

PureGuard™ OG Series Gas Dryers



Point-of-use gas dryers work to protect against system upsets, increase yields and enhance process reliability. The OG Series Dryers, together with the Palladium, Catalytic and Getter Purifiers, are part of the PureGuard family of purifiers that provide end users and OEM's with a complete palette of gas purification solutions.

Applications

- Thin film deposition
- Oxidation
- Gas analyzers
- Bulk Gases

New Standard in Performance

Johnson Matthey PureGuard Gas Dryers are designed to deliver maximum performance by removing impurities to < 1 ppb. All purifiers combine purification and filtration technology in one unit to remove moisture and particles. All sizes can be regenerated at our factory to provide repeated use and lower cost-of-ownership.

Gases Purified

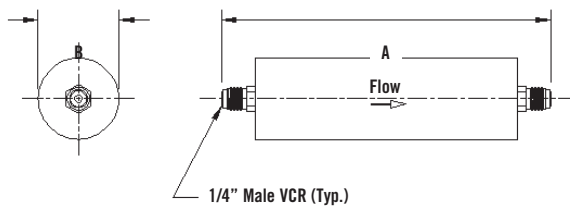
- O₂
- CDA
- N₂O
- H₂
- N₂
- Ar
- He



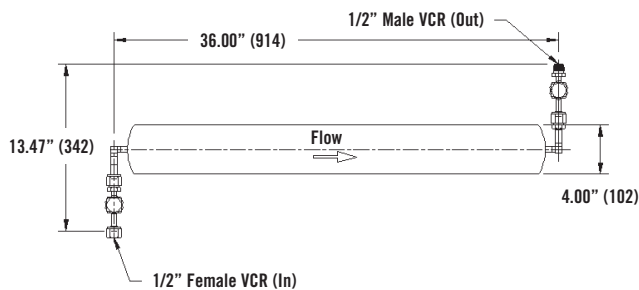
PureGuard™ OG Series Gas Dryers

Model Numbers and Dimensions

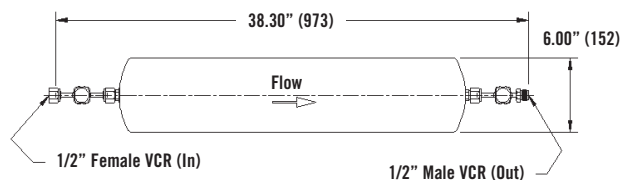
Model	A inches (mm)	B inches (mm)	Connection Size (MVCR)	Maximum Flow (slpm)
OG-35XL	3.31 (50)	1.5 (38)	1/4"	1
OG-70XL	4.50 (114)	1.5 (38)	1/4"	3
OG-500XL	7.94 (202)	3.0 (76)	1/4"	60
OG-2500XL	17.3 (439)	4.0 (102)	1/4"	300
OG-5000XL	38.52 (978)	4.0 (102)	1/2"	500
OG-10MXL	29.90 (759)	6.0 (152)	1/2"	1000



PureGuard OG-5000XL Gas Dryer



PureGuard OG-10MXL Gas Dryer



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 source
- Consistent performance to ensure reproducible purity levels
- Manufactured by Johnson Matthey, a global technology leader in business for 190 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

Specifications

- <1 ppb outlet impurities
- Impurities removed H₂O
- Particulate removal: 0.003µm metal filter (optional on 5000XL and 10MXL)
- Maximum operating pressure 250 psig
- <10 ra electropolished material
- 100% orbitally welded design
- Helium leak tested to 1 x 10⁻⁹ atm cc/sec
- Operates at room temperature
- Manual isolation valves standard on OG-5000XL and OG-10MXL (optional on other sizes)
- Regeneration available through Johnson Matthey



Johnson Matthey
Gas Purification Technology

Johnson Matthey USA

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Principal Locations:

North America, England,
France, South Korea,
Taiwan, China, Hong Kong,
Japan, Singapore