



Look Ma, No "Cheater Bar."

Opening and closing valves can become a major problem for companies operating high-purity gas filling stations. If a minute leak develops in a closed valve and goes undetected, an entire mix can be compromised. To avoid the problem, workers often try to assure tight shut offs by resorting to the use of "cheater bars." This can only compound the problem because excess valve handle torque damages the valve components.

Fortunately there is a simple and cost effective solution to leaky shut-offs in high pressure valves:

Switching to O-Seal Valves from CPV Manufacturing, Inc.

Oxygen Service Company (OSC), a specialty gases distributor in St. Paul, MN discovered this answer when the company decided to try O-Seal Valves as an experiment three years ago. It all started when Mike McFadden, the representative handling the OSC account for CPV distributor Mueller Sales Corp. in New Hope, MN learned that OSC was setting up a new helium gas rack where leakproof integrity would be of the highest priority. Since the Teflon seals on the valves that OSC had previously used were easily damaged, the company decided it was time to try CPV valves. Given the precision control required by this application, the rugged durability of CPV valves would make a perfect match.

Not only did these valves deliver absolute reliability, they are specifically designed to be opened and closed by hand. No "Cheater bar" required. Even after thousands of openings and closings, O-Seal Valves from CPV will continue to deliver absolute leakproof assurance to 6000 psi.

In addition to the CPV 380 Panel Mounted O-Seal Valves ordered for this first job, McFadden convinced OSC to add an assortment of CPV O-Seal bulkhead and tailpiece fittings to assure gas-mixing reliability throughout the system.

Additional CPV O-Seal Valve advantages

During the trial period OSC found the O-Seal System's reliability made it a lot easier for workers to change from one gas mix to another. Moreover, the slip-in, slip-out



Larry Lemay of Oxygen Service Company, Mike McFadden, CPV Sales Rep for Mueller Sales Corp., Bill Whipka, Plant Manager, OSC.

installation design meant O-Seal Valves can be readily taken off-line to change seals and other internal valve parts during routine maintenance.

As a result of these and other superior performance features, OSC decided to change over their entire 40,000,000 cu. ft. per year filling operation to CPV O-Seal Valves & Fittings.

CPV has been a leading manufacturer of valves and fittings since 1915. The company's innovative designs are well suited to standard applications, as well as one-of-a-kind custom requirements like the OSC installation. For more information or technical literature on O-Seal valves or other CPV Valves & Fittings contact:

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OSC switches to CPV O-Seal valves for manual operation and leakproof assurance to 6000 psi.



There are three basic product lines available from Oxygen Service Company. Pure Gas which is >99.9% nitrogen, argon, helium, oxygen or other specified gases; Ultra High Purity Gas, which offers the same single gas cylinders, but with a purity level increased to 99.999%; and, Gas Mixes which combine a number of different gases in the same cylinder to exact customer formulations.



A typical Oxygen Service Company application might involve the testing and evaluation of the customer's own gas stocks. For example, the customer may need to determine the level of ethane, methane, methanol, ethanol or other hydrocarbon impurities in a particular gas stock. The accuracy readings from gas chromatography testing performed on their own gases is dependent on the purity of the gas supplied by Oxygen Service Company as a carrier.



CPV O-Seal Valves are cast of bronze. The O-Seal Fittings employ soft-sealing O-rings in a number of compositions to meet the rigorous demands of handling specialty gas mixes. CPV O-Seal Valves are easy to install, easy to use, and because they are leakproof to 6000 psi, they assure a very high level of gas purity.



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