

# Scroll Technology + Fuel Cell

Air Squared patented oil-free scroll technology provides the fuel cell industry with the most advanced compressor and  $H_2 + O_2$  recirculation pump solution available.

## Air Squared, Inc.

Air Squared Inc. is the industry leader in oil-free scroll design and manufacturing. Through a growing line of compressors and  $H_2 + O_2$  recirculation pumps, Air Squared makes the many advantages of oil-free scroll technology available to fuel cell OEMs worldwide.

In 1999 Air Squared introduced the first scroll compressor designed for fuel cell applications. By introducing a simple design with fewer moving parts, scroll technology was realized as a highly efficient, very reliable, cost-effective solution for PEM and SOFCs. Today Air Squared continues to make the fuel cell industry our number one market, with thousands of units used in fuel cells everyday.

## Manufacturing

As an ISO 9001:2008 certified manufacturer, we offer a full line of patented oil-free scroll solutions. All of our products have been designed, engineered, and continuously perfected to satisfy even the most demanding fuel cell application. We understand that the outcome of our customer's design depends on the reliability of its components. That is why industry leaders like Ballard, Plug Power, H2 Logic, Proton Energy, and Lockheed Martin have all turned to Air Squared.

## Custom Design

As a pioneer in the fuel cell industry, we realize that some problems are so unique they require a customized design. With over 70 successful design projects and long history of patented innovation, our credentials and experience speak for itself. That means your solution can be prototyped and manufactured with confidence, knowing you have the ideal design.

### AIR SQUARED

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Air Squared offers a full line of scroll **air compressors** and **H<sub>2</sub> + O<sub>2</sub> recirculation pumps** for fuel cell applications.

		Max. Flow	Max. Pressure	Sound	Weight
	<b>P32H58N2.25</b> Scroll Air Compressor	1275 lpm	20 psi	65 dB(A)	55 lb
	<b>P22H40N2.50</b> Scroll Air Compressor	400 lpm	25 psi	50 dB(A)	40 lb
	<b>P16H30N3.25R</b> Scroll Air Compressor	200 lpm	20 psi	45 dB(A)	14 lb
	<b>P16H36N2.25R</b> Scroll Air Compressor	370 lpm	20 psi	45 dB(A)	15 lb
	<b>P11H12N2.50</b> Scroll Air Compressor	12 lpm	25 psi	25 dB(A)	2 lb
	<b>P16H34N2.0H<sub>2</sub></b> H <sub>2</sub> Recirculation Pump	100 lpm displacement	15 psi	45 dB(A)	6 lb

View more products and learn about scroll technology solutions from Air Squared. Visit us online at <http://airsquared.com>

