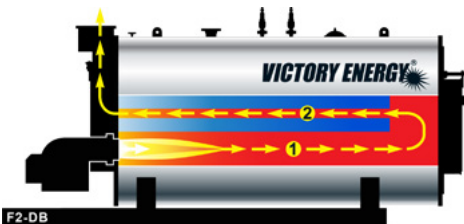


FIRETUBE BOILER

2-PASS DRYBACK

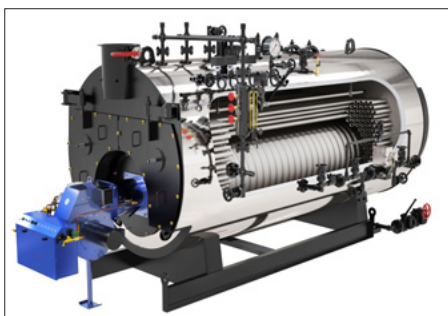


2-PASS TECHNOLOGY

- Liberal steam disengaging area
- Minimal furnace over-fire pressure for lower blower HP requirements
- Less tubesheet temperature differentials
- Front flue gas outlet facilitates field replacement of 4-pass boilers
- Rifled tubes are used to improve overall thermal performance

DRYBACK DESIGN

- Full access to front and rear tubesheets for ease of maintenance
- Lower capital cost



ENGINEERED FOR MAXIMUM EFFICIENCY AND EASE OF SERVICEABILITY

EXCELLENCE IN THE MAKING

Every FRONTIER[®] firetube boiler is produced against a company-wide “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.

HP RANGES FROM 50 HP - 2,500 HP



F2-DB FEATURES / OPTIONS

- ✓ Ring groove technology
- ✓ Front davited doors
- ✓ Rear davited entry door to furnace and entry of 2nd pass
- ✓ Heavy-duty gauge tubes - 0.105” MW
- ✓ .75-inch minimum tubesheet wall thickness
- ✓ Heavy-duty steel frame
- ✓ Refractory-backed reversing chamber
- ✓ Stainless steel jacket with 2-inch mineral wool insulation
- ✓ Note: Corrugated furnace will be offered on any size if high pressure designs are required and if customer prefers over plain furnace.



HEAT RECOVERY OPTION INCLUDES FACTORY INSTALLED INTEGRAL ECONOMIZER

FIRETUBE BOILER

2-PASS DRYBACK

LARGE FURNACE

Generous furnace is suitable for all burners and fuels, also facilitates low emissions.

EROSION PROTECTION

Rather than using hardener over insulation on davited doors, as most competitors do, Victory Energy takes the extra step of providing a high performance metal covering to protect insulation.

RIFLED TUBES

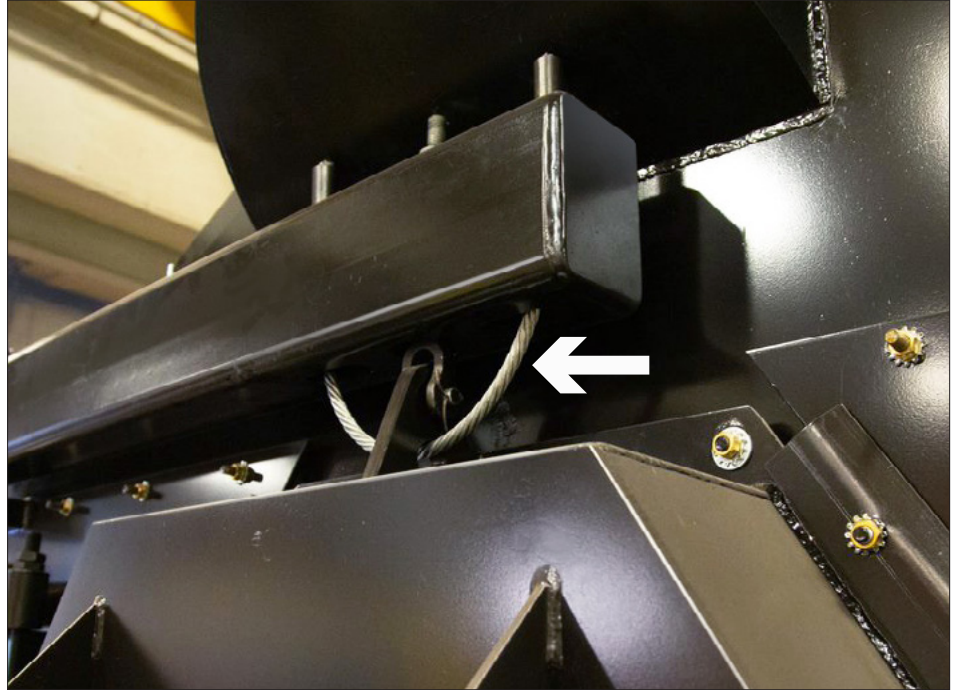
Because of their internally rifled shape, the rifled tubes are more efficient. The rifling creates turbulent flow which enhances heat transfer between the fireside and the waterside.

MINIMAL THERMAL STRESS

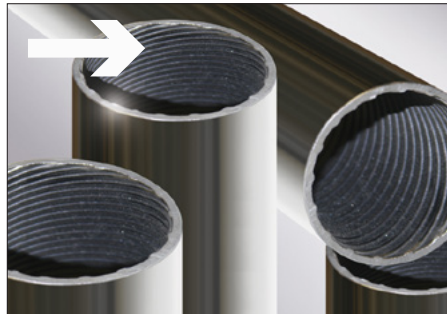
Less thermal stress means reduced maintenance and repair costs.

RING GROOVE ENGINEERING

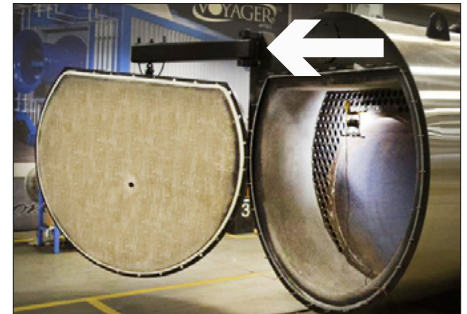
Exclusive Victory Energy “ring groove” standard tube attachment results in a very robust tube to tubesheet connection. The added ring groove creates a 40% stronger joint.



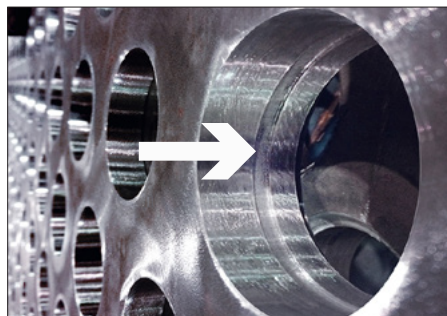
EXCLUSIVE HINGED DOOR SAFETY CABLE ASSEMBLY



RIFLED TUBES



ROBUST REAR HINGED DOOR ASSEMBLY



RING GROOVE WITH 3/4 INCH LIGAMENTS

NOTE:

For dimensions and data info, contact your firetube rep for Document F2-DB-NE.