molstic metering valve adjustment

This procedure is intended for Fluke Calibration customers with a molbox/molbloc flow calibration system and optional metering valves for low and mid molstics mounting systems

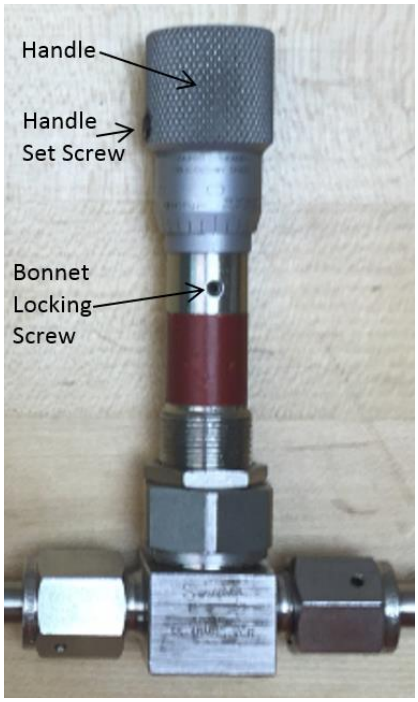
Purpose

This document instructs how to adjust the metering valve to achieve a lower flow at the zero position.

Notes

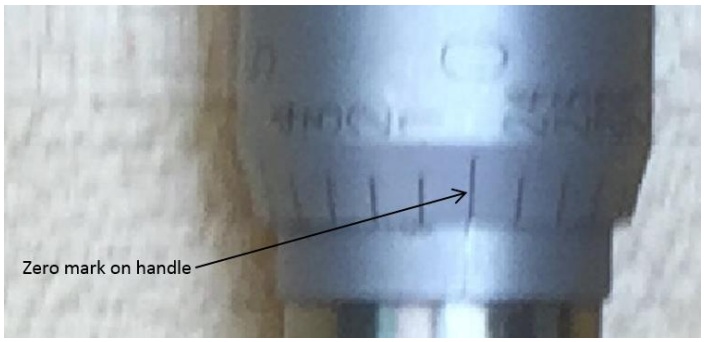
The metering valve is not a shut-off valve. Forcing it closed may cause the needle to damage the seat and will increase the minimum flow. This procedure may be completed with the metering valve mounted to a molstic. It does not need to be removed, but can be if desired.

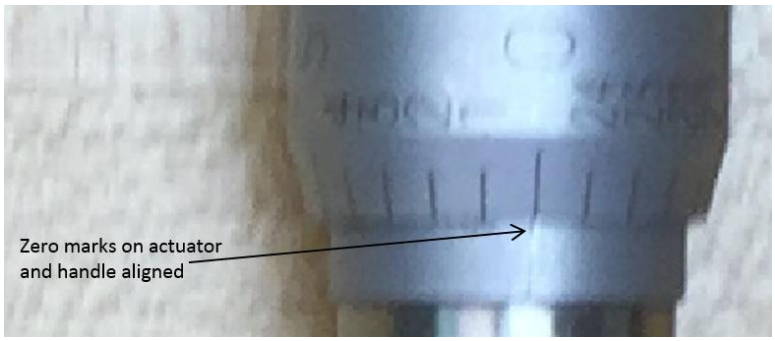
Parts Identification



Instructions

1. Remove the handle and the bushing with a 1/8 inch hex wrench.
2. Turn the actuator until fully closed (finger-tight). When new it should already be closed or almost closed. Don't close with a wrench because the needle can damage the seat. If it won't turn, loosen the bonnet locking screw with a 1/16 inch hex wrench. Check the flow rate.
3. With the bushing bottomed-out against the top of the bonnet (this prevents the valve from being closed more), tighten the bushing set screw (make sure the bushing set screw is aligned with the flat on the actuator).
4. Align the zero marks on the handle and actuator and tighten the handle.





5. If desired to hold a steady flow, tighten the bonnet locking screw in that position.

End of Procedure

Fluke Calibration. *Precision, performance, confidence.™*

Electrical | RF | Temperature | Pressure | Flow | Software

Phone: 1 (877) 355-3225
Email: flowsupport@flukecal.com