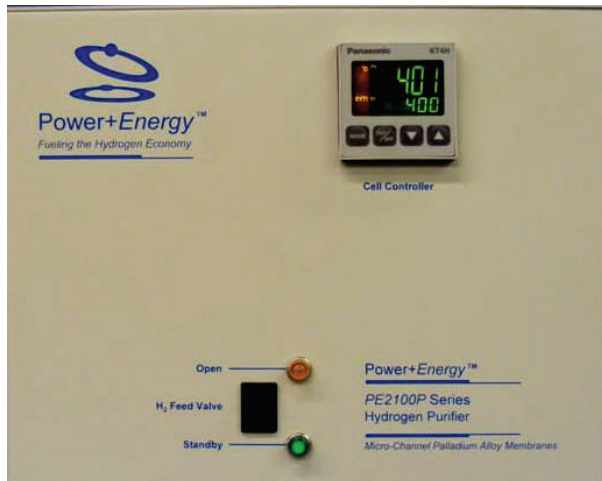


The Purest Hydrogen on the Planet



Power + Energy micro-channel palladium purifiers produce the purest hydrogen on the planet. All P+E purifiers use patented micro-channel palladium membrane technology to remove all impurities to parts per trillion levels. The compact PE2100 purifier is ideal for industrial and University laboratory applications.

KEY FEATURES

- Ultra-pure hydrogen from any source
- Models for up to 30 slpm
- < 100 ppt O₂, H₂O, CO₂, CO, N₂, CH₄, NMHC
- Patented palladium micro-channel technology
- Push button operation
- Automatic N₂ purge
- Pure hydrogen outlet valve
- Temperature controller with digital display on front panel

APPLICATIONS

- Analytical instrument zero/carrier gas
- GaN epitaxy
- Silicon Carbide (SiC) epitaxy
- III/V and II/VI MOCVD
- Photovoltaics
- Carbon nanotubes
- Metallurgy
- Fuel cells

Palladium Advantages

- Only hydrogen passes through to the pure side—the purest gas
- Every impurity is removed—no exceptions
- Unlimited lifetime—no regeneration or vessel replacement
- Separates pure H₂ from source gas with ppm or % level impurities



Cabinet Rear View

MODEL SIZES

- PE2100PH 6 slpm
- PE2100PK 14 slpm
- PE2100PM 30 slpm

Maximum flow rate at 200 psig inlet pressure

Feature	Specification
Flow Rate	up to 30 slpm
Maximum Inlet Pressure	200 psig (13.6 Barg)
Inlet Purity	99.95% typical
Outlet Purity	99.9999999% < 100 ppt O ₂ , H ₂ O, CO, CO ₂ , N ₂ , THC
N₂ Purge	70-150 psig (4.8-10.2 Barg)
Instrument Air	Air or N ₂ 65-80 psig (4.4-5.4 Barg)
Power	100-120 VAC 50/60 Hz 200-240 VAC 50/60 Hz
Dimensions	10"W x 10"D x 8"H (254 x 254 x 203mm)
Weight	15 lbs (7 kg)