

Water Tube Boilers

GAS or OIL:
12,500,000–120,000,000 BTU

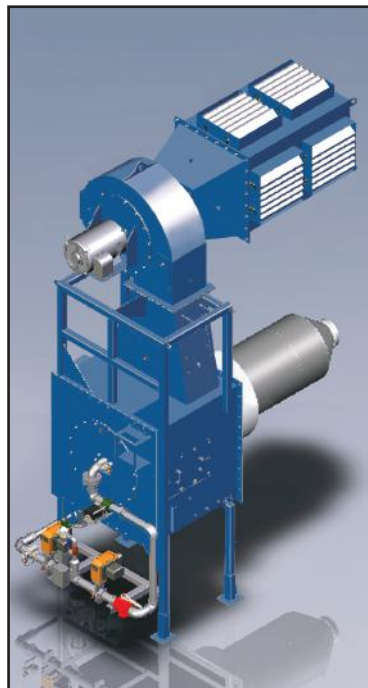
Power Flame's Proven Solutions for Gas/Oil Fired Water Tube Boilers

Power Flame has several proven solutions available for gaseous or liquid fired water tube boilers. In an industry previously dominated by windbox/register type burners, Power Flame offers two distinct solutions: windbox/register type burners in the Vector, Cmax and ultra low NOx CSB models; or gun style burners in the Cmax, Ultra Cmax and Nova Plus models.

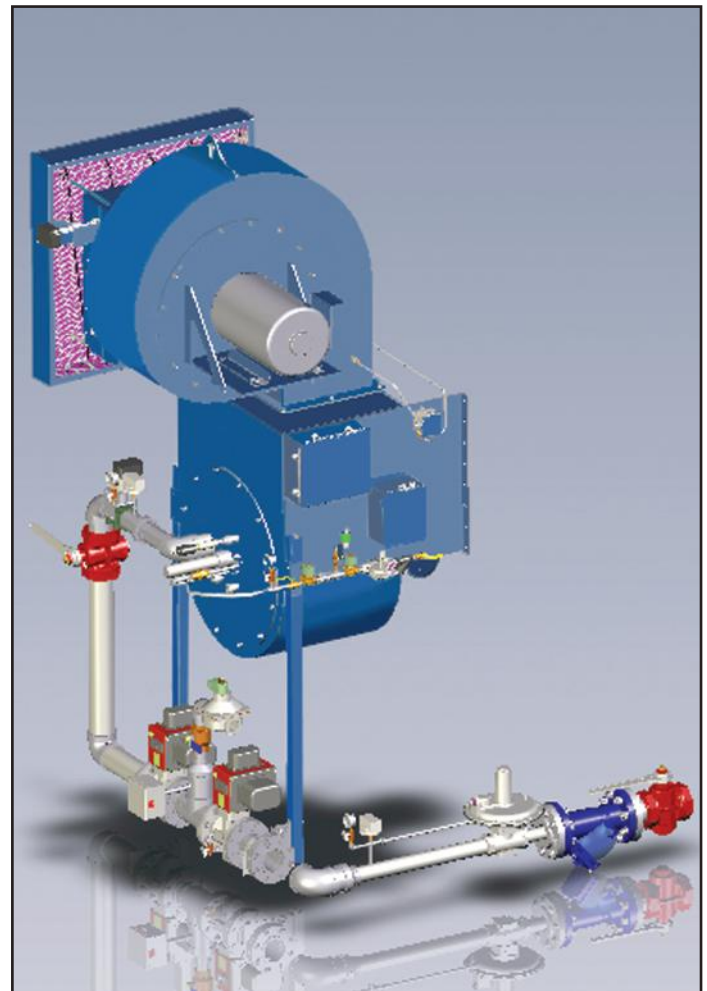
Our range of burners offer maximum efficiency, stable combustion, low and ultra low NOx emissions. PLC or microprocessor-based state-of-the-art controls are available along with industrial grade fuel components and accessories.

Our modular concept common on all Power Flame burners produces added

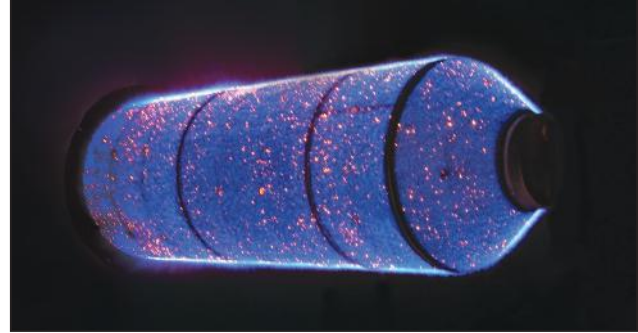
flexibility for a wide range of optional features and code requirements. When possible, our packaged combustion systems are factory fire-tested to ensure cost effective installation and start-up.



Windbox style ultra low NOx CSB burner.

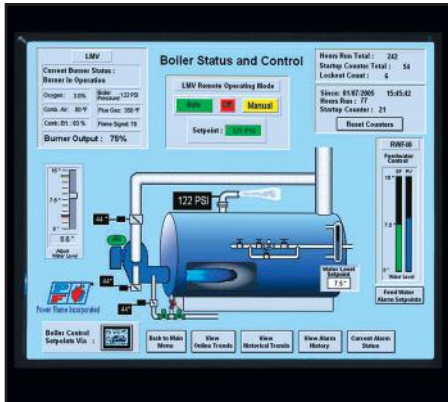


Windbox style Vector gas/oil burner



Nova Plus and CSB Burners Powered by **ALZETA CORPORATION** CSB Technology

CONTROL OPTIONS



State of the art Director SCS Touch Screen Controls are available on all models.



Multiple Boiler Free Standing Control Panels with Touch Screen Displays



A-B PLC based burner management and combustion controls

CAPACITIES / BURNER SELECTIONS / NOX EMISSIONS

BOILER SIZE	CMAX		VECTOR		UCM (3)		NVC		CSB	
	GAS	OIL (1)	GAS	OIL (1)	GAS	OIL(1,2)	GAS	OIL(1,2)	GAS	OIL (1)
	< 15PPM	< 40PPM	< 20PPM	< 40PPM	< 9 PPM	< 40PPM	< 9 PPM	< 40PPM	< 9 PPM	< 40PPM
10,000 PPH	X	X	X	X	X	X	X		X	
20,000 PPH	X	X	X	X	X	X	X		X	
30,000 PPH	X	X	X	X	X	X	X		X	
40,000 PPH	X	X	X	X			X		X	
50,000 PPH	X	X	X	X			X		X	
60,000 PPH	X	X							X	
70,000 PPH	X	X							X	
80,000 PPH	X	X							X	
90,000 PPH	X	X							X	
100,000 PPH	X	X							X	

NOTES: 1. Oil NOx Emission based on Amber Oil and use of FGR 2. Emergency Back-up Only 3. Emissions based on membrane wall furnace

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