509 Series
PACKAGED FIREFUBE BOILERS

Model Description Key

The Johnston boiler is a steam or hot water packaged firetube boiler, ranging in size from 50 to 2,500 horsepower, 15# to 350# design pressure, 3 or 4 pass, of welded steel construction with submerged rear combustion chamber. The package consists of a pressure vessel, base frame, forced draft burner, fuel train(s), control panel, power panel, and miscellaneous boiler trim.

Your Johnston boiler will be assigned a model number made up of the following:

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<tbody>
<tr>
<td>PFT</td>
<td>A</td>
<td>600</td>
<td>-</td>
<td>4</td>
<td>LG</td>
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<tr>
<td>1</td>
<td>2</td>
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1. **PFT, PFX** = Packaged Firetube (Boiler), XID Packaged Firetube

2. **Type of Burner** =
   - **A** = Johnston “A” burner
   - **J** = Johnston “J” burner
   - **I** = Industrial Combustion burner
   - **JO** = Ohio Special with “J” style burner
   - **AO** = Ohio Special with “A” style burner
   - **X** = No burner
   - **P** = Power Flame burner
   - **G** = Gordon Piatt burner
   - **W** = Webster burner
   - **S** = Johnston “S” burner
   - **Z** = Alzeta

3. **Horsepower** = 50 through 3,000

4. **Number of passes** = 2, 3 or 4

5. **Fuels** =
   - **H** = Heavy oil
   - **M** = Medium oil
   - **L** = Light oil
   - **G** = Natural gas
   - **P** = Propane or Propane-Air Mix
   - **X** = Special or no burner supplied at factory

6. **Design Pressure** = 15 to 350

7. **Type of Boiler** =
   - **S** = Steam
   - **W** = Hot Water
   - **WG** = Water Glycol