Purifiers – Trace Oxygen Removal

Spec Sheet

This purifier is a proven solution to control your plants vital lifeline on critical gaseous supply of Inert gases. The purifier once installed will provide reassurance that the gas meets your needs. In conjunction with inhouse monitoring ensures reliable gas impurity control.

DeOxo 4.0

DeOxo 4.0 Purifier, Trace Oxygen Removal, **15,000 SCFH inert gas capacity at 3000 PSI** maximum working pressure. Includes the following:

Includes the following:

- Stainless Steel Coiled Catalyst Chamber
- Control Valves (GasFlo packless) – Inlet, Outlet and Bypass
- Pressure Gauge – 2-1/2", 5000 psi
- Piping and fittings – all stainless steel
- Frame assembled with removable side panels for easy access to perform maintenance
- Regeneration Kit pre-installed to allow field regeneration (regeneration requires a single 120V 20-amp) circuit and regeneration gas of 10% CO in N2)
- Flow orifice by gas type
- Can be used in series with DeHydro to remove both H2O and O2
- Recommended to be downstream of the Moisture Purifier (DeHydro)

Operation: The Purifier contains a metal catalyst, primarily copper, which reacts with oxygen to form an oxide. The Purifier is normally piped in series in a typical cylinder filling system. A bypass valve is available to allow purifier to be placed offline if needed.

Regeneration: Once all the catalyst is oxidized it must be regenerated (reduced) using a gas mixture of 10% carbon monoxide (CO) in a balance nitrogen mixture. The reduction reaction occurs efficiently at approximately 400° F. Under the standard conditions, approximately 300,000 SCF of gas can be purified before regeneration is necessary. Regeneration of the Purifier will need approximately 100 SCF of the carbon monoxide/nitrogen mixture.

MADE IN ★ THE ★ USA