

PETRO-METER CLEANING KIT

PART NO. 1329-012

The **1329-012 Cleaning Kit** has been designed to offer users of our Model 1329 Remote Reading Tank Gauges a means of cleaning their indicator when needed in an effort to improve operation. Use this kit when your Model 1329 Gauge shows obvious signs of external contamination, or should you simply wish to charge your existing indicator with fresh, bright-red indicating fluid.

Please note that the Model 1329 Tank Gauge is a sealed unit and cannot be disassembled for service. With the use of this kit and our step-by-step instructions, it is possible to restore the functionality of an existing Model 1329 Gauge affected by the corruption of its indicating fluid due to external debris or other form of contamination. Petro-Meter does not guarantee that by using this kit every attempt will be successful as certain internal blockages may be impossible to remedy. Should an internal blockage permanently compromise the operation of your gauge, repairing it will not be feasible and we can only suggest that you consider replacing your Model 1329 as a next course of action.

This kit features a 60cc bottle of cleaning solvent, a replacement cork washer, and a 1" spanner wrench to aid in the removal and re-installation of the Gauge Aerator (hand pump). It is recommended that the Aerator be removed prior to any attempt to drain or clean your Model 1329 Gauge. Once cleaned, replace the existing cork washer with the new one provided and re-install the Aerator using the spanner wrench.

- 1** Disconnect the 1/4" copper TRANSMISSION line from the brass elbow connection located on the upper right-side of your Gauge.
- 2** Dismount Gauge from the wall while ALWAYS keeping it in a vertical (upright) position. *Note: Never lay a dismounted Model 1329 Gauge horizontally unless the TRANSMISSION line connection elbow is plugged and the Aerator is securely locked. This is done by pushing the Aerator down as far as it will travel, and spinning it counterclockwise until the internal threads hold it in its closed position with its spring fully compressed.*
- 3** Remove Aerator with the spanner wrench by turning it counterclockwise using either of the two small opposing recesses located on the Aerator base.
- 4** Pour used Red-X indicating fluid out from the Gauge through the brass elbow into a glass or plastic container. Dispose as instructed in product MSDS literature; please contact us as needed. **Caution: Keep away from eyes and handle with care as this material is corrosive in nature.**
- 5** Inspect both brass elbow and female threaded Aerator connector block for the collection of sediments and/or caked-on debris. The Aerator operates by drawing air from the surrounding environment and as a result, it is likely to create an accumulation of sediment deposits at its base. Loosen debris if possible with a piece of wire or other narrow, rigid instrument or tool (1/8" drill bit or smaller, etc.).
- 6** If a compressed air source is available (ie. compressor, canned compressed air cleaner/duster for office equipment), blow gas into brass elbow first in an effort to force debris out through Aerator connection outlet. Please keep in mind that all cleaning efforts with compressed gas should take place in a work area as impurities will be forced out of the instrument under pressure increasing the possibility of soiling and/or staining in the surrounding area. **Safety glasses and gloves are recommended for the handling of residual Red-X under pressurized conditions.**
- 7** Once complete, reverse step (6) and blow gas source into the female threaded Aerator connector block forcing any remaining debris out through the brass elbow outlet. Slowly pour approximately half of the bottle of cleaning solvent into the brass elbow.
- 8** Plug elbow outlet and Aerator outlet temporarily with fingers while shaking Gauge vigorously. This will help circulate cleaning solvent through all of the narrow air passages within your indicator.
- 9** Temporarily re-install Aerator only hand-tight and use pumping action to force cleaning solvent up the glass column: by placing thumb on brass elbow, instrument will pressurize and cleaning solvent level will rise in glass column. Remove thumb releasing pressure as the liquid level approaches the top of the glass column and repeat the process as needed. This procedure in effect produces a "pneumatic scrubbing" of all internal air passages.
- 10** Remove the Aerator, empty the Gauge as indicated in Step (4) and repeat process starting at Step (7) as needed. Each cleaning fluid bottle contains sufficient solvent to allow for at least two thorough cleaning procedures as outlined.
- 11** Thoroughly dry the Gauge internally with compressed air or gas as outlined in Step (6). If possible, hang Gauge upside-down for 24 hours to ensure the complete drainage and evaporation of residual cleaning fluid. It is important that the Gauge be completely before refilling as trace amounts of cleaning fluid left within an indicator may dilute the new charge of Red-X potentially altering future readings.
- 12** Replace Aerator cork washer and permanently re-install Aerator using spanner wrench. For additional torque, consider adding an extension tube or pipe to the spanner wrench handle.
- 13** Follow the refilling instructions provided with your Petro-Meter Gauge refill once these steps are complete.



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