

PURE GUARD™

The pure and simple choice



Palladium Alloy Diffusion Cells

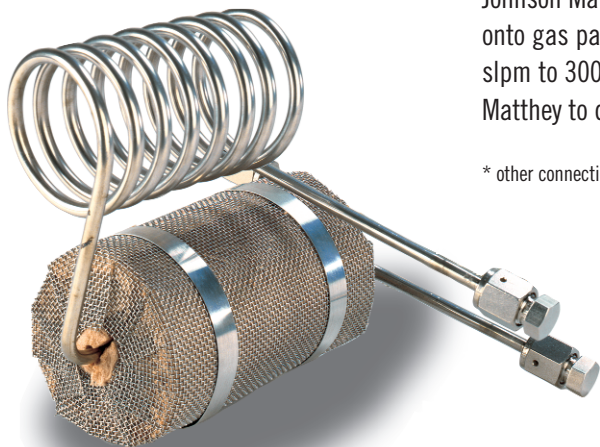
Johnson Matthey palladium alloy diffusion cells coupled with a control system, achieves 99.999999% purity hydrogen for use in the compound semiconductor industry or applications where ultra high purity hydrogen is required. Additionally, JM cells can be used as replacements in Johnson Matthey HP Series units or other palladium alloy diffusion units.

The key design features include:

- Compact, single cell design
- Thermocouples
- VCR® connections*

Johnson Matthey's compact, single cell design allows for easy installation onto gas panels or into gas cabinets. Cell sizes range from flow rates of 1 slpm to 300 slpm. Custom engineered cells are available. Contact Johnson Matthey to discuss your installation.

* other connections available



Johnson Matthey
Gas Purification Technology

Palladium Alloy

Diffusion Cells

Specifications: HP 2-600C

Model	Capacity ¹ (SLPM)	Cell Body ²	Heat Exchanger/ Cooling Coil	Connections
HP-2C	1	1 5/8"—D 2 1/2"—L	Cooling coil	Feed—1/4" Bleed—1/4" UPH—1/4"
HP-10C	5	1 5/8"—D 5 1/4"—L	Cooling coil	Feed—1/4" Bleed—1/4" UPH—1/4"
HP-25C	12	2 1/2"—D 4 1/2"—L	Cooling coil	Feed—1/4" Bleed—1/4" UPH—1/4"
HP-50C	24	2 1/2"—D 4 1/2"—L	Cooling coil	Feed—1/4" Bleed—1/4" UPH—1/4"
HP-100C	47	5 1/8"—D 5 3/4"—L	Cooling coil	Feed—1/2" Bleed—1/4" UPH—1/4"
HP-150C	71	4 1/8"—D 8 3/8"—L	Heat Exchanger	Feed—1/4" Bleed—1/4" UPH—1/4"
HP-200C	94	8"—D 13 1/2"—L	Heat Exchanger	Feed—1/2" Bleed—1/4" UPH—1/4"
HP-300C	141	8"—D 17 3/4"—L	Heat Exchanger	Feed—1/2" Bleed—1/4" UPH—1/4"
HP-400C	188	8"—D 22"—L	Heat Exchanger	Feed—1/2" Bleed—1/4" UPH—1/4"
HP-500C	235	8"—D 26 1/4"—L	Heat Exchanger	Feed—1/2" Bleed—1/4" UPH—1/4"
HP-600C	282	8"—D 26 3/4"—L	Heat Exchanger	Feed—1/2" Bleed—1/4" UPH—1/4"

Dimensions are for standard cells. Other configurations are available.

¹@200 psig inlet pressure and 0 psig outlet pressure

²Includes Insulation



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Principal Locations:
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South Korea, Taiwan,
China, Hong Kong,
Japan, Singapore