

CREEK XL

CONDENSING BOILER



DEMAND **SUPERIOR** PERFORMANCE





CREEKXL
CONDENSING BOILER

HIGH EFFICIENCY
CONDENSING
HOT WATER
BOILER

- Sizes from 3,000,000 to 5,500,000 btu/hr
- High Water Volume w/**LOW** Waterside Pressure Drop Reducing System Pump HP
- Twin Water Return for Maximum Efficiency
- Complete Heat Exchanger Made w/316Ti
- Available w/#2 Fuel Oil
- Available w/Low Emissions <9ppm Technology

THE FACTS & FIGURES

	XL-3000	XL-4000	XL-5000	XL-5500
input (btu/hr)	3,000,000	4,000,000	5,000,000	5,500,000
fuel consumption NG (ft ³ /hr)	3,000	4,000	5,000	5,500
fuel consumption #2 oil (GPH)*	21.4	28.6	35.7	39.3
output (btu/hr)	2,850,000	3,800,000	4,750,000	5,225,000
water content (gal)	502	502	483	483
weight (lbs) dry	4075	4165	4340	4375
weight (lbs) operating	8260	7350	8365	8400
DIMENSIONS (inches)				
width**	52	52	55	55
height	82 3/4	82 3/4	88 5/8	88 5/8
depth	104	104	104	104
stack connection O.D.	14	14	16	16
water inlet/outlet diameter	4	4	4	4
min. clearance to ceiling	20	20	20	20
min. side clearance	4	4	4	4
system filling/drainage	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
boiler condensation drain	1 NPT	1 NPT	1 NPT	1 NPT

*Oil is for emergency back up use only

BENEFITS

- **The most powerful**

Exhaustive thermodynamic studies over the course of many years allowed us to create a specially designed heat exchange surface for maximum total efficiency in a compact package. The efficient design has withstood the test of time with the first prototype still in operation nearly a decade later and with an installed base numbering in the thousands.

- **Maximum operating flexibility**

For any plant application, with industry leading water volume, heating surface and high thermal inertia.

- **Twin water return**

The boiler design has two return connections allowing for optimal stratification for maximum operating efficiency in multi-loop systems.

- **Quality materials**

All components in contact with flue gases are made from AISI 316Ti for highest corrosion resistance against acidic condensate in the **entire** heat exchanger.

- **Large volume**

A large volume corrugated furnace ensures proper combustion of natural gas, LP, and emergency backup #2 oil. Having a large corrugated furnace also allows us to run at low excess air levels of 15%, and in some cases, less ensuring the dew point remains high for maximum condensing operating hours even in high load periods.

- **Simple maintenance**

With a burner mounted directly to the robust front door, yearly burner tune-ups or maintenance checks have never been easier. Access to the furnace is provided by an ample, hinged front door which can be opened in a matter of seconds with simple tools. In addition all Creek XL models feature a second front door at the bottom of the boiler for increased access. Waterside inspection points are also provided.



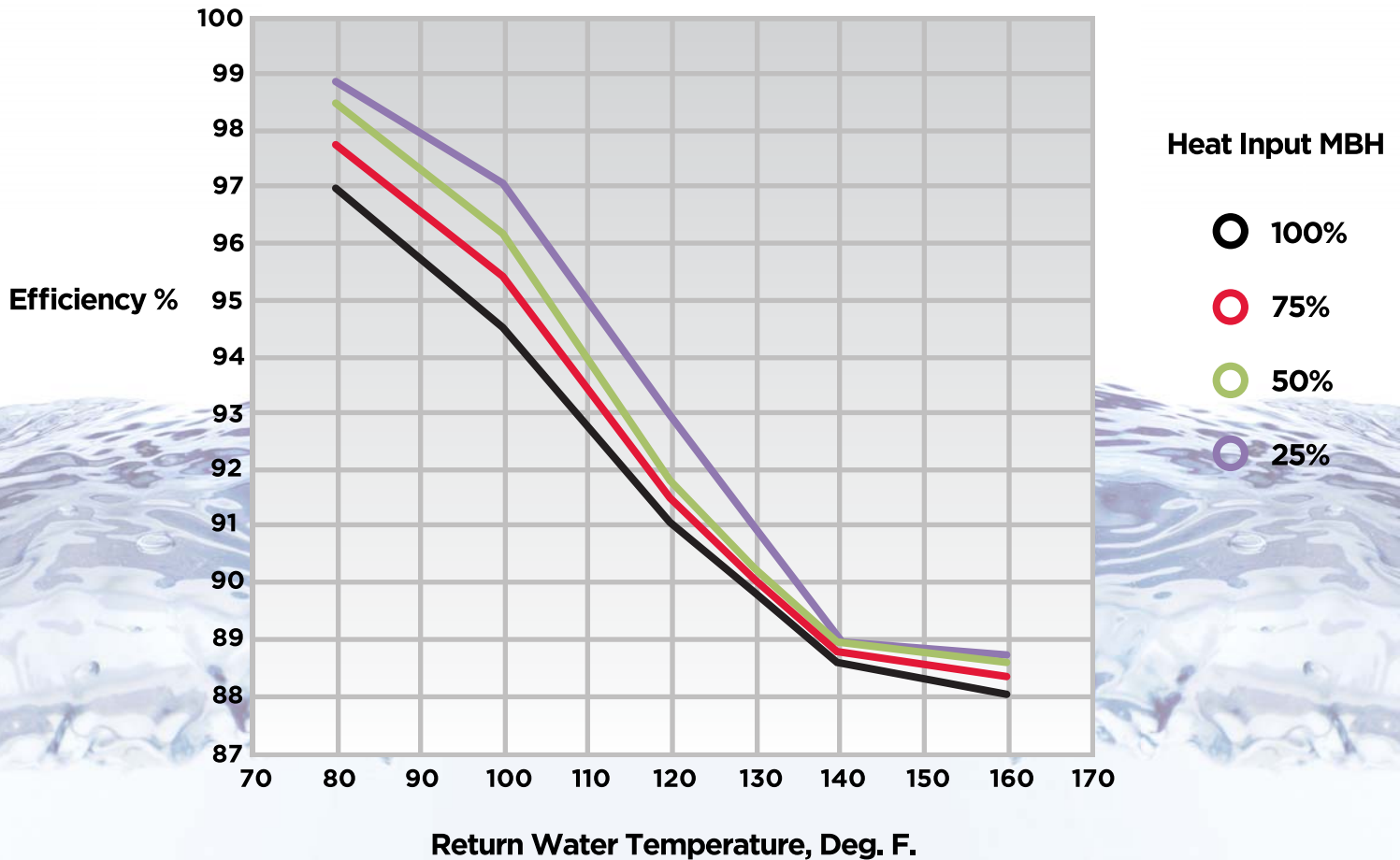


BOILER EFFICIENCY

CREEK-XL 5000

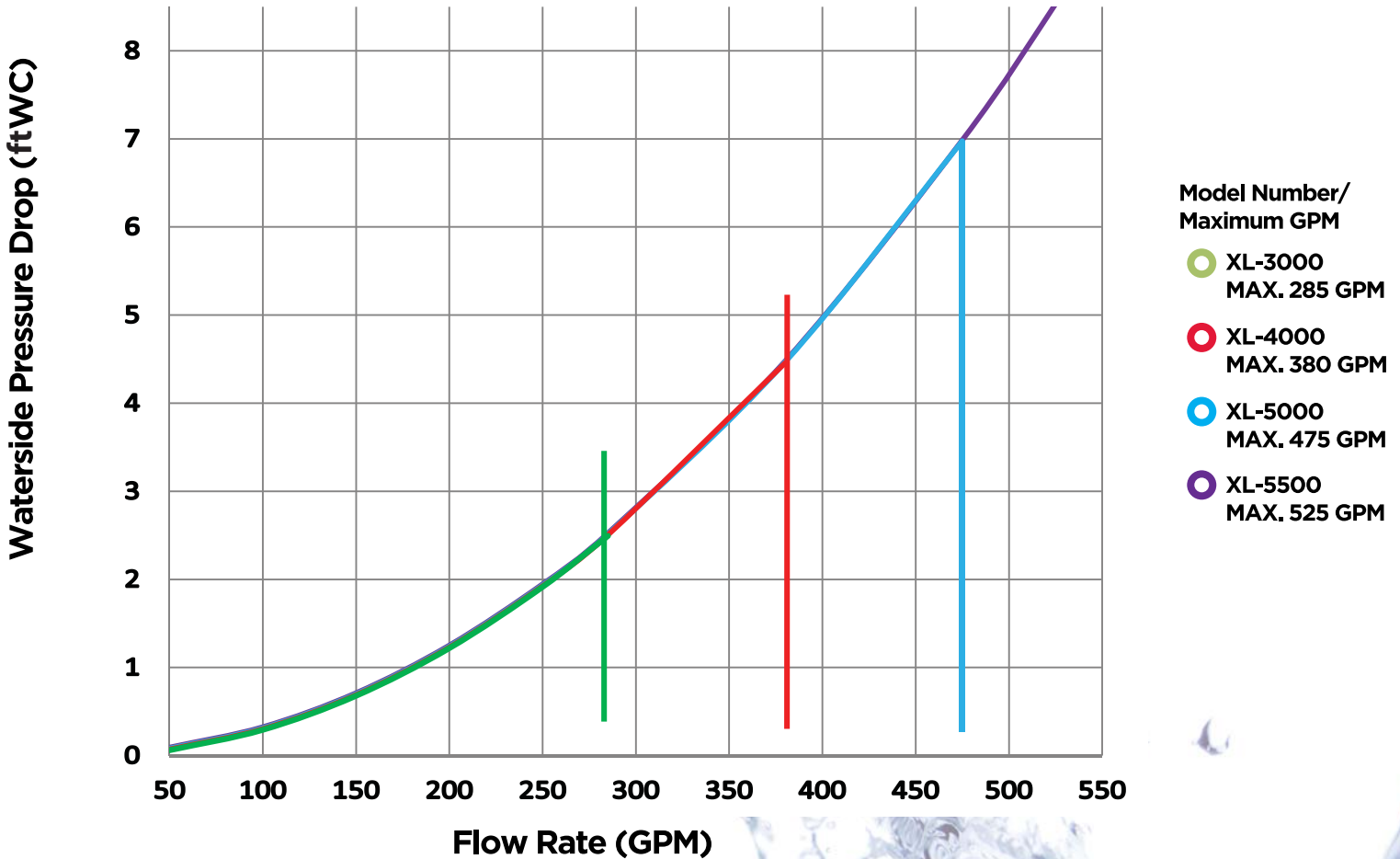
Heat Input MBH	Firing Rate %	Return Water Temperature					
		80	100	120	130	140	160
5000	100	97.00	94.51	91.03	89.79	88.54	88.04
3750	75	97.72	95.29	91.45	90.03	88.81	88.34
2500	50	98.58	96.07	91.87	90.35	88.99	88.64
1250	25	98.92	96.91	92.85	90.99	89.08	88.74

Performance per BTS-2000



WATERSIDE PRESSURE DROP

Low Waterside Pressure Drop Reduces Electrical Consumption



“Introducing a product that will change the way our industry sees condensing boiler technology.”

Superior Boiler Works, Inc. Press Release - 01/2013

The Creek XL condensing boiler is specifically designed to deliver maximum total efficiency and lowest total emissions, while maintaining a responsive load response and low waterside pressure drop, for both the replacement heating boiler market and new construction. Uniquely constructed with a large volume corrugated furnace, dimpled heating surfaces, and generous water content, the boiler can tolerate extremely low minimum flows approaching zero gallons per minute, making it the most versatile choice for any system.

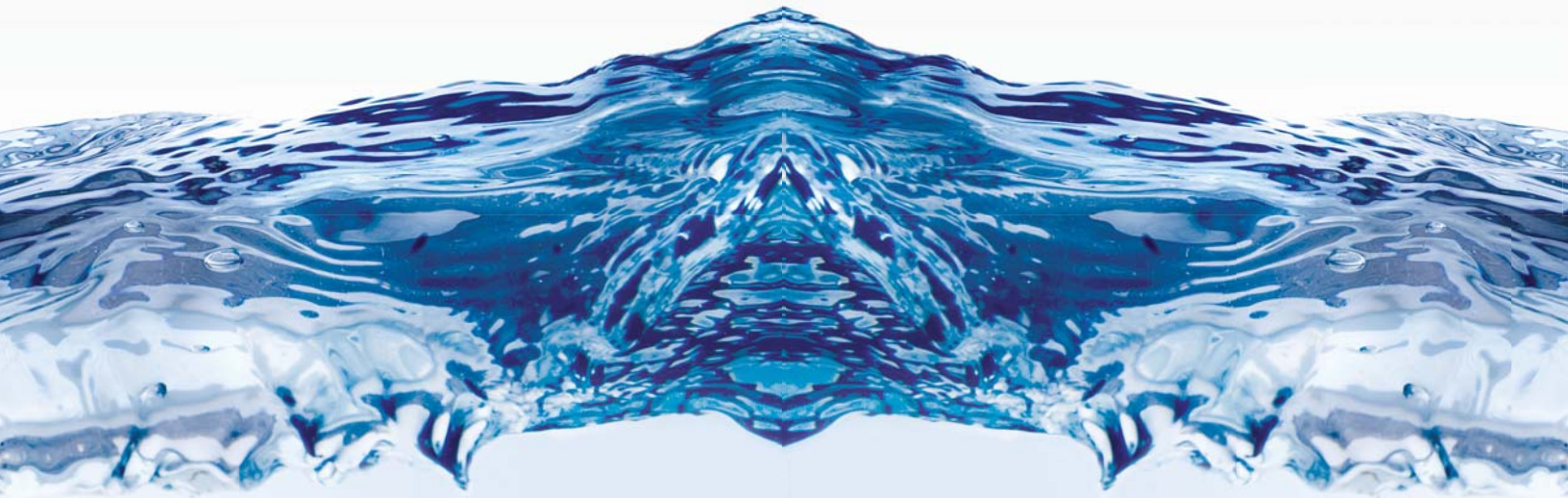




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