

The More You Know



December 6, 2023

Preventing the Big Bang with Oxygen Cleaning

Last week, we discussed medical gases and how Milwaukee Valve covers that service. But that article didn't touch on the challenges of certain gases, specifically O₂... oxygen. When used in medical gas systems, obviously hygiene is essential. But for oxygen service, **combustion prevention** is every bit as critical. Which leads to today's topic... oxygen cleaning.



BA-350TE-OC in a sealed bag, w/tag to signify Oxygen-Clean Assembly

For those not familiar with the terminology, an oxygen-cleaned valve does **not** mean cleaned with oxygen... instead, these valves are cleaned to be used in either liquid or gaseous oxygen service. So what is the difference?

Oxygen is used in many industries, from chemical processing to pharmaceuticals and healthcare. Because of its highly reactive nature, all systems where oxygen is present must be free of contaminant(s) that could serve as a ***fuel for combustion***.

When being used for medical purposes, oxygen

cleaning removes contaminants that can cause direct bodily harm. When used in industrial settings, oxygen cleaning eliminates fire or explosion danger due to flammable contaminants.

For a technical explanation of the oxygen cleaning procedure, [CLICK HERE](#). For a short video on the process, please watch this [YouTube Video](#).

For information on specific applications or gases, [contact your Milwaukee Valve sales representative](#), your regional manager or one of our application engineers today. Or check out the [BA-350STE](#), the Milwaukee Valve 3-piece tube-end ball valve designed for handling medical gases on the company website by clicking [HERE](#).



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