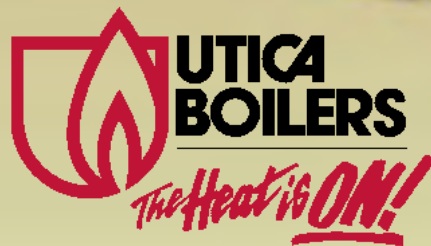


Oil-Fired Water Multiple Boiler System

Quality Engineered for Efficiency and Dependability

Constellation
Commercial



Constellation

Commercial, Oil-Fired, Hot Water Multiple Boiler System

A Multiple Boiler System for Efficient, Dependable Operation

The Constellation multiple boiler heating system delivers the efficiency and flexibility required for today's commercial applications requiring hot water heat fueled by oil. Based on Utica's Starfire III, the Constellation combines a smart design with quality components to deliver efficiencies up to 86%.

Multiple Boilers for More Efficient Operation

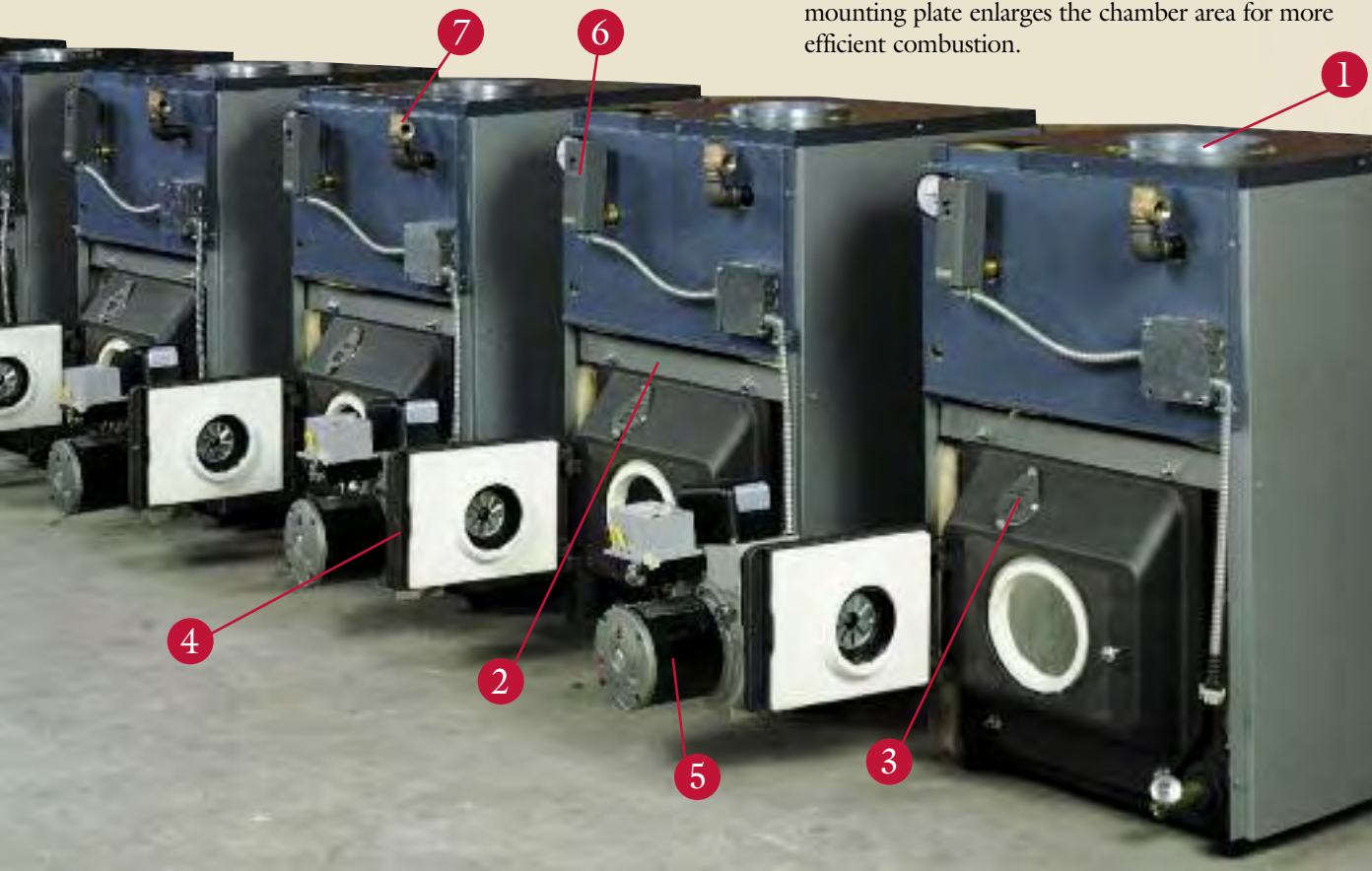
The Constellation is made of 2 or more modules allowing the option to step-fire individual modules with an outdoor reset control according to the changing outdoor conditions and heating load. By utilizing this type control, only the modules necessary to meet the heating demand of the day need to burn fuel. Most competitors commercial boilers are all "on" or all "off" wasting energy and fuel dollars on mild degree-days.

Cast-Iron Sections and Push Nipples

The Constellation system utilizes cast-iron construction in each boiler because of its durability and efficient heat transfer capabilities. Cast iron sections and push nipples are utilized to construct the heat exchanger. Using only the highest quality cast-iron and heat transfer designs, the Constellation will provide many years of efficient and trouble-free operation. And since multiple cast-iron heat exchangers are utilized, a total system shutdown is avoided because each module can operate independently and be serviced when necessary without effecting system operation.

Efficiency Ratings up to 86%

With efficiencies up to 86%, the Constellation provides increased energy savings for commercial buildings. A primary/secondary piping system increases the boiler's efficiency by circulating water only through those units in operation. In addition, the wet-base design of the Constellation encloses the combustion area with water on five sides therefore maximizing heat transfer. And a special mounting plate enlarges the chamber area for more efficient combustion.



Installation Flexibility

The Constellation system can be customized to fit specific job requirements with multi-module flexibility and a compact unit size. Unlike massive one piece commercial boiler heat exchangers, individual modules are pre-assembled and are only 22" x 32" making them easy to install and fit through small doorways eliminating any building modifications.

Easy Access and Maintenance

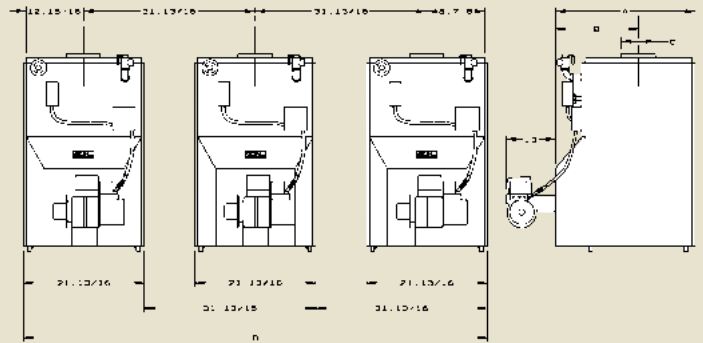
A sturdy cast-iron swing door allows for quick and easy inspection of the oil burner and combustion area while extra large flueways allow for easy cleaning and set-ups. These flue way openings are easily accessed through an integrated two part draft hood. In addition, a recessed target wall increases the chamber size and is protected from accidental flue brush damage during normal maintenance. All components are easy to reach, greatly reducing the time spent on regular maintenance and service calls.



Factory Pre-Wired & Tested

Each Constellation Boiler is shipped with controls pre-wired and is subjected to a series of rigorous quality assurance tests to provide quick and easy setup in the field.

Dimensions



MODEL NO.	A	B	C	D
* SFM6225W	29¼"	13⅝"	8"	—
* SFM7275W	32⅞"	13⅝"	8"	—
SFM24150W	21½"	12⅝"	6"	53 ¹³ / ₁₆ "
SFM25175W	25⅝"	14¼"	7"	53 ¹³ / ₁₆ "
SFM25200W	25¼"	14¼"	7"	53 ¹³ / ₁₆ "
SFM26225W	29¼"	13⅝"	8"	53 ¹³ / ₁₆ "
SFM27275W	32⅞"	13⅝"	8"	53 ¹³ / ₁₆ "
SFM36225W	29¼"	13⅝"	8"	85 ⁷ / ₁₆ "
SFM37275W	32⅞"	13⅝"	8"	85 ⁷ / ₁₆ "
SFM47275W	32⅞"	13⅝"	8"	87 ¹³ / ₁₆ "
SFM57275W	32⅞"	13⅝"	8"	149 ¹ / ₁₆ "
SFM67275W	32⅞"	13⅝"	8"	181 ¹³ / ₁₆ "
SFM77275W	32⅞"	13⅝"	8"	212 ¹¹ / ₁₆ "
SFM87275W	32⅞"	13⅝"	8"	245 ⁵ / ₈ "

* SFM6225W & SFM7275W are Single Module Units

Constellation Boiler Details.

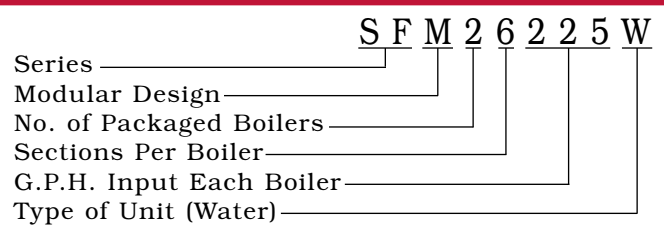
- 1 Large Flueway Openings
- 2 Cast Iron Heat Exchanger
- 3 Flame Inspection Port
- 4 Swing Door Accessibility
- 5 Flame Retention Burner - (Beckett, Carlin and Riello burners available)
- 6 Honeywell Hi-Limit Aquastat
- 7 Relief Valve

Constellation Oil-Fired, Hot Water Multiple Commercial Boiler

MODEL NO.	FIRING RATE G.P.H.	DOE INPUT M.B.H.	IBR OUTPUT M.B.H.	NET OUTPUT M.B.H.	MODEL NO.	NO. OF MODULES	BOILER WATER VOLUME (GALLONS)	BOILER WEIGHT LBS.	PUMP PRESSURE P.S.I.	NOZZLE FURNISHED
SFM6225W	2.25	315	254	221	SFM6225W	1	19.5	915	140	2.00 60B
SFM7275W	2.75	385	307	267.1	SFM7275W	1	22.5	1058	140	2.25 60B
SFM24150W	3.00	420	350	304	SFM4150W	2	27	1251	140	1.25 80B
SFM25175W	3.50	490	412	358	SFM5175W	2	33	1546	140	1.50 80B
SFM25200W	4.00	560	462	402	SFM5200W	2	33	1546	140	1.75 80B
SFM26225W	4.50	630	508	442	SFM6225W	2	39	1831	140	2.00 60B
SFM27275W	5.50	770	614	534.2	SFM7275W	2	45	2116	140	2.25 60B
SFM36225W	6.75	945	762	663	SFM6225W	3	58.5	2745	140	2.25 60B
SFM37275W	8.25	1155	921	801.3	SFM7275W	3	67.5	3174	140	2.25 60B
SFM47275W	11.00	1540	1228	1068.4	SFM7275W	4	90	4232	140	2.25 60B
SFM57275W	13.75	1925	1535	1335.5	SFM7275W	5	112.5	5290	140	2.25 60B
SFM67275W	16.50	2310	1842	1602.6	SFM7275W	6	135	6347	140	2.25 60B
SFM77275W	19.25	2695	2149	1869.7	SFM7275W	7	157.5	7905	140	2.25 60B
SFM87275W	22.00	3080	2456	2136.8	SFM7275W	8	180	8464	140	2.25 60B

MODEL NO.	DIA. OF CHIMNEY OPENING (BREECHING)	CHIMNEY SIZE (IN. X IN. X FT.)	INDIVIDUAL FLUE OUTLET SIZE
SFM6225W	8	8 x 8 x 15	8"
SFM7275W	9	8 x 12 x 15	8"
SFM24150W	9	8 x 12 x 15	6"
SFM25175W	9	8 x 12 x 20	7"
SFM25200W	9	8 x 12 x 20	7"
SFM26225W	9	8 x 12 x 20	8"
SFM27275W	10	12 x 16 x 15	8"
SFM36225W	12	12 x 16 x 15	8"
SFM37275W	14	12 x 16 x 20	8"
SFM47275W	14	12 x 16 x 15	8"
SFM57275W	18	16 x 20 x 20	8"
SFM67275W	18	20 x 20 x 15	8"
SFM77275W	22	20 x 24 x 15	8"
SFM87275W	22	20 x 24 x 20	8"

MODEL NO. CODE



Standard Equipment

Flame retention burners, cad cell primary controls, hi-limit aquastat, temperature/pressure gauge, insulated flush jacket, crated and individual module wired, 30 psi ASME relief valve and drain valve.

(Specifications and dimensions are subject to change without notice)



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