

High Efficiency HCG Series

Commercial Gas Water Heater



The American Water Heaters High Efficiency HCG series condensing water heater is designed to provide years of dependable service and features industry-leading technology.

- Models available from 120,000 to 500,000 Btu/h and from 60 to 119 gallons.
- All models deliver thermal efficiencies of 95% and higher
- The unique helical coil heat exchanger limits weld joints for optimal service life while maximizing heat transfer.

HCG is the industry leader in high efficiency commercial water heating with modulating combustion

- The primary benefit is the efficiency gain achieved when the unit is operating in the modulating mode and firing at lower than full fire inputs.
- Modulating to these lower inputs increases the amount of time combustion gases are in contact with the helical coil heat exchanger resulting in higher thermal efficiencies.
- The efficiency gains can be significant and result in additional fuel saving that add up quickly.
- These higher efficiency rates reduce the exhaust vent temperatures and lower overall operating sound when the blower runs at reduced RPM's.
- Modulating the burner results in higher overall operating efficiencies and longer service life.

Available from American Water Heaters - a name you know. We make millions of water heaters every year. Add a few High Efficiency HCG units to your next order!

High Efficiency HCG Series features powered anode tank protection

- Provides long lasting tank protection in varying water conditions.
- Powered anodes are non sacrificial and should not require maintenance.
- Automatically adjusts output needed to protect the tank.

PERMAGLAS® ULTRA COAT™ Glass Lining

- Glass coating provides ultimate tank protection.

- Our process covers the heat exchanger coil both externally and internally for optimum protection

Installation and Application Considerations

- As a high-efficiency condensing water heater, HCG series produces condensation. In some areas, condensation neutralization should be considered.
- HCG series products can be common vented. For some applications common vent kits should be explored.
- Additionally, properly sized expansion tanks and gas regulators can aid in some installations.

Intelligent Control System with Touch Screen Display

- Intelligent Demand Response (IDR) feature senses large water draws and automatically adjusts the differential setpoint. This feature increases the hot water available when it is needed the most.
- Precise temperature control adjustable from 90°F - 180°F
- Plain English on board diagnostics and run history.
- No need to translate error code blinks.
- Displays operation mode at all times.

iCOMM Connectivity Onboard

- High Efficiency HCG models manufactured March 1, 2018 to present come standard with iCOMM Wi-Fi connectivity onboard. Remotely monitor and adjust the water heater via the American Water Heaters app. No charge connectivity using Wi-Fi or Ethernet connection.

High Efficiency Modulating Pre-Mix Powered Burner

- Down fired pre mix burner provides optimum efficiency and helps eliminate heat exchanger sediment buildup experienced by traditional bottom fired models.
- Top fired burners help provide quieter operation.

- Top-mounted burner position prevents condensation from affecting burner operation.

Mechanical Venting Versatility

- Conventional power venting or direct venting and vents vertically or through a sidewall
- Vents with low cost PVC Schedule 40 intake and exhaust pipe. Approved for optional CPVC Schedule 40, Polypropylene and AL29-4C stainless steel vent materials

Space-Saving Design for Installation Flexibility

- 0" installation clearances on sides and rear, 1-1/2" installation clearance on top
- 0" clearance to combustibles, approved for installation on combustible floors

Other Features

- Submerged Combustion Chamber, with Helical Heat Exchanger Coil

3-Year Limited Tank Warranty,

1-Year Limited Parts Warranty

Extended Warranty Options Available.

For complete information, consult written warranty or go to americanwaterheater.com

Scan the QR code to visit the site >

