509 Series

PACKAGED FIRETUBE 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:

PFT	A	600	-	4	LG	150	S
1	2	3	-	4	5	6	7

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