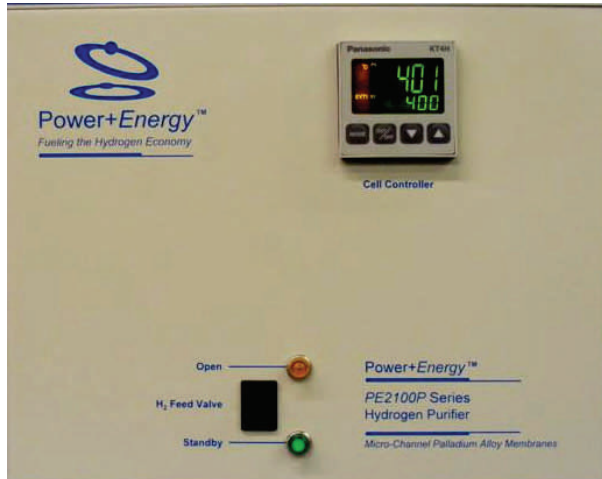


## The Purest Hydrogen on the Planet



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 O<sub>2</sub>, H<sub>2</sub>O, CO<sub>2</sub>, CO, N<sub>2</sub>, CH<sub>4</sub>, NMHC
- Patented palladium micro-channel technology
- Push button operation
- Automatic N<sub>2</sub> purge
- Pure hydrogen outlet valve
- Temperature controller with digital display on front panel

### APPLICATIONS

- Analytical instrument zero/carrier gas
- GaN exptaxy
- 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 H<sub>2</sub> from source gas with ppm or % level impurities



Cabinet Rear View

### MODEL SIZES

- PE2100HP 6 slpm
- PE2100KP 14 slpm
- PE2100MP 30 slpm

Maximum flow rate at 200 psig inlet pressure

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