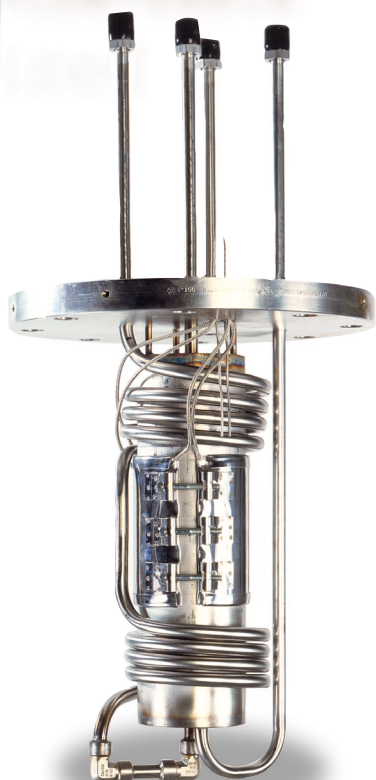


# PURE GUARD™

The pure and simple choice



## Tritium Purifiers



Johnson Matthey Palladium membranes can be designed to process tritium by separating hydrogen isotopes, as well as impurities, from other gases over a large range of feed flows and gas compositions. Our proven designs meet the demanding quality and performance requirements of US Government facilities and utilize only tritium-compatible materials and components.

### Features include:

- Units that can be designed to flow gas “inside out” or “outside in”
- Highly engineered, custom designed for your specific installation
- Proven, robust techniques to bend and braze Pd/Ag alloy tubes in a variety of diameters
- Custom built Palladium membrane reactors to meet your specific needs
- Design provides change out of thermocouples and heaters
- Short turnaround time from concept to delivery

Johnson Matthey has manufactured hydrogen purification equipment for over 40 years and tritium purifiers for 15 years. Our purifiers are installed throughout the world and conform to ASME B&PV codes, as well as other applicable national standards. We are fully equipped to provide a full range of services including design, fabrication, testing, quality assurance and calculations, as needed.



**Johnson Matthey**  
*Gas Purification Technology*

**Johnson Matthey USA**  
Gas Purification Technology  
1397 King Road  
West Chester, PA 19380  
USA  
Phone: (800) 624-2204  
Fax: (610) 232-1934  
[www.pureguard.net](http://www.pureguard.net)

**Principal Locations:**  
North America, England,  
South Korea, Taiwan,  
China, Hong Kong,  
Singapore