

PUREGUARD™

The pure and simple choice

purifiers

PureGuard™ Oxygen Gas Purifiers



Model OG-500

PureGuard Oxygen Gas Purifiers include built-in submicron filters which provide filtration for the unit. They work to protect against system upsets, increase yields and enhance process reliability. In addition to delivering high quality performance, Johnson Matthey PureGuard Oxygen Gas Purifiers provide cost-effective operation at the point of use, setting a new performance standard in point-of-use gas purifiers.

Features

- Easy installation and replacement
- Available in a wide range of sizes and flow rates for use with oxygen gases to meet specific customer requirements

Benefits

- Increases product quality in a range of applications, such as Semiconductor Manufacturing, Gas Analyzers and Industrial Research
- Extends the life and reliability of gas systems and components
- Improves product yields
- Enhances system sensitivity and performance of analytical equipment
- Protects against breakthrough in bulk gas purifier or impurity boil off from liquid store
- Consistent performance to ensure reproducible purity levels
- Manufactured by Johnson Matthey, a global technology leader in business for 180 years and a company that has met your gas purification needs for over 40 years
- Backed by superior Johnson Matthey technical support and customer service

Setting a New Standard in Performance

Johnson Matthey's PureGuard Oxygen Gas Purifiers are designed to deliver the highest quality and maximum performance. Johnson Matthey combines purification and filtration technology in one unit so that every PureGuard Oxygen Gas Purifier operates as a purifier and particle filter to remove impurities including moisture, carbon dioxide, NMHC and particles. They utilize a regenerable technology.



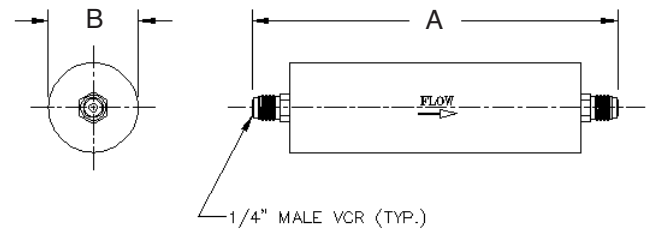
Johnson Matthey
Gas Purification Technology

PureGuard™ Oxygen Gas Purifiers

Specifications

- <10 ra electropolished material
- <1 ppb outlet impurities
- Impurities removed: H₂O, CO₂, and NMHC
- 316L Stainless steel housing; other material available upon request
- 0.5µ inlet and 0.003µ outlet particulate retention filter built-in
- All fittings 1/4" VCR, other fittings available upon request
- Maximum operating pressure 250 psig
- Helium leak tested to 2×10^{-10} atm cc/sec
- Operates at room temperature
- Custom-engineered units are available upon request

Oxygen Purifier Drawing



Model Numbers and Dimensions

Model	A	B	VCR Connection	Maximum Flow Rate (slpm)
OG-35XL	3.31"	1.5"	1/4"	1
OG-70XL	4.50"	1.5"	1/4"	3
OG-500XL	7.94"	3.0"	1/4"	60
OG-2500XL	17.3"	4.0"	1/4"	300
OG-5000XL	38.52"	4.0"	1/2"	500
OG-10MXL	29.90"	6.0"	1/2"	1000

*The actual flow is based on several variables. To determine the correct model for your application, you need to provide the following:

- Gas to be purified
- Inlet purity and outlet purity required
- Gas flow rate (average/maximum)
- Operating pressure and desired purified gas pressure
- Desired fitting type

Additional sizes available - Please call Johnson Matthey for details 800-624-2204

Gases Purified

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Air
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Principal Locations:
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 China, Hong Kong,
 Singapore



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