

Accessories | Infinity H₂ purifier

Pure gas is a critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The Infinity H₂ Purifier is a self-regenerating purifier that removes oxygen from hydrogen at ambient temperature. The reaction consumes the oxygen and creates an excess of water vapor. When paired with an additional moisture filter it is the perfect solution for hydrogen generators. This catalytic purifier has the potential to last forever, however the media can be easily contaminated by oil, organic solvents, heavy metals, sulfur compounds etc.



Features and benefits

- High-quality 316 stainless steel construction.
- For use at ambient temperatures.
- For use with hydrogen only.

Recommended applications

For use with hydrogen generators. Infinitely regenerates when paired with an additional moisture filter.

Product specifications

Infinity H ₂ purifier							
Volume	Function	Capacity	Outlet concentration at nominal flow rate	Flow rate (nominal-max)	Max pressure	Dimensions	Fittings
32 cc	Indefinitely remove O ₂ from H ₂ carrier gas	Infinite capacity for removal of oxygen impurity in hydrogen ¹ gas	Oxygen < 5 ppb	0.5 mL/min - 30 SLPM	68.9 bar / 1000 psi	3.175 cm x 8.89 cm	1/4" stainless steel compression

1) Limited by contaminants, such as sulfur, arsenic, heavy metals, or particulate debris in the carrier gas stream.

For low-cost, high quality moisture traps:

C36086	Non-Indicating Moisture Trap, CHROMSPEC	750cc	1/8" Fittings
C36088	Non-Indicating Moisture Trap, CHROMSPEC	750cc	1/4" Fittings
C36010	Indicating Moisture Trap, CHROMSPEC	1/8cc	1/8" Fittings
C36015	Indicating Moisture Trap, CHROMSPEC	1/4cc	1/4" Fittings

For the ease of use of a cartridge system:

RK22028	Ultra-High Capacity Moisture Filter
RK22025	SGT Baseplate, Single Position for One-SGT Cartridge Filter



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