

VICTORY ENERGY®

FRONTIER® series

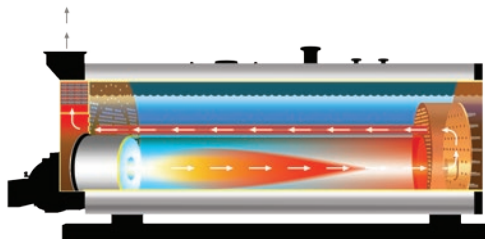
FIRETUBE BOILER



Excellence in the Making

Every FRONTIER® firetube boiler is produced against a companywide "Concept to Completion" credo that exists from project inception through to boiler commissioning and start-up. Our manufacturing facilities are equipped to deliver on the diversity of firetube applications across multiple industries.

Our firetube team works seamlessly from in-house engineering and project management on through to manufacturing, logistics and field service to deliver a flawless product. Victory Energy controls the quality and timeliness on all project engagements to ensure that the product arrives on time and on budget.



2-PASS WETBACK

WITH INTEGRAL ECONOMIZER



All 2-pass boilers include a VEO shop-assembled enhanced heat recovery system.

The Victory Energy FRONTIER® two-pass wetback series with integral economizer offers unbeatable performance in a compact package that requires minimum boiler room space while providing maximum efficiency.

HP RANGES FROM 200 HP - 2,500 HP



FIRETUBE BOILER

2-PASS WETBACK WITH INTEGRAL ECONOMIZER

LARGE FURNACE & TURNAROUND

The 2-pass design is never less than 26" turnaround depth. Overall low gas side pressure drop results in low back pressure, facilitating excellent burner performance with low blower motor HP requirements.

MINIMAL THERMAL STRESS

A single flue gas turnaround from the furnace to the 2nd pass tubes minimizes tube sheet temperature differentials. Less thermal stress means reduced maintenance and repair costs.

FIRESIDE MANWAY

All wetback boilers are equipped with a 24" rear access plug that is a true fireside "manway". It is mounted on a hinged davit, allowing easy opening and closing for inspection and maintenance safely without the need for extra manpower or equipment.

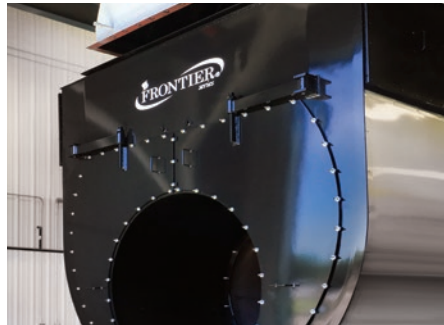
EROSION PROTECTION

Thermal insulation on davited front doors is fully encapsulated with 16-gauge sheet metal to eliminate erosion and provide protection during maintenance. The reinforced rear "skin" is extremely durable and will not decay over time.

RING GROOVE ENGINEERING

Exclusive Victory "ring groove" tube attachment and minimum 3/4" ligament distance between tubes coupled with a tubesheet thickness which is never less than 3/4" results in a very robust tube-to-tubesheet connection

Large steam chest provides dry steam and handles the most demanding load conditions.



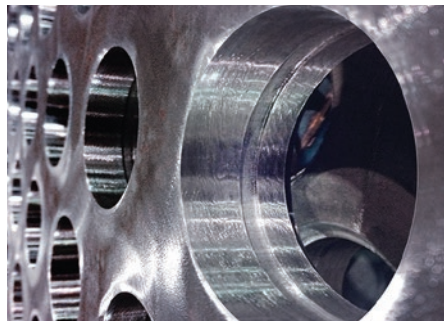
HEAVY-DUTY DAVITED DOORS



CORRUGATED FURNACE *



HINGED & DAVITED REAR ACCESS PLUG



RING GROOVE WITH 3/4 INCH LIGAMENTS

MODEL	MAX CAP	HEIGHT	WIDTH	LENGTH
F2-200 ¹	6,900 PPH	104"	89"	209"
F2-250 ¹	8,625 PPH	104"	89"	235"
F2-300 ¹	10,350 PPH	108"	93"	243"
F2-350 ¹	12,075 PPH	114"	102"	240"
F2-400 ¹	13,800 PPH	114"	102"	258"
F2-500 ¹	17,250 PPH	124"	112"	258"
F2-600 ¹	20,700 PPH	124"	112"	282"
F2-700 ¹	24,150 PPH	128"	116"	290"
F2-750 ¹	25,875 PPH	128"	116"	302"
F2-800 ¹	27,600 PPH	128"	116"	316"
F2-900 ¹	31,050 PPH	134"	122"	296"
F2-1,000 ¹	34,500 PPH	134"	122"	320"
F2-1,100 ²	37,950 PPH	140"	125"	260"
F2-1,200 ²	41,400 PPH	140"	125"	278"
F2-1,300 ²	44,850 PPH	144"	129"	290"
F2-1,400 ²	48,299 PPH	144"	129"	302"
F2-1,500 ²	51,749 PPH	144"	129"	326"
F2-1,600 ²	55,199 PPH	148"	133"	326"
F2-1,700 ²	58,699 PPH	148"	133"	342"
F2-1,800 ²	62,099 PPH	148"	133"	358"
F2-2,000 ²	69,000 PPH	160"	147"	323"
F2-2,200 ²	75,900 PPH	160"	147"	341"
F2-2,500 ²	86,250 PPH	160"	147"	377"

Note: ¹200 thru 1,000 HP Dimensions are "overall" including burner.

Trim mounted on one side only.

²1100HP – 2,500 HP Dimensions do not include burner.

Burner selection will determine "overall" length.

Please contact Factory for specific dimensions.

For pressures exceeding 300 PSIG, please consult factory.

* Corrugated furnaces are applicable when design pressures are 200 PSIG or above - HP range from 1,600HP to 2,500HP.

