

*PROCESS OBSERVATION SOLUTIONS*

INSTALLATION, OPERATION & MAINTENANCE MANUAL

FOR: **In-Line Sight Glass**

**NOTICE**  
Never use a pipe wrench, vise or any tools when assembling or disassembling these sight glass units. This will void the warranty.

**Installation**

With the sight glass assembled, clamp the base (male threaded end) to your equipment using normal connection procedures. With one side connected, using gloves, firmly tighten the main body as tight as possible by hand. At this time you are ready to connect the main body.

**Disassembly**

The unit is a simple two-piece body design in which no special tools are required for disassembly. Always use food-grade lubrication on threads, between base, and its gasket (see illustration) when assembling the sight glass. To disassemble the sight glass, simply unscrew the base from the body. If during disassembly, for cleaning or replacing gaskets or inserts, and you cannot unscrew the unit by hand, you can clamp the base (male threaded end) to your equipment using your normal connection procedures. Then, using gloves, firmly grasp and loosen the main body.

**Cleaning**

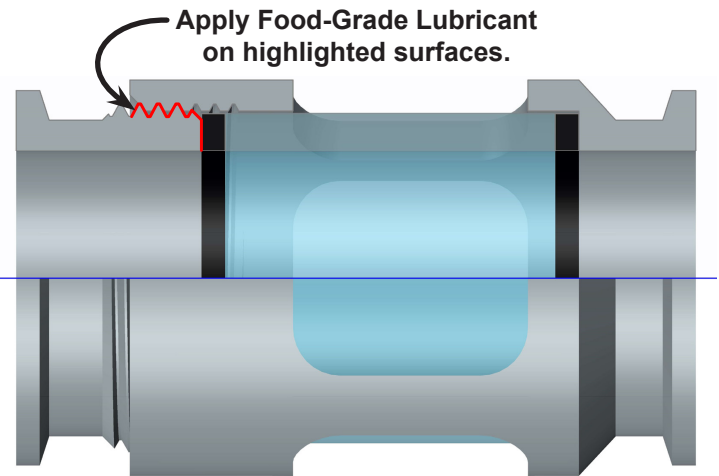
Disassemble the sight glass as prescribed above. Remove inserts and gaskets. Clean parts with appropriate solutions and sterilizers. It is recommended not to use caustic solutions with polycarbonate or polysulfone inserts. Clean parts separately to avoid damage to threads.

**Repair Kit**

Please contact the John C Ernst Company with the part number built from the part number breakdown. Specify size and seal material in the Part Number.

Kit includes:

- One Glass Insert
- Two Seals



**SAFETY INSTRUCTIONS**

Please wear proper Personal Protection Equipment when handling sight glass. At the very least, gloves and safety glasses should be worn.

**CAUTION**

These units should only be used between fixed installations. Never use where one end is free for movement or able to turn while unit is secured with sanitary clamps as this will cause it to leak or unscrew.

**CAUTION**

If insert becomes cracked, chipped or grazed. Replace insert at once. Use of damaged inserts can lead to injury or loss of process.

## LIMITED WARRANTY

**Period of Coverage:** The John C. Ernst LLC. expressly warrants products to the original purchaser to be free from defects in the material and workmanship for 12 months from date of shipment. John C. Ernst LLC. will, at its option, replace or repair any products which fail during the warranty period due to defective material or workmanship. Evaluations, repairs, and replacements will most often occur in Sparta NJ 07871 USA, or another facility determined by the John C. Ernst LLC.. The warranty does not cover costs required to transport warranted units to or from the John C. Ernst facility.

**Limitations:** The responsibility of the John C. Ernst LLC. is hereunder limited to repairing or replacing the product at its expense. This warranty shall not apply if the product has been disassembled, tampered with, repaired, subjected to misuse, neglect, accident, or otherwise altered in any way. The warranty does not guarantee products against normal wear, glass breakage, clouding, or corrosion. The John C. Ernst LLC. shall not be liable for loss, shipping costs, damage, or expenses related directly or indirectly to the installation or use of its products. It is expressly understood that the John C. Ernst LLC. is not responsible for damage or injury caused to other products, buildings, personnel, citizens, or property by reason of the installation or use of its products.

Advertised ratings apply only to units serviced with parts supplied by the John. C. Ernst LLC. Use of parts during maintenance from other companies will void the warranty. Service must be done in accordance with the instructions of the product that is being serviced.

THIS IS JOHN C. ERNST, LLC's. SOLE WARRANTY AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED WHICH ARE HEREBY EXCLUDED, INCLUDING IN PARTICULAR ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WE WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY NATURE.

**How to get Warranty Service:** Prior to submitting any claim for warranty service, the owner must submit proof of purchase, and obtain written authorization to return the product. All returns must be sent back with an MSDS for the application that the product was used in, and with a maintenance log of all service including inspections. Thereafter, the product shall be returned to the John C. Ernst LLC. with freight paid and packaged to prevent damage in transit. Should damage in transit occur the John C. Ernst LLC. will not be held liable.