

PPI

PRESSURE PRODUCTS INDUSTRIES, INC.
METAL DIAPHRAGM COMPRESSORS

Fuel Cell Station Compressor

- **SAFE**, reliable Hydrogen compression to **15,000 psi (1000 bar)**.
- Since 1954, PPI has been the leader in Hydrogen compressor technology.
- Hydrogen, CNG, or other gases requiring leak tight compression, PPI has the experience you can rely on.
- From 1 HP to 200 HP, PPI has a compressor to meet your needs.



Hydrogen Compressor, Discharge Pressure = 6000 psig (400 bar), Capacity = 30 scfm (48 Nm³/hr)

As the world moves toward the emerging Hydrogen Economy, Pressure Products Industries is at the forefront of compressor technology. PPI diaphragm compressors are currently operating world wide in a variety of production applications. Hydrogen compressors account for 70% of all diaphragm compressors sold by PPI. PPI diaphragm compressors have been in operation in automobile fuel cell refueling stations since 2001.



Fuel cell vehicles at the California Fuel Cell Partnership. Source: CaFCP

Diaphragm compressors are the preferred compression equipment for applications where the environment and safety are of primary concern. Their basic design provides leak tight and non-contaminating gas compression.

PPI has developed and extensively tested compressors specifically for the demands of fuel cell refueling stations. A fuel cell refueling station must be on-line 24/7. PPI Hydrogen compressors for fuel cell refueling stations have been developed using the latest technology in solids modeling and FEA analysis. All working components have been designed and tested for reliability and longevity.

Hydrogen is the most abundant element in the universe. It is an efficient, renewable and non-polluting fuel.



NEW Ultra-Fram™ technology improves diaphragm life by 30%, guaranteed.

Ultra-Fram™ technology provides unmatched performance and reliability.

- Specially processed, super alloy diaphragm material
- Computer verified, proprietary cavity profiles reduce diaphragm stress
- High tech polymer coated middle diaphragm reduces friction

Hydrogen Compressor, Discharge Pressure = 5000 psig (345 bar), Capacity = 20 scfm (32 Nm³/hr)



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With thousands of installations worldwide, you can trust PPI to handle the difficult applications. PPI has the engineering and manufacturing experience you can count on.