

PURPOSE: To communicate the compatibility of Rinnai products with Natural Gas-Hydrogen mixture fuels.

PRODUCT INFORMATION

- Applicable Products: Rinnai Tankless Water Heaters, Boilers, and Direct Vent Furnaces
- Applicable Models: Refer to Table 1 below for series and/or model names.

DETAILS

Blending hydrogen with natural gas for water and space heating applications can help decarbonization efforts. Generally, low percentages of hydrogen (~5% by volume) have been proposed for evaluations and can blend into existing natural gas networks.

To support the drive for a greener future and an even cleaner burning natural gas, Rinnai has tested and evaluated the products in Table 1 below for use with natural gas-hydrogen mixture fuels without requiring product upgrades or modifications.

Table 1. Rinnai natural gas-fired products for use with natural gas-hydrogen mixture fuels

Rinnai Product	Product Series/Model	Natural Gas - Hydrogen Blend
Tankless Water Heaters	Super High-Efficiency SE+ SENSEI™ Series Models	Up to 30%
	Super High-Efficiency SE Series Models	Up to 30%
	High-Efficiency HE+ Series Models	Up to 30%
	High-Efficiency HE Series Models	Up to 30%
	V Model Series: V53De model	Up to 30%
Boilers	I-Series Models	Up to 30%
Direct Vent Furnaces	Models: EX08CT, EX11CT, EX17CT, EX22CT, EX38CT	Up to 10% ¹

¹ Tests to evaluate compatibility with higher natural gas-hydrogen mixtures are in progress.

NOTE

Rinnai products not listed in Table 1 above have not been tested and evaluated for use with natural gas-hydrogen mixture fuels.