

High Cost of Gauge Glass Repair

Promag has recently conducted a study on gauge glass repair costs. This study was performed by speaking with many repair and maintenance people in the field of gauge glass repair. We specifically asked for their input on the amount of time that is required to take a gauge glass unit, and put it back together.

The facts are a result of our study:

FACT: While there are many different manufactures of gauge glass,(Jerguson, Penberthy, and Daniels are some of the most common brand names.); all of these products are considered to be basically the same. By this we mean, the gauge glass produced by these manufactures **all need replacement at some time.** The frequency of replacement of each of product depends on the application and media.

FACT: Approximately **8 hours** by two people is required for the change out of each section of glass. This change out of the glass includes the following:

- 1. Removing the unit from the tank or boiler**
- 2. Cleaning the unit**
- 3. Installation of the new parts**
- 4. Tightening the entire unit**
- 5. Reinstallation of the unit on the tank or boiler**

FACT: When the gauge glass is repaired it is found that other parts of the unit are also in need of repair or replacement. Parts of significant importance are as follows:

- 1. Gaskets**
- 2. Glass**
- 3. Cushions**
- 4. Mica**
- 5. Kel F shields**

FACT: A special procedure must be followed to tighten gauge glass. If this procedure is not followed carefully, which is often the case, the results can be broken glass or a leak in the unit. Both of these results can be **very** costly.

We have also found that there are many horror stories of **2 weeks** repair delays after the unit is removed from the tank. Further, valves that often stick or have to be repaired or replaced, add to the total cost and delay.

FACT: Remember, every minute the tank is down for repairs means that the tank is not productive. This down time is **costing you money.**

For example, a typical gauge glass repair for a four section one piece transparent unit costs about **\$3800.00** to repair

This is a maintenance cost above and beyond the initial unit price.

You must take into consideration, **why would you want to spend money on maintenance of gauge glass when it is not necessary?**