



The Perfect Choice For All Commercial Hydronic Applications

Creating A Hybrid System

Upgrade The Efficiency and Performance of Your Existing Heating System With Baseloading

How It Works

- The high efficiency boiler operates during spring and fall low-load periods to take advantage of modulation and lower system water temperatures, reducing energy costs
- Your existing high mass boiler operates during high-load periods, utilizing the system's full capacity and improving efficiency

Short Term Benefits

- No need to remove all piping or add a multiple boiler control panel, reducing up-front installation costs
- Added outdoor reset and boiler redundancy capabilities
- Ultra commercial includes an easily programmable 2-stage boiler control, and will interface with existing building automation systems

Long Term Benefits

- The entire system operates at optimum efficiency throughout the year
- Existing system short-cycling is reduced, extending its life
- You will realize reduced utility costs year round

The Ultra Commercial is lightweight compared to conventional boilers, and requires minimal clearance and floor space.

Ultra 550 & 750
Gas
Water
MBH: 550-750
Combustion Eff.: 93+%

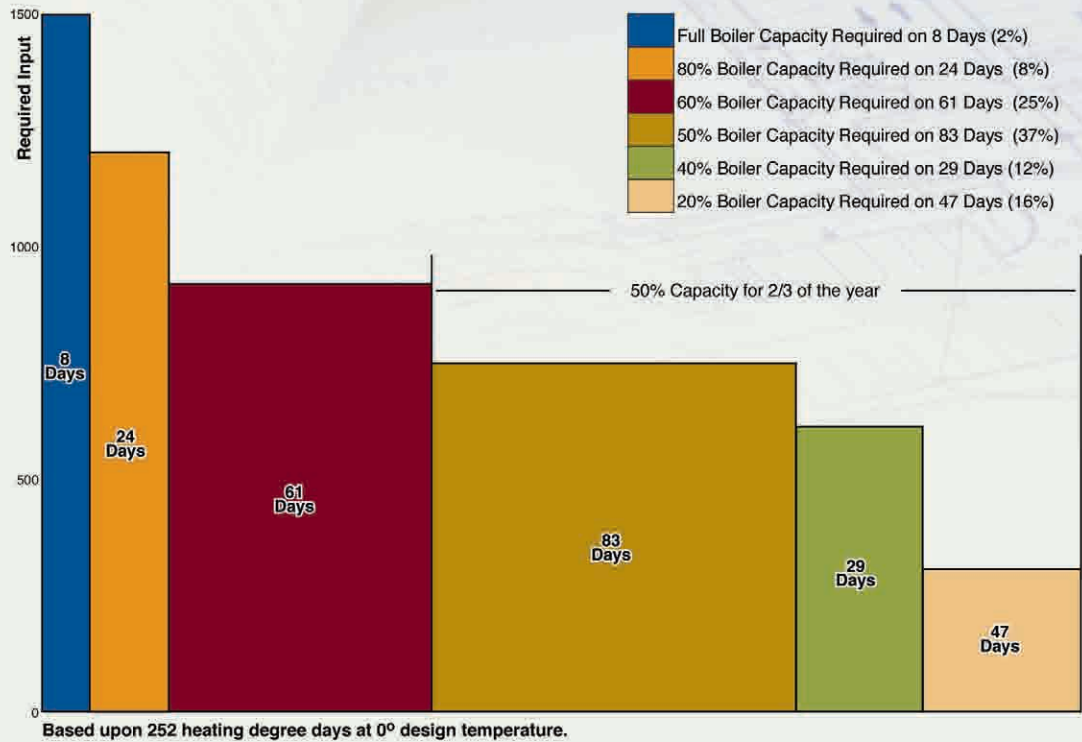


WEIL-McLAIN

www.weil-mclain.com

The New Ultra Commercial Boiler Will Improve System Performance and Generate Ongoing Returns on Investment

In most regions only 8 days of the year require the full system capacity. The Weil-McLain Ultra Commercial boiler will satisfy the demand during the majority of the heating season, saving money on utility bills and extending the life of the existing system.



Utility cost savings can quickly recoup equipment and installation costs, as illustrated in the examples below.

	System Sizes		
	1500 MBH	1250 MBH	1000 MBH
Existing boiler Input Capacity	1500 MBH	1250 MBH	1000 MBH
Weil-McLain Ultra Commercial Input	750 MBH	750 MBH	750 MBH
Weil-McLain Ultra Commercial Efficiency	93%	93%	93%
Utility cost savings	\$9,359.45	\$11,231.34	\$14,039.17
Simple Payback	3.09 years	2.58 years	2.06 years
Potential additional utility cost savings from modulating fire rates	+5%		
Potential additional utility cost savings from lower water temperatures and outdoor reset	+10%		

*Assumptions: Estimated total installed cost: \$28,989.00; facility size: 148,000 sq ft; avg. price per therm \$112; annual therm usage: 67216; annual boiler run time: 4481 hrs. 70% efficient existing boiler.

Product Specifications

Model	Part Number	Ratings						Data					Dimensions		
		CSA Input Maximum (MBH)	CSA Input Minimum (MBH)	CSA Gross Output	Net I=B=R	IBR Thermal	IBR Combustion	Vent Size Up To 100'	Vent Material	Combustion Air Up To 100'	Water Volume (Gal)	Minimum Gas Pressure	Approx. Shipping Weight (Lbs)	Supply/Return Tappings	Gas Connection Size
550	383-600-010	550	110	517	445	93.9%	94.7%	6"	PVC	6"	5.5	3.5"	505	2"	1 1/4"
750	383-600-011	750	150	702	605	93.6%	94.0%	*6" or 8"	PVC	*6" or 8"	6.5	3.5"	550	2"	1 1/4"

*Model 750 extends a maximum of 30 feet at 6", 100 feet at 8".