

Modulating Ultra Force® LV

Commercial Gas Water Heater



The State Water Heaters Modulating Ultra Force® LV condensing water heater is designed to provide years of dependable service and features industry-leading technology.

- Models available from 150,000 to 500,000 Btu/h and from 220 to 250 gallons.
 - For smaller sizes check out Modulating Ultra Force®
 - For 120 gallons of integrated storage with 750,000 or 1,000,000 Btu/h, check out Ultra Force® XL
- Provides thermal efficiencies up to 96%
- The unique helical coil heat exchanger limits weld joints for optimal service life while maximizing heat transfer.

Ultra Force® LV is the industry leader in high efficiency commercial water heating with up to 250 gallons of integrated storage combined 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 State Water Heaters - a name you know. This large volume, integrated solution eliminates the need for multiple heaters or separate storage tanks.

Modulating Ultra Force® LV 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.

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

- Remotely monitor and adjust the water heater via the State 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.

- 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, Modulating Ultra Force® LV produces condensation. In some are, condensation neutralization should be considered.
- Additionally, properly sized expansion tanks and gas regulators can aid in some installations.

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

5-Year Limited Tank Warranty,

1-Year Limited Parts Warranty

Extended Warranty Options Available.

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

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