

# Aeronex GateKeeper Purifier Model 400KGC

## Product Specification



997-0278

Remove gaseous impurities such as water, oxygen, CO, CO<sub>2</sub>, and H<sub>2</sub> for a better baseline of zero gas.

- Provides pure gas at sub-ppb levels
- Replaces multiple traps
- Operates at ambient temperature
- Constructed of 304 stainless steel
- Patented purifying technology
- Regenerable
- Very high capacity

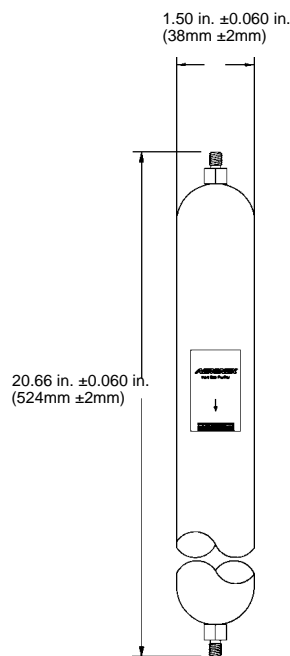
System sensitivity and performance often depend on gas purity. Even UHP gases are subject to contamination from the bottle to the instrument. The GateKeeper® Model 400KGC gas purifier can be used as a final polishing step on generated gases or to protect and improve the quality of UHP cylinder gases.

The GateKeeper Model 400KGC purifier quickly pays for itself by allowing the replacement of high-cost, analytical-grade gas with industrial-grade gas. This point-of-use purifier can improve performance of your analytical equipment, even when copper or plastic tube is installed upstream.

A single GateKeeper purifier can replace several different traps, providing easier installation and operation with less clutter. This point-of-use purifier uses a proven patented technology to remove water, oxygen, CO, CO<sub>2</sub>, and H<sub>2</sub> to sub-ppb levels. The purifier also removes all non-methane hydrocarbons and reduces methane. It does not need to be heated, has a long life, and can be regenerated. The metallic purifying medium does not contain organics that can outgas.

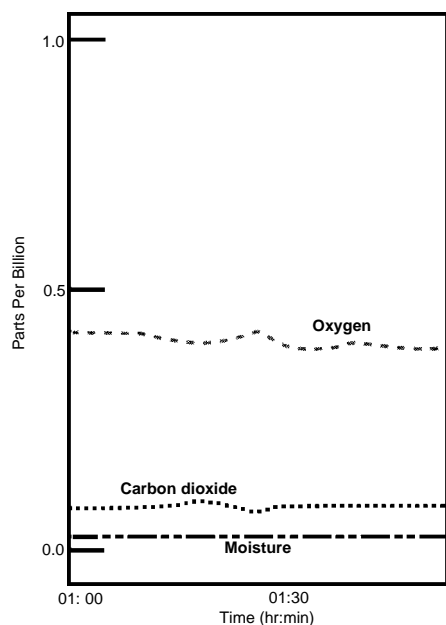
### Specifications

Maximum Flow Rate	5 slm
Maximum Differential Pressure	200 psig (1380 kPa)
Pressure Rating	750 psig (5175 kPa)
Gases Purified	argon, helium, krypton, neon, nitrogen, xenon
Outlet Purity	< 1ppb for H <sub>2</sub> O, O <sub>2</sub> , CO, CO <sub>2</sub> , H <sub>2</sub> or .9999999% pure gas
Operating Temperature	-40°C to 65°C
Housing	304 stainless steel
Leak Rating	1 x 10 <sup>-9</sup> atm cc/sec
Dimensions	20.66" x 1.5" (52.4cm x 3.8cm)
Outlet Filter	0.5µm particle filter
Purifying Media	metallic



797-0435

## Results of Atmospheric Pressure Ionization Mass Spectroscopy (APIMS)



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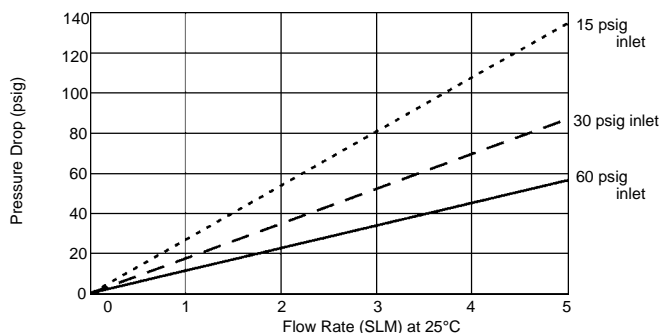
## Ordering Information:

Description	Cat. No.
<b>Aeronex GateKeeper Model 400KGC Purifiers</b>	
With 1/4" compression fittings	<b>502987</b>
With 1/8" compression fittings	<b>502979</b>

GateKeeper is a registered trademark of Aeronex, Inc.

## Pressure Drop

### 400K



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for expert answers to your questions.

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