



## ME875-16GSK, ME875-24GSK Sight Flow Glass Seal Kits

### **!WARNING!**

Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage, personal injury or death.

MEC equipment must be installed, operated, and maintained in accordance with federal, state, and local codes as well as manufacturer's instructions. The installation in most states must also comply with NFPA No. 58, and ANSI/CGA G-2.1.

For installation in the European Union, the equipment must also comply with PED/TPED and EN ISO standards. Periodic inspections, intermediate inspections and exceptional checks of transportable pressure equipment should be carried out in accordance with the Annexes of Directive 2008/68/EC and with 2010/35/EU Directive (TPED) to ensure continued compliance with their safety requirements.

Only personnel trained in the proper procedures, codes, standards, and regulations of the LP-Gas industry should install and service this equipment.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

### **Repair Kit compatibility**

The ME875 GSK repair kits are to replace the outer glass seals on the ME874S-16, ME875S-16, and ME875S-24 series Sight Flow valves.

### **Glass Removal**

#### **!EXPLOSION HAZARD!**

Evacuate all liquid/gas product both upstream and downstream from the sight flow valve prior to disassembly or repair. Failure to follow this warning could result in serious or fatal personal injury or property damage from a fire or explosion in the event of an unintentional release of product during repairs.

For each side of the Sight Flow:

1. Remove set screw [2] from Glass Retainer [3] and discard.
2. Use the holes in the Glass Retainer [3] to rotate counterclockwise and loosen the retainers. Hole diameters are  $\varnothing.38$  for both sizes.

3. Remove and discard the existing Gasket [4] and O-ring [6]. Remove Glass [5] and safely retain for re-installation.
4. Inspect Glass [5] for cracks, gouges or other significant damage. If severe defects are found, do not rebuild Sight Flow and instead remove assembly from system entirely.

### **Re-Installation**

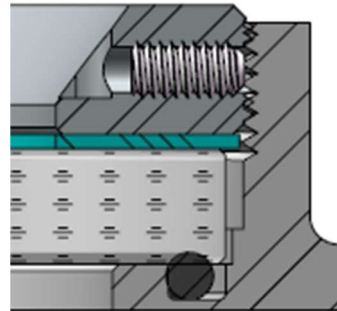
For each side of the Sight Flow:

1. Apply Lubriplate #107 or equivalent grease to O-ring [6]. Install O-ring into groove of Body [1].
2. Clean Glass [5] and place into Body [1] to compress O-ring [6].
3. Place new Gasket [4] on top of Glass [5], then thread in Glass Retainer [3]. Apply torque to approximately 150 ft-lb / 200 Nm, in order to compress Gasket and O-ring to ensure sealing.

#### **!CAUTION!**

**Do not impact the retainers. Impacting or over-tightening the retainers can risk damage to the glass.**

4. Install new Set Screw [2] into Glass Retainer [3]; tighten to lock screw point against Body [1].



5. Connect the valve assembly to a pressure source and slowly increase pressure from 10psi / 69 kPa to at least 150psi / 1040 kPa. Check for leaks around the glass retainer while pressure rises, using a suitable leak detector solution such as "Marshall Excelsior" leak detector.

#### **!CAUTION!**

**DO NOT USE THE VALVE IF ANY PART OF THE SIGHT FLOW CONTINUES TO LEAK UNDER PRESSURE.**

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