

## FLOXAL™ H<sub>2</sub>

On-site hydrogen production



### FLOXAL Solutions

FLOXAL solutions cover the supply of gas generated at your site – using plants invested, operated and maintained by Airgas – meeting your demand specifications of purity, pressure and flow rate, with full back-up and guaranteed performance.

Three molecules are available under the FLOXAL offer: nitrogen, oxygen and hydrogen. For each molecule, various generation technologies are used to ensure satisfaction of your gas needs at the required specifications and at a competitive price.

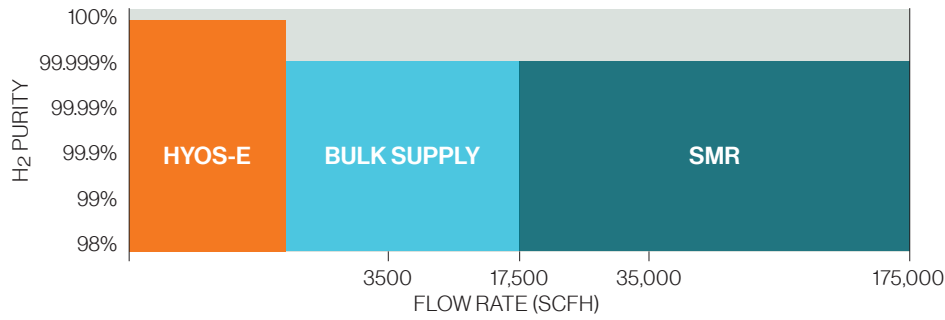
### Your requirements are unique

Airgas, an Air Liquide company, offers a full range of state-of-the-art plants built to a standard design, ensuring safety, reliability, and cost efficiency. With guaranteed continuous supply of gas you can focus on your business. Gas supply can be ensured through iDATAL™ telemonitored performance tracking supported by a network of alarm response centers and qualified service technicians, as well as auxiliary bulk back-up storage at your facility.

### Markets & applications

- Chemical and refineries
- Electronics
- Food
- Heat treating
- Hydrogenation
- Metals
- Pharmaceutical
- Polysilicon

# On-site hydrogen portfolio



Product Line	HYOS-E	SMR
Technology	Water electrolysis	Steam methane reformer
H <sub>2</sub> purity	Up to 99.9998%	99.999%
Flow range (SCFH)	300–2100	Per design
Pressure psig (bar)	145 (10)	Per design
Key feature	High purity	Customized design
Main application	Hydrogenation, deoxidization, energy	Hydrogenation, deoxidization
Primary markets	Electronics, edible oil, fine chemical, pharma, metal processing, heat treatment	Chemical, optical fiber, LED, poly-Si, source of bulk H <sub>2</sub>

## HYOS-E product line delivers the FLOXAL™ promise: peace-of-mind at best-in-class Total Cost of Ownership

### HYOS-E

Compact and innovative H<sub>2</sub> generator with water electrolysis process for high purity

### Benefits

- Compact and skid mounted design with small footprint
- Simplified design for low cost and easy installation
- Capacity extension by multi-units
- Safety improved with less H<sub>2</sub> storage and logistics
- Energy-efficient process for high purity
- Automated operation with uninterrupted gas supply

Contact us  
 800.820.2522 | info@airgas.com  
 Airgas.com  
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