

# Seal-Lok™ Technology for Alternative Fuels

Robust. Reliable. Reusable.




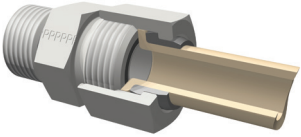

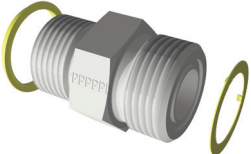

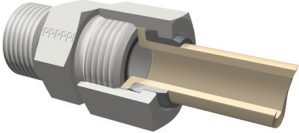


As the push for cleaner fuel alternatives intensifies, Parker continues leading the way with products engineered to optimize fuel conveyance. Parker Seal-Lok™ technology introduces an O-ring face seal (ORFS) design that performs with a variety of fuels to **achieve the most robust, leak-free connection in the industry – period.** Seal-Lok fittings boost your bottom line with:

**Unlimited Reusability** – The ORFS design allows for in-field troubleshooting and maintenance by simply replacing the O-ring.

**Parflange® Technology** – Provides high-quality, consistent flanges fast with an exclusive orbital spindle motion. Parflange machines are available to purchase or rent to meet all production needs.

**Robust Port Stud™** – Features a longer locknut to cover the uppermost threads on SAE adjustable port end fittings, eliminating the potential for backup washer damage and leaks.

**Corrosion-Resistant Materials** – All Seal-Lok product lines for alternative fuels are available in corrosion-resistant SAE/AISI 316/316L stainless steel, as well as carbon steel with zinc nickel plating.

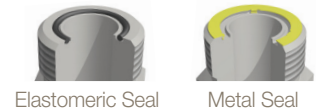
SEAL-LOK FOR CNG	SEAL-LOK XTREME	SEAL-LOK FOR LPG	SEAL-LOK FOR HYDROGEN
 <ul style="list-style-type: none"> <li>• Meets all requirements of NGV 3.1, ECE R110, ISO 15500</li> <li>• CNG compatible HNBR O-ring compound</li> <li>• Sealing temperatures from -40°F to 300°F (-40°C to 149°C)</li> <li>• Suitable for on-vehicle and infrastructure applications</li> </ul> 	 <ul style="list-style-type: none"> <li>• Meets all requirements of ECE R110</li> <li>• Uses patented metal seal for increased pressure capability in ORFS-design and SAE ORB fittings</li> <li>• Sealing temperatures from -328°F to 1,200°F (-200°C to 649°C)</li> <li>• Suitable for on-vehicle and infrastructure applications</li> </ul> 	 <ul style="list-style-type: none"> <li>• Meets all requirements of ECE R110, ISO 15500</li> <li>• LPG compatible HNBR O-ring compound</li> <li>• Stainless steel and carbon steel with Zn-Ni plating</li> <li>• Suitable for on-vehicle and infrastructure applications</li> </ul> 	 <ul style="list-style-type: none"> <li>• Meets all requirements of EC 79</li> <li>• ORFS manufactured specifically for critical H2 applications</li> <li>• Custom port options for 700 bar (10,000 psi)</li> <li>• Suitable for on-vehicle and infrastructure applications</li> </ul> 



ENGINEERING YOUR SUCCESS.

# Seal-Lok Benefits At-A-Glance

The flat face design of Seal-Lok fittings, combined with the elastomeric seal or patented metal seal in the face of the fitting, creates leak-free connections fast and effectively. The entire Seal-Lok series is designed to meet the demands of the alternative fuel market.



## KEY BENEFITS:

- Resistance to overtightening
- Zero clearance assembly
- Unlimited reusability
- Superior vibration resistance
- Ease/speed of assembly
- Field replaceable components/easy maintenance

## INDUSTRY COMPLIANCE:

- ANSI NGV3.1-2014/CSA 12.3-2014 (Natural Gas Vehicles/Canadian Standards Association)
- UNECE R110
- ISO 15500
- EC 79
- Bonfire testing



# Easy Assembly With Parflange® Technology

Parker Parflange® equipment is designed to make fast, leak-free connections for Seal-Lok tube fittings. Parflange models include:

## ECO25

Best machine for coiled tubing and other CNG infrastructure projects

- Flanging and flaring capabilities
- Steel – ¼" to 1 ½" OD
- Stainless – ¼" to 1 ½" OD
- 100 sec cycle time
- Intermittent usage best suited for small jobs and project work



## 1025

Best machine for low volume CNG tube assemblies

- Flanging and flaring capabilities
- Steel – ¼" to 1 ½" OD
- Stainless – ¼" to 1" OD
- 60 sec cycle time
- Very easy to use with minimal setup time
- Compact table-top unit



## PRO50

Best machine for on-vehicle CNG tube assemblies for OEMs

- Flanging and flaring capabilities
- Steel – ¼" to 1 ½" OD
- Stainless – ¼" to 1 ½" OD
- 15 sec cycle time
- Production grade machine for higher volume tube assemblies



## LEARN MORE!

View the reference links below to learn more about Seal-Lok and our other alternative fuel offerings:

**Parker Alternative Fuels**  
[www.parker.com/alternative-fuel](http://www.parker.com/alternative-fuel)

**Machines and Tooling**  
[www.TFDToolSpec.com](http://www.TFDToolSpec.com)

**Bonfire Test Summary**  
<http://prker.co/2UBaHKX>



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