

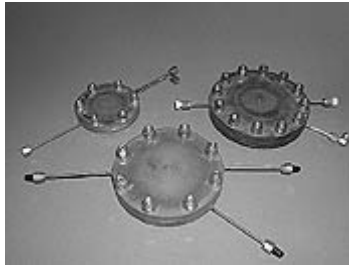
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PRODUCT NEWS

Hydrogen Purifier Requires Less Palladium

Hy9 Corp.'s purifiers require 10 times less palladium than conventional palladium/silver tubular purifiers, making them less expensive than conventional purifiers. Palladium membranes are recognized as the only solution for high purity hydrogen



purification, as palladium alloys allow hydrogen atoms to permeate through the membrane while blocking all other contaminants. Hy9's membrane thinning process reduces costs by the use of thinner palladium foils. Hy9's thin membranes create higher hydrogen flux, enabling low-cost, highly-scalable purifiers. Contaminants, such as sulfur and carbon monoxide, can degrade the platinum catalyst in PEM fuel cell systems and cut stack performance. Hy9's diffusion-bonded seals create a leak-proof module to ensure the high purity contaminant-free hydrogen essential for maximum material performance and durability. Hy9's products can be deployed in existing and new applications in the fuel cell industry. The company has successfully manufactured and sold over 600 purifiers. Contact Hy9 Corp. at products@hy9.com.