

SANITARY 360°
FULL VIEW
SIGHT FLOW INDICATOR

Douglass

See more, see better



SIGHT FLOW INDICATOR

SANITARY 360° FULL VIEW

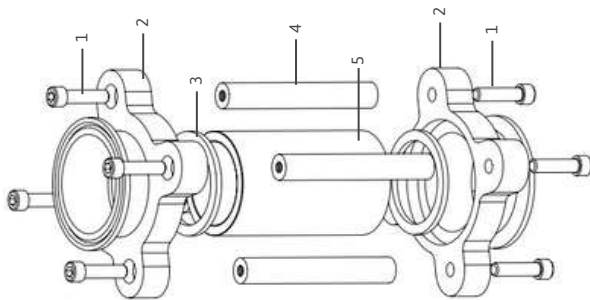
Overview:

A Sight Flow Indicator, is a device used to provide a visual inspection of the fluids within a pipeline. The Sanitary 360° Sight Flow Indicator is specifically designed for applications where hygiene and cleanliness are very important, such as in the food, beverage, pharmaceutical, and biotechnology industries. This type of sight flow indicator allows for a full 360-degree view of the fluid, ensuring comprehensive monitoring and easy detection of any issues in the system.



STAR Model:

The Douglass STAR model is designed to provide maximum support while reducing weight. This makes the STAR model one of the best cost-alternatives in the market, while maintaining an FDA-grade quality and a tightening-system which does not over-compresses the tempered sight glass.



Parts and Materials:

Item	Part name	Material options
1	Allen Bolts	<ul style="list-style-type: none"> Stainless Steel 316L HSS
2	Sanitary Connections	<ul style="list-style-type: none"> Stainless Steel 316L Stainless Steel 304
3	Gasket	<ul style="list-style-type: none"> Buna Neoprene Teflon Sanitary Rubber EPDM Viton
4	Protection Rods	<ul style="list-style-type: none"> Stainless Steel 304
5	Sight Glass	<ul style="list-style-type: none"> Tempered Borosilicate Polycarbonate

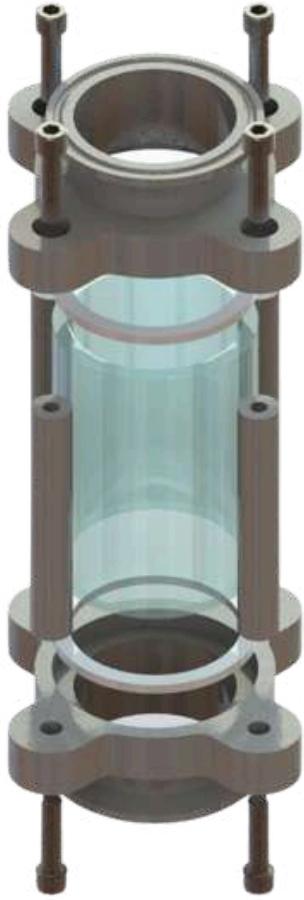
Benefits:

- **STAR Model:** These forged flanges are designed to reduce the weight of the supporting flanges while maintaining the overall support and compression style.
- **Glass Compression:** The length of the protecting rods is exactly calculated so it seals the sight glass without applying compression directly to it. This ensures the tempered glass can truly sustain impacts and changes in pressure without cracking.
- **Sanitary Design:** All materials involved in the manufacture are FDA approved.
- **Easy Installation:** Can be easily integrated into existing piping systems with minimal disruption because of the Tri-Clamp connections.
- **Durability:** The STAR model reduces material usage where it is not important and keeps it where it matters. Its durability is unparalleled in the industry.
- **Compliance:** Meets industry standards for hygiene and safety, ensuring compliance with regulatory requirements.

Key Features:

- **Connection type:**
 - Tri-Clamp Sanitary Connection
- **Flow indication type:**
 - Full View 360° Vision
- **Working pressure:**
 - Up to 150 PSI
- **Working temperature:**
 - From -45°C to 560°C
- **Minimum length:**
 - 75mm
- **Maximum length:**
 - 1500mm
- **Standard CLAMP sizes:**
 - 1", 1 1/2", 2"

SIGHT FLOW INDICATOR SANITARY 360° FULL VIEW



Installation of the Sight Flow Indicator Sanitary 360°

Prepare the Installation Area

- Clean the piping system where the sight flow indicator will be installed.
- Check for any debris, rust, or residues that might affect the installation.

Verify all the parts of the assembly

- Inspect the sight flow indicator for any damages or defects.
- Ensure it matches the specifications required for your system (e.g., size, material).

Install Gaskets or O-Rings

- Place gaskets or O-rings on the ends of the sight flow indicator.
- Apply a thin layer of lubricant if recommended by the manufacturer.

Position the Sight Flow Indicator

- Align the sight flow indicator with the piping system.

Secure the Sight Flow Indicator

- Use pipe clamps or supports to hold the sight flow indicator in place.
- Tighten the bolts or clamps evenly to ensure a good seal and to avoid overstressing the glass or body of the sight flow indicator.

Check for Alignment

- Verify that the sight flow indicator is properly aligned with the piping system.
- Ensure there is no strain on the sight flow indicator from the piping.

Perform a Leak Test

- Slowly pressurize the system and check for leaks around the sight flow indicator.
- Tighten connections if necessary.

Final Inspection

- Ensure all connections are secure.
- Verify that the sight flow indicator is functioning correctly and that the flow is visible through the indicator.

DON'TS

- DON'T overtighten the bolts or clamps as this can stress and crack the sight glass or body.
- DON'T use abrasive cleaning agents or tools that could scratch or damage the sight glass.
- DON'T use with Incompatible Fluids.
- DON'T ignore leaks; address them immediately to prevent system contamination or damage.
- DON'T subject the sight flow indicator to pressures beyond its rated capacity.
- DON'T use any installation methods or operational practices that are not recommended by the manufacturer.
- DON'T expose the sight flow indicator to rapid temperature changes, which can cause thermal shock and damage the glass.
- DON'T neglect regular maintenance, as this is crucial for the longevity and reliability of the sight flow indicator.

DO'S

- DO periodically inspect the sight flow indicator for any signs of wear, damage, or leaks.
- DO keep the sight flow indicator clean to ensure visibility and proper operation. Use appropriate cleaning agents that are compatible with the materials of the indicator.
- DO immediately replace any damaged or worn components to maintain the integrity of the system.
- DO use adequate supports and clamps to secure the sight flow indicator and prevent vibration or movement.

Maintenance

- Regularly check ZIGHT glass for clouding, scratching, erosion, or corrosion. Inspect daily to establish a routine replacement schedule.

Cleaning

- Use non-abrasive cleaners for ZIGHT glass. If needed, use diluted hydrochloric acid, but avoid wire brushes or abrasive materials.

Inspection

- Examine the glass for scratches, corrosion, chips, cracks, or flaws with bright, angled light. Replace glass that is cloudy, roughened, or doesn't clean well.

Storing

- Keep ZIGHT gauge glass in its original packaging until ready to install.

Satisfaction Guarantee

