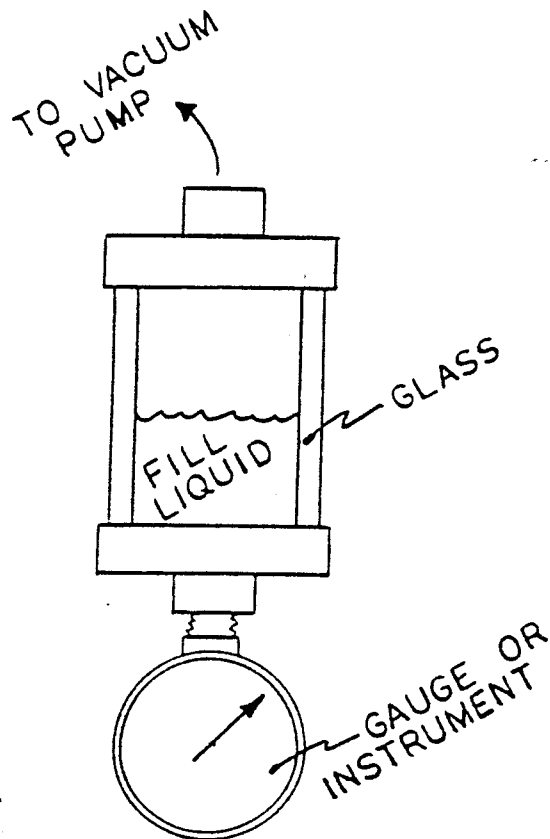


VACUUM FILLING PROCEDURE For Series GGM and GGMU Gauge Guards

There must not be any air bubble in the gauge side of the gauge/guard assembly. Vacuum evaluation is necessary with some gauges and instruments, because the internal shape prevents total filling with the fill liquid.



Note: The following procedure will apply a full vacuum to the Instrument you are mounting to the Gauge Guard. If this could damage the instrument, it can not be vacuum filled

1. Pour oil in to the upper gauge Guard cavity(1/4" NPT side) and tilt the Gauge Guard back and forth to be sure that no air is trapped within. Fill to the top of the threads.
2. Attach a clear chamber(such as our GX050 with reducer) to the instrument
3. Pour an adequate amount of fill liquid into the chamber.
4. Attach a vacuum pump via quick connect. Etc. to the open end of the chamber.
5. Turn on the vacuum pump and watch as air bubble exit the instrument
6. Let the vacuum pump reach at least 29 inches of Mercury, then turn it off.
7. There should still be some liquid remaining in the chamber-if not, some air has entered the instrument. Add more fill liquid & repeat procedure from step 4.
8. Disconnect the instrument, then turn it over quickly(so the liquid does not run out) and screw it into the 1/4" NPT Gauge Guard port. A very small amount of trapped air should not adversely affect the accuracy of the instrument.