



Price Guide

1. Select a boiler price: **Table 1**
2. Select desired trim option codes: **Table 2**
3. Select a burner mounting option: **Table 3**
4. Add appropriate burner trim options: **Table 4**
5. Add burner and controls: **By-Others**
6. Add items from steps 1 -5: **Total net price**

TABLE 1
Boiler

Model	Hot Water Unit		Steam Boiler	
	30 PSIG	125 PSIG	15 PSIG	150 PSIG
PFBX100-3	\$25,345	\$26,423	\$25,478	\$26,962
PFBX125-3	\$27,658	\$28,835	\$27,806	\$29,424
PFBX150-3	\$30,073	\$31,353	\$30,234	\$31,992
PFBX200-3	\$38,973	\$40,632	\$39,180	\$41,461
PFBX250-3	\$42,276	\$44,075	\$42,501	\$44,975
PFBX300-3	\$49,620	\$51,732	\$49,885	\$52,788
PFBX350-3	\$52,510	\$54,744	\$52,789	\$55,861
PFBX400-3	\$60,281	\$62,845	\$60,601	\$64,129
PFBX500-3	\$65,993	\$68,802	\$66,344	\$70,205
PFBX600-3	\$75,910	\$79,141	\$76,314	\$80,755
PFBX750-3	\$88,187	\$91,940	\$88,657	\$93,858

ALL PRICES SHOWN ARE NET PRICES
Do not discount prices shown

Prices are for boiler only with standard trim
**BURNER AND CONTROLS ARE NOT INCLUDED AND
MUST BE ADDED SEPARATELY**

TABLE 2 **Steam Boilers**

Trim

<p align="center">On/Off Feedwater Valve Train</p> <p>(1) Stop Valve (1) Check Valve</p> <p>Option: FW1 100 HP price add: \$336 Option: FW2 125 - 350 HP price add: \$477 Option: FW3 400 - 750 HP price add: \$590</p> <p align="center">Electric Proportioning Feedwater Valve Train</p> <p>(1) Stop Valve (1) Check Valve (1) By-pass piping set with isolation valves (1) Electric proportioning feedwater valve (1) McDonnell Mill #194-7B water column/valve controller</p> <p>Option: FW4 200 - 350 HP price add: \$4,755 Option: FW5 400 - 500 HP price add: \$5,443 Option: FW6 600 - 750 HP price add: \$5,658</p> <p><i>Note: Electric modulating level controls are only for use with 150 psig steam boilers 200 HP and larger.</i></p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto; margin-right: auto;"> <p align="center">Choose only one option in this section</p> </div>	<p align="center">Continuous Blowoff Valve Train</p> <p>(1) Stop valve (1) Metering valve - Manual</p> <p>Option: CB1 100 thru 250 HP price add: \$584 Option: CB2 300 thru 600 HP price add: \$673 Option: CB3 750 HP price add: \$902</p> <hr/> <p align="center">Bottom Blowdown Valve Train</p> <p>(1) Slow opening valve - Everlasting (2) Quick opening valves - Everlasting</p> <p>Option: BB1 100 thru 150 HP price add: \$3,671 Option: BB2 200 thru 750 HP price add: \$4,088</p>
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Hot Water Units

<p align="center">Manual Vent Valve Train</p> <p>(1) Stop Valve</p> <p>Option: MV1 100 - 750 HP price add: \$528</p> <hr/> <p align="center">Auxiliary Low Water Cutoff</p> <p>(1) McDonnell Miller #150M</p> <p>Option: AL1 100 - 750 HP price add: \$897</p>	<p align="center">Bottom Drain Valve Train</p> <p>(1) Slow opening valve - Everlasting</p> <p>Option: BD1 100 thru 150 HP price add: \$1,304 Option: BD2 200 thru 750 HP price add: \$1,504</p>
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TABLE 3

Burner
Mounting

Burner Mounting Options										
Note: Price does not include burner refractory cone and adapter										
Boiler HP	Burner Mounting Only			Burner Mounting With Level 1 Firetest			Burner Mounting With Level 2 Firetest			FGR
	Gas	#2 Oil	Combination Gas #2 Oil	Gas	#2 Oil	Combination Gas #2 Oil	Gas	#2 Oil	Combination Gas #2 Oil	
100	\$693	\$693	\$1,001	\$1,247	\$1,247	\$1,555	\$4,019	\$4,019	\$4,327	Consult Factory
125 - 250	\$693	\$693	\$1,001	\$1,247	\$1,247	\$1,555	\$4,019	\$4,019	\$4,327	
300	\$693	\$693	\$1,001	\$1,247	\$1,247	\$1,555	\$4,019	\$4,019	\$4,327	
350 - 600	\$1,001	\$1,001	\$1,386	\$1,555	\$1,555	\$1,940	\$4,327	\$4,327	\$4,712	
750	\$1,386	\$1,386	\$1,848	\$1,940	\$1,940	\$2,402	\$4,712	\$4,712	\$5,174	

BURNER MOUNTING pricing includes

Burner Mounting Only - Natural Gas or #2 Oil:

- Customer supplied burner and refractory cone** will be factory mounted
- Fuel train components** will be piped and mounted on skid
- Oil pump, compressor and or strainer** will be shipped loose with boiler
- Wiring** between boiler trim and burner controls will be run in conduit as required for NEMA 1

Mounting with Level 1 Firetest - Natural Gas and or #2 Oil:

- Customer supplied burner** and refractory cone will be factory mounted
- Fuel train components** will be piped and mounted on skid
- Oil pump, compressor and or strainer** will be shipped loose with boiler
- Wiring** between boiler trim and burner controls will be run in conduit as required (NEMA 1 greenfield)
- Factory firetest** on light off and low fire only, burner will not be run at full load and combustion curves will not be set

Mounting with Level 2 Firetest - Natural Gas and or #2 Oil:

- Customer supplied burner** and refractory cone will be factory mounted
- Fuel train components** will be piped and mounted on skid
- Oil pump and or compressor and or strainer** will be shipped loose with boiler
- Wiring** between boiler trim and burner controls will be run in conduit as required (NEMA 1 greenfield)
- Factory firetest** on light off thru high fire, burner will be adjusted tuned. A firetest report will be included

Note: When Level 2 factory firetest is selected JBC may require factory assistance with burner and controls. If this is required the costs for these services will be at customer expense based on actual time and materials

TABLE 4

Burner Control & Trim

Burner, control, and trim options (Not included in burner mounting pricing)	
Add for control panel mounting (If supplied loose from burner)	\$788
Add for flanged gas trains - (Maximum 4" flanged)	\$788
Add for rigid and sealite conduit (In lieu of standard greenfield conduit)	\$578
Add for linkagless system set-up	\$306
Add for remote combustion air fan mounting (Shipped loose from boiler)	\$361
Add for sequencing draft controls mounted and wired	\$623
Add for VFD mounting and wiring	\$277
Add for O₂ trim mounting	\$632
Note: For PLC based control systems - Consult factory for pricing options	

Notes:

1. Control panels, and accessories will only be mounted if they are able to fit within standard skid dimensions
2. Freight, offloading, rigging, and taxes are not included in price
3. Reference **Bulletin 309-1T** for weights, dimensions, technical data, and detailed descriptions of standard trim
4. Do not supply fully assembled gas trains. Gas train components must be shipped loose for factory assembly.
5. Final burner set-up will be required post installation at job site. Factory firetest does not guarantee actual jobsite performance
6. Burners must be equipped with spare terminals for low fire hold switch



When Ordering

- ◆ Provide Complete pricing breakdown
- ◆ Complete and return order entry documents below
- ◆ Provide burner details to include delivery schedule, model number, and combustion control series and type

Equipment Sales Order Administration Information		Boiler Data Sheet	
Date		Quantity	
Job Name (End User)		Series	309
Job Location (City & State)		Model Number	See sample model number below
Order Approved For <input type="checkbox"/> Manufacturing <input type="checkbox"/> Submittals <input type="checkbox"/> Other (specify)		Horsepower	
Shipping Date Required		Number Of Passes	3
Customer Witnessed Test <input type="checkbox"/> Hydro <input type="checkbox"/> Firetest		Fuels <input type="checkbox"/> Natural Gas <input type="checkbox"/> #2 Oil <input type="checkbox"/> Natural Gas & #2 Oil	
Invoice To (Purchaser)		Design Pressure <input type="checkbox"/> 30# Water <input type="checkbox"/> 125# Water <input type="checkbox"/> 15# Steam <input type="checkbox"/> 150# Steam	
Address		Operating Pressure	
City		Safety/Relief Valve Set Pressure	
State		Primary Voltage <input type="checkbox"/> 208-3-60 <input type="checkbox"/> 460-3-60 <input type="checkbox"/> Other (specify)	
Zip Code		Natural Gas Pressure Available	
Purchase Order Number		Altitude (Feet above sea level)	
Purchase Order Total		Insurance Requirements <input type="checkbox"/> NFPA <input type="checkbox"/> IRI <input type="checkbox"/> FM <input type="checkbox"/> CSD-1 <input type="checkbox"/> Other (specify)	
Freight Amount Included		Water Boiler Data Supply Temperature ____ Return Temperature ____ Delta T ____	
Service Amount Included		Paint Requirements 309 Series Paint and Markings	
Tax Exempt Sale <input type="checkbox"/> Yes <input type="checkbox"/> No		Option Code(s) <input type="checkbox"/> Option Code ____	
If Yes - Tax Exempt Number		<input type="checkbox"/> Option Code ____	
Payment Terms		<input type="checkbox"/> Option Code ____	
Submittal Requirements <input type="checkbox"/> Electronic - Emailed <input type="checkbox"/> Hard Copy (Qty.)		Burner Mounting Options	<input type="checkbox"/> Burner mounting only
Manual Requirements <input type="checkbox"/> Electronic - CD <input type="checkbox"/> Hard Copy (Qty.)		Specify One Only	<input type="checkbox"/> Burner mounting with level 1 firetest
Warranty <input type="checkbox"/> Standard 1 Year/18 months <input type="checkbox"/> Special - Describe			<input type="checkbox"/> Burner mounting with level 2 firetest
Start-Up By		Burner Control & Trim Options	<input type="checkbox"/> Control panel mounting
Send Start-Up Controls To			<input type="checkbox"/> Flanged gas train (maximum 4" flanged)
Special Start-up Requirements			<input type="checkbox"/> Rigid & Sealrite conduit
Shipping Terms <input type="checkbox"/> FOB Factory <input type="checkbox"/> Other (specify)			<input type="checkbox"/> Linkageless system
Carrier <input type="checkbox"/> JBC To Arrange <input type="checkbox"/> Other (specify)			<input type="checkbox"/> Remote combustion air fan assembly
Ship To			<input type="checkbox"/> Sequencing draft controls
Street Address			<input type="checkbox"/> VFD mounting
City			<input type="checkbox"/> O ₂ Trim mounting
County		Other Special Requirements (Clearly Specify)	
State			
Zip Code			
Notification Requirements <input type="checkbox"/> Call when ready <input type="checkbox"/> Other (specify)			
Tag/Marking Requirements			
Additional Information			

Sample Model Number

Model Number
 Model: **PFB X 100 - 3 LG 150 S**

309 Series → PFB
 Burner Type → X
 Boiler HP → 100
 Number of Passes → 3
 Fuels → LG
 Design Pressure → 150
 S = Steam
 W = Water

Options and Codes as selected:

FW1 = On/Off Feedwater valve train
BB1 = Bottom blowdown valve train
 Control Panel mounting
 Linkageless system set-up



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