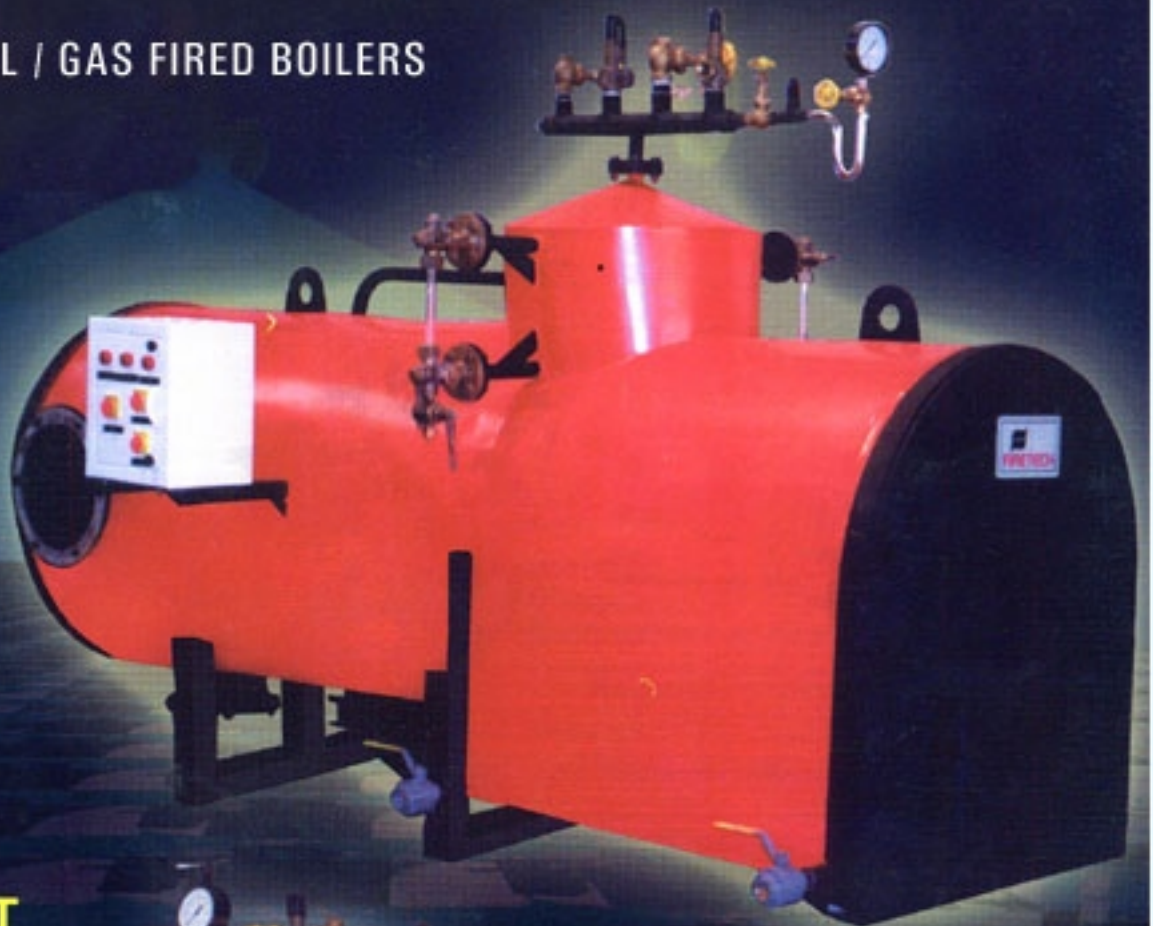


WOOD FIRE & OIL / GAS FIRED BOILERS



- RUGGED
- EFFICIENT
- RELIABLE



Amba Enterprises

Wood Fired Industrial Boiler



DESIGN

Steam Boiler is a solid fuel, single pass, multi-tubular boiler designed for coal, wood or any solid fuel. This versatile boiler is a unique combination of fuel efficiency and dependability. It's fully-welded construction uses only IBR-approved steel plates and tubes and is equipped with a water-cooled firebox that conforms to the latest IBR regulations under the Small Industrial Boiler Act.

CONSTRUCTION

Boiler's gas tight water cooled built-in furnace ensures complete combustion of fuel and efficient transfer of radiant heat. Its optimum refractory lining keeps the combustion temperature at the right level. A carefully selected gas velocity guarantees an optimal transfer of heat from the hot gases as they pass through the gas tubes.

LONG LIFE

Boiler is made from high quality steel tubes and plates that meet IBR regulations. Perfect internal water circulation ensures an even expansion, increasing the life of the boiler. Extremely strict quality control during construction, hydraulic test, individual assembly tests and overall inspection of boiler provide a trouble-free operation and a longer life.

MAINTENANCE

Front and rear removable doors provide easy access to the furnace and smoke tubes for cleaning and maintenance.

SAFETY

Boiler is equipped with quality boiler fittings, water level indicators, steam safety valves among other necessary valves for a safe and reliable operation.

DRY STEAM

The large steam chest ensures steady and dry steam.

Oil / Gas Fired Boiler



DESIGN

Steam Boiler is a unique fuel efficient, oil / gas fired, three-pass, wet-back multi-tubular, reverse flue, package boiler approved by IBR as a small industrial boiler.

CONSTRUCTION

Boiler is constructed according to the latest IBR Act for small industrial boilers. A large furnace ensures complete combustion with high radiant heat transfer. Large smoke tubes with gas spirals are provided to ensure high rate of convective heat transfer. All welds in the Suprafire Boiler are subjected to shear rather than tension. Perfect internal water circulation system guarantee even thermal expansion. Extremely strict quality control during all stages of manufacturing, hydraulic test, individual assembly test, overall inspection of boiler and fire test on completion ensure trouble-free performance and a long life.

OPERATION & MAINTENANCE

Front swing open door and removable rear door makes cleaning and maintenance easy.

FIRING EQUIPMENT

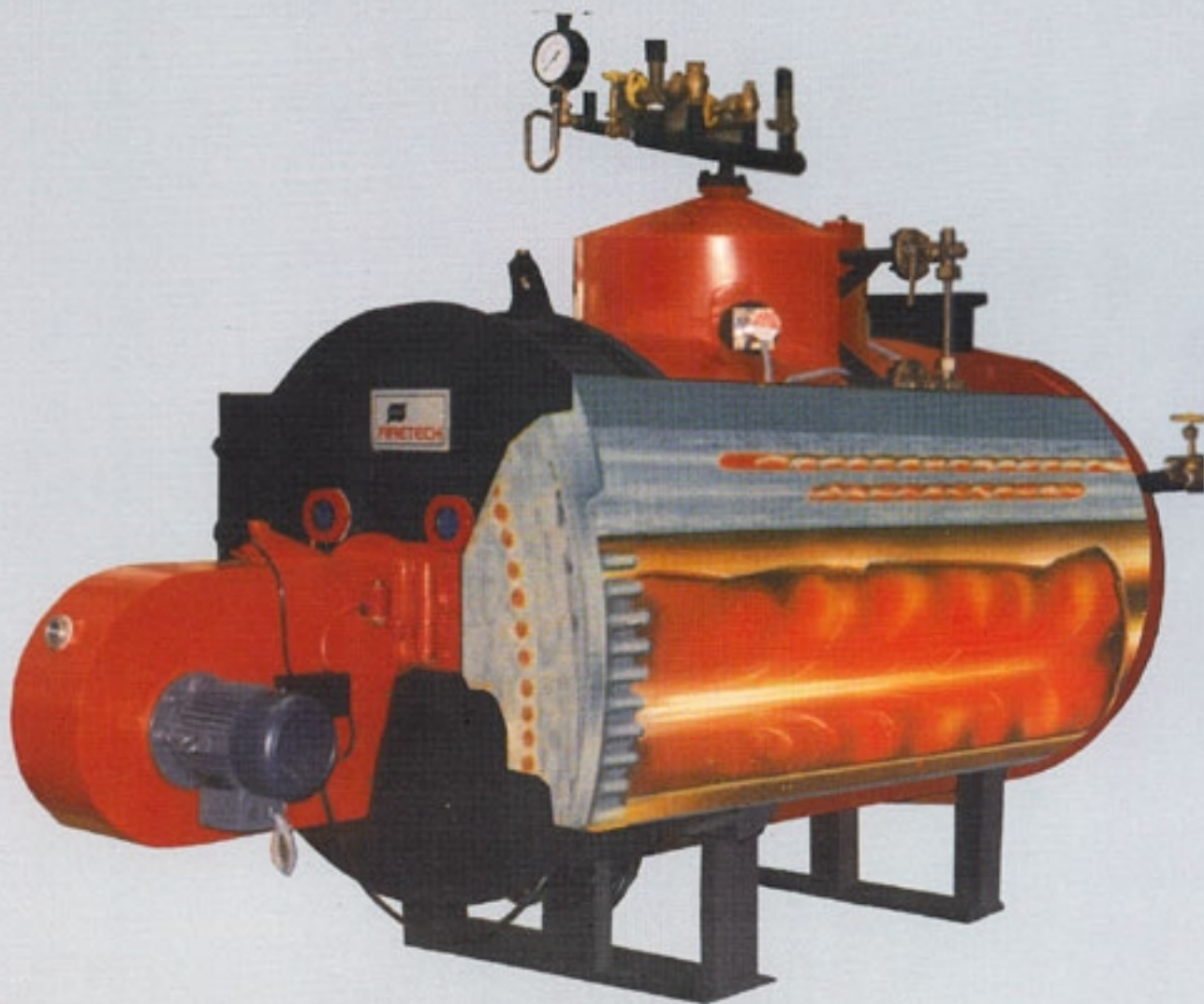
Rugged fuel efficient, forced draft monobloc burner provides complete combustion. A fuel pumping and heating unit, combustion blower and control panel provide for a fully automatic operation of the boiler.

DRY STEAM

The large steam chest ensures steady and dry steam.

SAFETY

Boiler is equipped with IBR-approved boiler fittings, auto level controller, low level trip, steam safety valve, steam high pressure trip, level indicators and auto / manual level control to ensure a safe and reliable operation.





STANDARD MODELS

WOOD FIRED SMALL INDUSTRIAL BOILER

Model	Capacity
SB-20	200 Kg/h
SB-40	400 Kg/h
SB-60	600 Kg/h

Working pressure: 7 kg/cm²g (=100 Psig) F & A 100° C

OIL / GAS FIRED

Model	Capacity
SB-20	200 Kg/h
SB-40	400 Kg/h
SB-60	600 Kg/h

Working pressure: 7 kg/cm²g (=100 Psig) F & A 100° C

Other Range of Products

- STEAM BOILERS (NON-IBR) ● THERMIC FLUID HEATERS ● DRYERS ● AIR HEATERS
- COAL /WOOD/ HUSK FIRED BOILERS (IBR) ● WASTE HEAT BOILERS ● HOT WATER BOILERS

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