

# Quantum 95M-200

## Natural or Propane Gas-fired Modulating Condensing Boiler



**95%**  
AFUE



# Dunkirk®

*America's Hottest Boiler Value!*

An ISO 9001-2000 Certified Company

# The Value of Efficiency

High efficiency is your solution to today's ever-increasing energy costs. As an ENERGY STAR Partner, Dunkirk is proud to offer the 95% AFUE Quantum 95M-200 gas-fired, condensing, hot water boiler.

*The Quantum 95M-200 was the first 95% AFUE boiler available. Check with your local utility company regarding the availability of high efficiency rebates*



## Reliability and Peace of Mind

- 15-Year Limited Manufacturer's Warranty
- Optional Comfort Plus 5 or 10 Year Extended Parts and Labor Warranty available.



# Quantum 95M-200

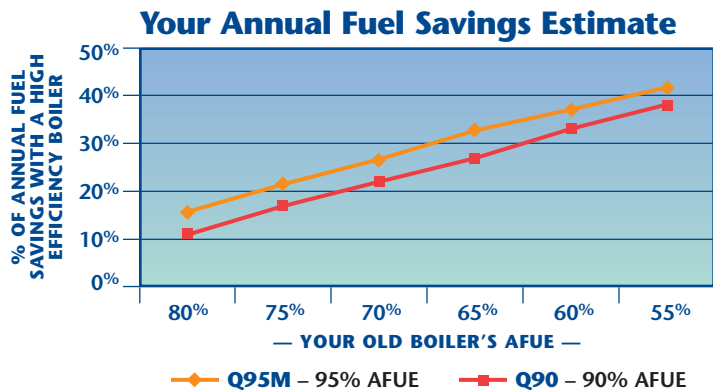
Your leading value in...

## Cost Saving Features

- **Infinitely Modulating Capacity from 80 to 200 MBH**  
An advanced microprocessor control continuously monitors supply and return water temperature, adjusting boiler output to match building load – ideal for applications with multiple zones.
- **Outdoor Temperature Reset**  
Additional savings with factory standard control, which adjusts the water supply temperature for best possible fuel economy based on actual seasonal conditions.
- **Domestic Hot Water Priority**  
Used with an indirect hot water heater, the UB95M saves energy by redirecting heat where and when it's needed. No waiting for hot water.

## Annual Fuel Savings

The chart below can be used to estimate annual fuel cost savings for space heating when replacing an old inefficient boiler with a new condensing boiler.



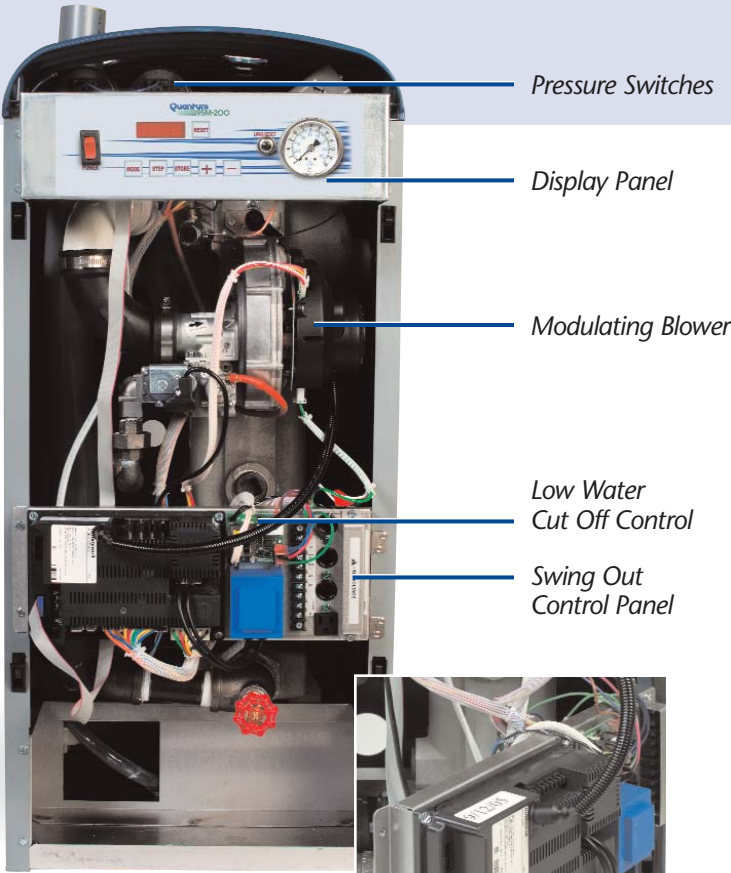
## Reduced Operating Costs

The Dunkirk Q95M's electrical operating costs are lower than other high efficiency boilers because no additional dedicated pump is required to serve the boiler which is typical of competitive products. An additional dedicated pump uses about the same amount of electricity as a 100 to 200 watt light bulb resulting in an additional savings of about \$50 to \$85 per year in electrical costs.\*

\* Actual savings may vary based on electrical cost per/kW HR. Savings estimate above based on \$.10/kW HR.



# Q95M-200 Installation Features



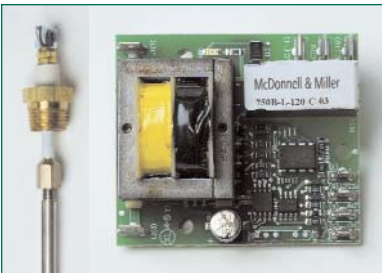
Easily accessible front mount controls.



Low Pressure Drop, ASME Certified Monoblock Cast Aluminum Heat Exchanger – lightweight and corrosion resistant.



Digital display/user interface for real time operating diagnostics and programming information.



Factory installed, probe type, LWCO accurately senses water level to help prevent dry firing. Meets local codes requirements.

The “Dealer-Driven Design” of the Q95M-200 is engineered with installation flexibility and convenience that benefit both the installer and the homeowner.

- For most applications no Primary/ Secondary dedicated piping arrangement required – one circulator can service boiler and all zones.
- Intake & Flue gasses can be piped with readily available 3" PVC up to 100 equivalent feet.
- Option of left, right or rear exit for return plumbing and gas piping.
- Piping connection options on rear and top of units facilitate multiple boiler installations with boilers located in close quarters.
- Integral Condensate Trap (No Field Assembly Required).
- Standard 115V convenience outlet.

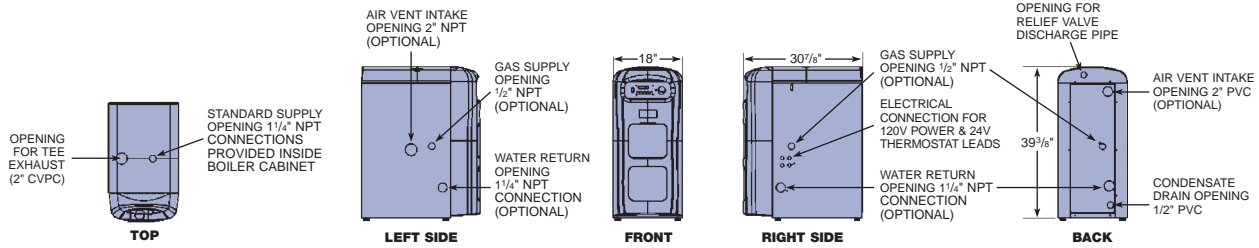
## Contractor Benefits

- **EASY INSTALLATION.**
- Ideal for high efficiency replacement jobs, new homes, radiant heating, and domestic hot water applications.
- No need to design/layout system (generally utilizes existing plumbing).\*

\* May require direct venting installation in homes not equipped for direct vent



100% factory tested



### QUANTUM 95M-200 RATINGS

MODEL	INPUT (MBH)		HEATING CAPACITY (MBH)	I=B=R NET RATING (MBH)	AFUE (%)	FLUE DIAMETER	SHIPPING WEIGHT (LBS.)
Q95M-200	Max	200	190	165	95	3"	284
	Min	80	76	66	95		

### Specifications

- Gas Fired Direct Vent Condensing Hot Water Boiler
- Uses natural or LP gas
- May be installed on combustible flooring (No Carpets)
- 8" clearance to rear, 1" clearance to top, front, left side, right side and base to combustible construction
- Option of left, right, or rear exit for return plumbing and gas piping
- 8" clearance to side where exits for air intake, gas, water and electrical installation
- 8" clearance to top, 24" clearance to front and left side, 12" clearance to rear for service
- 0" clearance for vent and air intake pipes to combustible clearances
- Water content in heat exchanger is 2.6 gallons.

### Connections

- 120 Volts AC, 60 hertz, 1 phase, less than 12 amps
- Vent pipe and air intake pipe
  - Vent Pipe - first 2.5 feet is schedule 80 2" CPVC (provided), then schedule 40 3" PVC
  - Air intake - schedule 40 3" PVC
- Water In/ Out ..... 1-1/4" NPT
- Gas In ..... 1/2" NPT
- Condensate Drain ..... 1/2" PVC
- Vent length runs - minimum of 15 ft. with a maximum of 100 equivalent ft.

### Standard Equipment

- Aluminum monoblock boiler with painted metal and plastic jacket
- High limit Aquastat
- Circulator (Taco 007 or Grundfos) with isolation ball valves
- Manual reset LWCO
- Pressure gauge
- Temperature display
- 30 psi ASME rated relief valve
- Air purge vent
- Service switch
- Service receptacle outlet
- Microprocessor based modulating control
- Modulating burner
- Modulating automatic gas valve
- Modulating blower
- Direct Spark Igniter
- Manual Reset casting temperature switch
- Air proving / blocked vent safety assembly
- Integral condensate trap
- Outdoor Temperature Sensor with cover
- LP Conversion Kit standard

### Options

- Concentric Vent Kit
- AMB Multiple Boiler Control - outdoor reset, priority override, lead boiler run time rotation. Available in two sizes to allow stage firing of up to 8 bases.



Since 1928. America's Hottest Boiler Value.



MEA #33906-E

85 MIDDLE RD DUNKIRK, NY 14048  
 716/366-5500 FAX 866/432-7329  
 e-mail: heating@dunkirk.com  
 web site: www.dunkirk.com

**USA Contractor Assistance: 800-325-5479**



An **ECR International Brand**  
 An ISO 9001-2000 Certified Company



The cost savings data presented in these materials is included for demonstration purposes only, and does not constitute a guaranty of performance of any product. The cost savings data is estimated based on certain assumptions with respect to climate, energy costs and other factors. Actual results and savings will vary depending on these and other causes.