Datasheet
Spectacle blind

✓ To isolate sections of pipe
✓ A solid plate and a ring attached to each other
✓ Mounted between flanges
✓ Connection piece drilled and bolting placed through the hole: by loosening the bolts the spectacle blind can be rotated in the correct position
✓ In normal operation, to be mounted in the open position « ring spacer »
✓ In case of inspection, to blank off the pipe, to be rotated in the close position « spade »
✓ Spades and spacers can be supplied separately

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Overview

A spectacle blind is a combination of a single blind (solid plate) and a ring spacer manufactured, for field convenience, as a single unit. A spectacle blind is a safety device used to isolate a section of line or a piece of equipment when the line or equipment needs to be inspected or removed from service. It is different from a valve in that the blind is a permanent or long term isolation device.

Weight limitations and the associated difficulty of handling heavy pieces in the field are the primary considerations in specifying a spectacle blind over separate components.

Normally, a spectacle blind is mounted in the open position so that flow through the pipe is possible. Maintenance in a pipesystem can be a reason to rotate the spectacle blind in the close position so that the pipe is blanked off and no flow is possible. This run will take place through the hole drilled in the connection piece. By loosening all the bolts and removing part of them, the spectacle blind can be rotated in the chosen position. After placing new gaskets, the bolts can be re-assembled and tightened.

Technical specifications

Applications – standards

<table>
<thead>
<tr>
<th>Standards</th>
<th>ASME B16.48</th>
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<tbody>
<tr>
<td>Flanges</td>
<td>ASME B16.5</td>
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</table>

Fluid temperature: According specifications

Type of fluid: Gas, steam, liquid

Nominal diameters: Adjusted to the flange size

Maximum operating pressure: Limited by flange rating - from 150# to 2500#

The restriction orifice is dimensionally checked in compliance with the manufacturing quality controls.

Manufacturing is possible according the european directive PED 97/23 CE requirements.

Features

<table>
<thead>
<tr>
<th>Material</th>
<th>Carbon steel, stainless steel, etc</th>
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</table>

Type: RF/FF design to be inserted between flanges with flat seals or spiral wound gaskets

Or RTJ design male or female versions to be inserted between corresponding flanges

Thickness: Calculated taking into account the flange rating

Data plate: Diameter and pressure rating mentioned on the spade or on the paddle when spade and spacer are separated
Examples of drawings

Spectacle blind RF

Spectacle blind RTJ female

Spectacle blind RTJ male