#### Order Codes

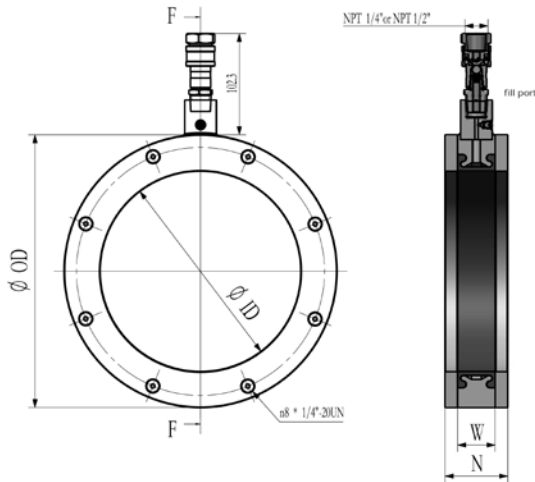
| Specifications        |          |                                                                 |
|-----------------------|----------|-----------------------------------------------------------------|
| Sensor Type           | WIR      | Wafer, nests inside bolt circle                                 |
|                       | RIR      | Full flange (150# standard, 300# optional)                      |
|                       | SIR      | Threaded connections                                            |
| Pipe I.D.             | 1" - 48" | 1" (25mm) up to 48" (1,220mm). Consult factory for larger sizes |
| Centre Section        | C        | Carbon Steel                                                    |
|                       | S        | 316 SS                                                          |
| End Plates            | S        | 316 SS                                                          |
|                       | A        | Acetal                                                          |
|                       | TEF      | PTFE                                                            |
|                       | H        | Hastelloy® C                                                    |
|                       | T        | Titanium                                                        |
|                       | U        | UHMW / Ultra High Molecular Weight Polyethylene                 |
| Elastomer (Sleeve)    | N        | Neoprene (-20°F to 220°F)                                       |
|                       | B        | Nitrile (Buna N) (-20°F to 180°F)                               |
|                       | E        | EPDM (-20°F to 300°F)                                           |
|                       | P        | PTFE (-40°F to 400°F)                                           |
|                       | V        | Fluoroelastomer (FKM) (-4°F to 392°F)                           |
|                       | R        | Natural rubber (-49°F to 212°F)                                 |
| Fill Fluid            | SF       | Silicone (standard)                                             |
|                       | GF       | Glycerin                                                        |
|                       | GW       | Glycerin and water                                              |
| Instrument Connection | 4N       | 1/4" NPTF                                                       |
|                       | 2N       | 1/2" NPTF                                                       |

Not all options are available with all sensor types

Hastelloy® is a registered trademark of Haynes International, Inc.

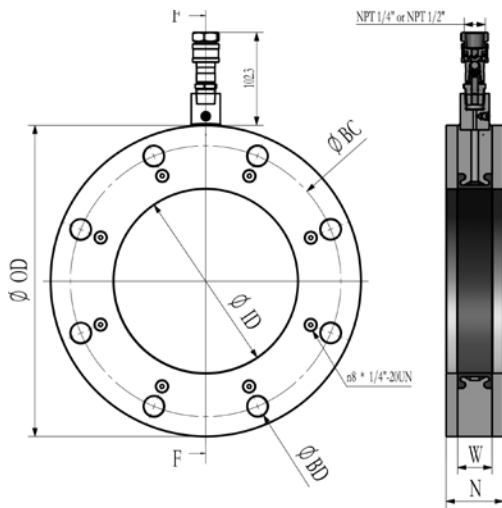
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## Isolation Ring - Wafer Style (WIR)



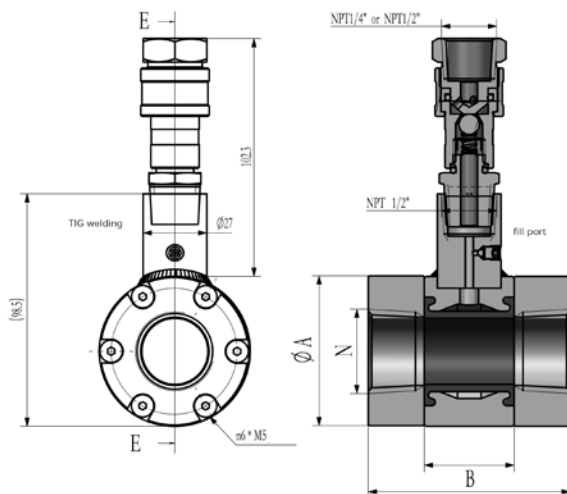
| Dimensions |        |        |       |       |
|------------|--------|--------|-------|-------|
| Size       | ID     | OD     | W     | N     |
| 1"         | 1"     | 2.5"   | 1.24" | 1.87" |
| 2"         | 2.07"  | 4.00"  | 1.50" | 2.13" |
| 3"         | 3.07"  | 5.25"  |       |       |
| 4"         | 4.03"  | 6.75"  |       |       |
| 6"         | 5.99"  | 8.63"  |       |       |
| 8"         | 7.98"  | 10.88" |       |       |
| 10"        | 10.02" | 13.25" | 1.75" | 3.00" |
| 12"        | 12.00" | 16.00" |       |       |
| 14"        | 13.25" | 17.63" |       |       |
| 16"        | 15.25" | 20.13" |       |       |
| 18"        | 17.25" | 21.50" |       |       |
| 20"        | 19.25" | 23.75" |       |       |

## Isolation Ring - Full Flange (RIR)



| Dimensions            |      |        |        |       |       |        |        |                                   |
|-----------------------|------|--------|--------|-------|-------|--------|--------|-----------------------------------|
| ANSI<br>ASME<br>CLASS | Size | ID     | OD     | W     | N     | BC     | BD     | Number<br>of<br>Mounting<br>Holes |
| 150#                  | 1"   | 1"     | 4.25"  | 1.24" | 1.87" | 3.27"  | 0.75"  | 4                                 |
|                       | 2"   | 2.07"  | 6.00"  | 1.50" | 2.13" | 4.75"  | 0.75"  | 4                                 |
|                       | 3"   | 3.07"  | 7.50"  |       |       | 6.00"  |        |                                   |
|                       | 4"   | 4.03"  | 9.00"  |       | 2.25" | 7.50"  | 0.88"  | 8                                 |
|                       | 6"   | 6.07"  | 11.00" |       |       | 9.50"  |        |                                   |
|                       | 8"   | 7.98"  | 13.50" |       | 2.50" | 11.75" | 1.00"  | 12                                |
| 300#                  | 10"  | 10.02" | 16.00" |       | 1.50" | 2.13"  | 5.00"  | 0.75"                             |
|                       | 2"   | 2.07"  | 6.50"  | 2.25" |       |        | 7.88"  | 0.88"                             |
|                       | 3"   | 3.07"  | 8.25"  |       |       | 2.50"  | 10.62" |                                   |
|                       | 4"   | 4.03"  | 10.00" | 2.75" |       |        | 13.00" | 1.13"                             |
|                       | 6"   | 6.07"  | 12.50" |       |       | 15.25" |        |                                   |
|                       | 8"   | 7.98"  | 15.00" |       |       |        |        |                                   |
|                       | 10"  | 10.02" | 17.50" |       |       |        |        |                                   |

## Isolation Ring - Threaded (SIR)



| Dimensions |       |       |
|------------|-------|-------|
| Size N     | A     | B     |
| 0.5"       | 2.50" | 2.87" |
| 0.75"      |       |       |
| 1"         |       |       |
| 1.5"       | 3.25" | 3.37" |
| 2"         | 4.00" |       |
| 3"         | 5.25" |       |
| 4"         | 6.75" |       |



## WinCONNECT Order Codes

| Connection                     | Material        | Code    |
|--------------------------------|-----------------|---------|
| 1/2" Process x 1/4" Instrument | Stainless Steel | FIR0400 |
| 1/2" Process x 1/2" Instrument |                 | FIR0200 |