

Flanged Magmeter Maintenance Tips

We've compiled a list of meter maintenance tips to ensure optimal performance and longevity of your new iMAG4700 or AG3000 flow meter.

1. Our iMAG4700 and AG3000 flanged magmeters, are somewhat delicate pieces of instrumentation and should be treated as such. Evidence of excessive damage due to vibration or rough-handling may void your warranty.
2. When moving your AG3000 or IMAG4700 flanged magmeter, do NOT use machinery that must be inserted through the center of the meter (i.e. the forks of a forklift). Such methods of transport may damage the liner beyond repair and will void your meter warranty. Meters may be transported or lifted using the bolt holes on the flanges or straps around the body.
3. After initial installation, ensure your screw-on display cover has a good, tight seal. Check all plugs and strain reliefs if used. All fittings should be tight and sit flush to their sealing surface.
4. If you have reason to access the electronics housing after installation and need to remove the screw-on display cover, it's imperative that you clean the sealing surface before reinstalling the cover. The cover MUST seal properly, or you risk damage to the electronics and an expensive non-warranty repair. Following initial installation, there should be no reason to open the cover. If you are getting into the upper housing on a consistent basis, please contact the factory or your local distributor for possible options.
5. Never leave the display cover off unattended. The inside of the housing holding the meters battery and circuitry should NEVER be exposed to moisture, including direct water contact or condensation.
6. There are four stainless steel measurement electrodes on the inside of the flow spool. These need to remain relatively clean in order to measure flowing water. Clean water has minimal affect on the electrodes, but some applications can leave a coating on them, preventing the meter from reading flow. Depending upon the application, the meter may need to be pulled from the line and inspected and cleaned periodically.
7. The electrode directly beneath the housing and the one opposite of it are ground electrodes. The ground electrodes can develop a crispy, brittle coating and may require periodic cleaning.