



# SSV 399

## ▶ Gas-Fired, Floor Mounted Modulating Condensing Boiler

- 96% Thermal Efficiency
- CSD-1 Compliant with
  - Manual Reset Low Water Cut Off
  - High Limit Manual Reset
- 5:1 Turn Down Ratio
- Innovative Heat Exchanger
  - 316L/444 Stainless Steel Fin Tube
  - Vertically Positioned, Low Maintenance, Self-Cleaning
  - Polypropylene Flue Collector
  - 150 psi MAWP



There are some things you can always depend on...



[www.utica boilers.com](http://www.utica boilers.com)

## Original...

The heat exchanger is the critical component of any boiler and is primarily responsible for efficiency and durability. At the heart of the 96% thermal-efficient SSV 399 is the Utica family's unique, vertically mounted helical fin tube heat exchanger, made of 316L/444 stainless steel. The fins are laser welded onto the stainless tube resulting in greater strength and heat transfer capabilities.



### SSV 399 Coil

The SSV offers a round shape and a large diameter coil for better water flow and reduced scaling.

The vertically positioned SSV heat exchanger coil drains away any debris and scale and in doing so is self cleaning.

## Economical...

The Utica SSV has a 96% Thermal Efficiency. The SSV's advanced control automatically regulates boiler operation to ensure you are using the least amount of fuel possible.

The SSV's control adjusts both the amount of gas being burned (modulation) as well as the boiler water temperature (outdoor reset). Gas burner modulation reduces your fuel cost by adjusting the fuel burned to meet the actual demands of your heating system. Rarely will your building require the full capacity of the SSV and burning more gas than needed increases your energy costs. Outdoor Temperature Reset adjusts the boiler water temperature based on outdoor conditions. During cold periods, water temperature is increased. As it gets warmer, water temperature is lowered. Varying the water temperature reduces your fuel costs.

***The increased efficiency of the Utica SSV could save up to 40% on heating bills annually.\****

***The 96% thermal efficiency of the Utica SSV 399 allows it to qualify for State, Federal and local Utility company rebates.\*\****

The average water heater is rated at .59 EF - Energy Factor, measure of the useful energy coming out of your water heater divided by the amount of energy consumed to heat domestic water. One of the conveniences of heating with a boiler is the ability to use it to generate your domestic hot water. By pairing your 96% efficient SSV with an H2O indirect water heater tank you will reduce your fuel consumption for heating hot water, increase the amount of hot water available. Ask your heating contractor to replace your inefficient standalone hot water tank with an H2O.

## Dependable...

### Utica's Stainless Steel Heat Exchanger

- ASME certified to operate in applications up to 150 psi
- Every heat exchanger is tested up to 375 psi
- Built-In CSD-1 Compliant\*\*\*

### Utica Quality

- Every boiler is test-fired at the factory
- Complete combustion test is performed and a computer printout of the results are shipped with every boiler to ensure proper commissioning

### 8 year Limited Manufacturer's Warranty

- The SSV heat exchanger is simply the finest ever designed and as such we provide an 8-year factory warranty
- One Year Parts Warranty



The **SSV 399** is an *original, economical, dependable approach* to your commercial heating needs.



**Key Features**



**Gas Supply**

- Top Pipe connection with built-in drip leg saves material & time

**Heat Exchanger**

- Patent Pending
- 316L/444 stainless steel fin tube
- Vertically mounted
- Self-cleaning
- 150 psi MAWP
- Designed in the U.S., for the U.S.

**Electrical Wiring**

- Easy Access / Protected Terminal Strip

**H2O Indirect Water Heater**

- High Quality, 316L Stainless Steel Tank, Dip Tube and Aquastat Well Construction
- Exterior shell made of rust proof Thermo plastic
- Tank encased in high density insulation with less than 1/2 °F loss per hour
- Top Piping Connection saves material/time
- Smooth coil design eliminates sediment
- Magnesium anode rod protects against corrosion
- Equipped with T&P Relief Valve
- 30 - to 115 - gallon capacity (Commercial models feature higher output and larger connections)



**Advanced Controls**



- 5:1 turn down ratio
- Easy to understand English text display
- Outdoor reset maximizes fuel economy
- Priority domestic hot water meets changing demands
- Connections for Primary pump, CH pump, and DHW pump
- Automatically manages up to 16 units in Multiple Boiler System

**SETTINGS**  
Central Heating Setpoint 180°F

**SETTINGS**  
DHW Setpoint 180°F

There are two basic settings; one for Central Heating and one for Domestic Hot Water. Both have factory pre-sets for standard installation and require no further adjustment. If desired, adjusting the settings is as easy as pushing a button! When using the Outdoor Air Sensor the Central heat setpoint automatically adjusts itself!

**Factory Tested**



- Certified to ASME standards in ECR's factory

