



In June, The Fluid Controls Institute (FCI) issued a communication stating ANSI/FCI 70-3-2016, Regulator Seat Leakage, was notified by the ANSI Board of Standards Review that the standard was approved as an American National Standard.

This standard is similar to ANSI 70-2, Control Valve Seat Leakage, but eliminates Class V as this is generally not required in regulators. In the other classes, leakage requirements are the same regardless of valve type, regulator or control valve.

Two additional leakage classes have been added, Class VII and Class VIII. Class VII allows the same leakage as Class VI, but is tested at higher pressures, i.e., the maximum operating differential pressure or 250 psi, whichever is less. Class VIII establishes a "no permissible leakage" standard. Test medium, pressures and temperatures are the same as Class VI but "No observable bubbles" are allowed for a period of one minute. The regulators meeting the Class VIII standard normally are resilient (rubber) seated with "O" rings or similar seals.

## **What does this mean for us?**

It might be weeks, months or longer before we see this standard and the associated new leakage classes specified as a requirement. Even so, it is important to know the revised standard and new leakage classes exist. It is also important to understand if a product is currently not Class VI, it will NEVER meet Class VII or Class VIII. In all likelihood, a regulator meeting Class VII or Class VIII will have to have a rubber seat. Over the coming months, manufacturers will be testing regulators to the new standard.

How do you think this new standard will impact you or your business?