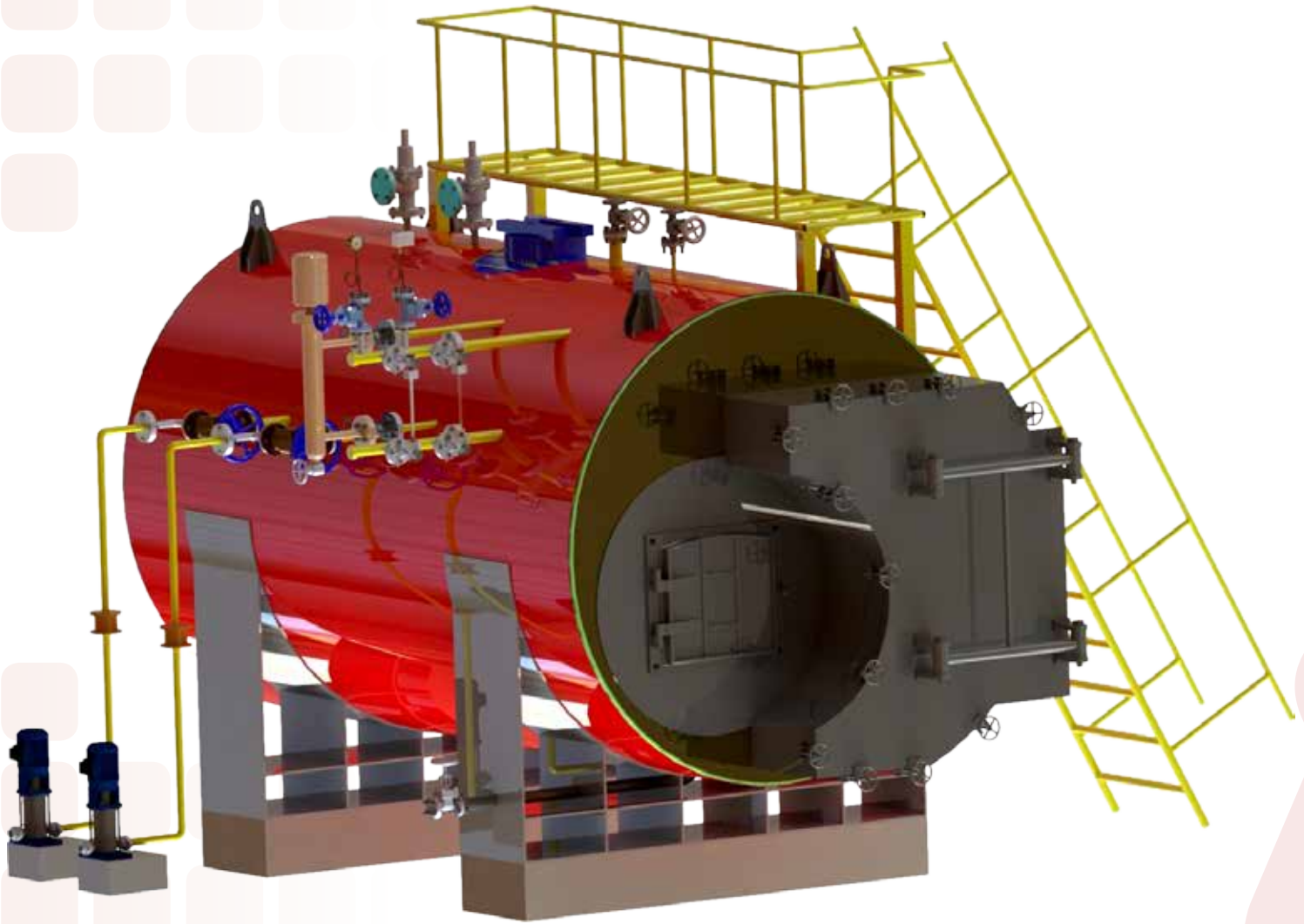
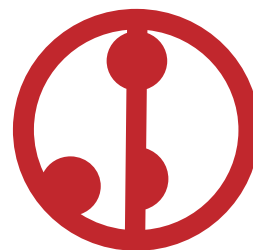


SOLID FLAME



“SHANTI” ENERGY EFFICIENT SYSTEMS



SHANTI
BOILERS
Heating solutions

ABOUT US

Over three decades **Shanti Boilers & Pressure Vessels P Ltd** is one of the reputed names in the field of Boilers and heating systems. We are the first to manufacture boilers from the state of Andhra Pradesh. Our Management comprises of technically qualified people both at management levels and at the staff level. Our Business mission is to provide maximum efficiency and sustainable solutions in energy through our products.

Drawing on decades of experience in the process industry we customize integrated solutions for project requirements for a wide range of industries such as Drugs, Pharma, Chemicals, Plywood, Rice Mills, Paper, Dairy, Food Processing and many more areas where process activity is undertaken.

SOLID FLAME

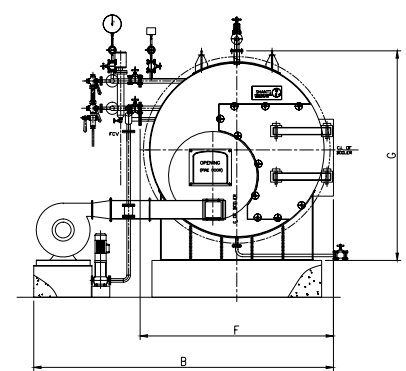
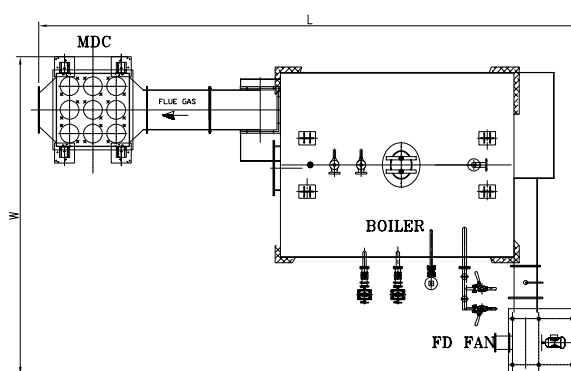
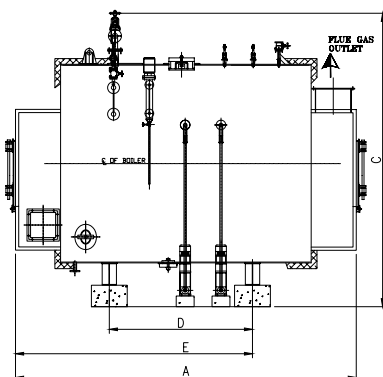
Solid Flame is specially designed for Solid Fuels like Coal / Wood / Bio Mass Briquette , Coconut shells etc... Realizing the need of high performance, high efficiency boilers, Shanti Boilers, with it's experience of more than 3 decades in design, manufacturer and installation of Boilers, it is offering optimally efficient Solid Fuel Fired Boiler . It gives the flexibility of using multi fuels like Coal/ Wood other larger sized fuels .

This system is designed by Shanti Boilers to combine the best technologies from the "old school" of Solid Fuel combustions and the latest advanced combustion control technologies. The stationary Grate Manual Fired (Travelling Grate on Request) Steam Boiler provides a very low turn-down rate making it particularly suitable for heating applications in Small Process Steam Requirements of Small & Medium Scale Industries.

Boilers design enables these systems to provide the most reliable operation utilizing a consistent single "grade" of low sulfur bituminous coal or Biomass fuels like Wood Coconut Shells etc..., The boiler vessel is a three-pass fire tube design incorporating a wet back turnaround for better heat transfer and higher optimal efficiency.

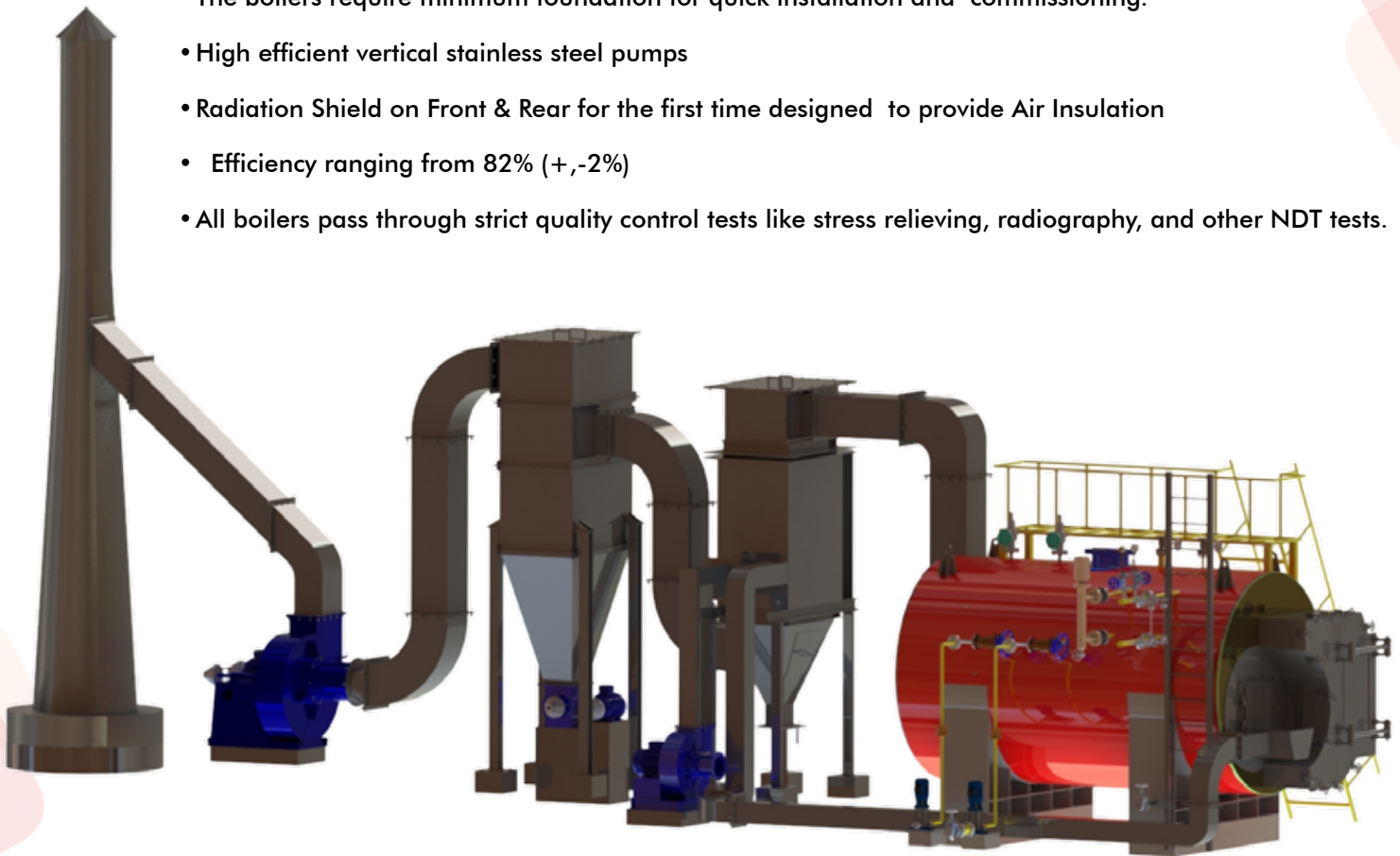
TECHNICAL SPECIFICATIONS OF 'SOLID FLAME'

DESCRIPTION	UNIT	SBH-SF-100	SBH-SF-150	SBH-SF-200	SBH-SF-300	SBH-SF-400	SBH-SF-500	SBH-SF-600
Capacity (F&A 100	kg/hr	1000	1500	2000	3000	4000	5000	6000
Design pressures Offered	kg/cm ²	10.54/17.5/21						
Efficiency	%	80 (As per BS 845 Part 1 NCV Basis)						
Fuel		COAL/ WOOD WASTE / BRIQUETTE / ANY OTHER ON REQUEST						
Fuel Firing Systems		Automatic (with manual Independent Fuel Feeding System)						
Fuel Consumption@ 4500NCV	kg/hr	185-195	280-290	3360-375	560-570	735-745	920-930	1100-1120
Connected Electrical Load								
Standard Unit (Without PCE)	HP	8	15.5	20.5	26	36	47.5	55
with MDC / TCDC	HP	9	16.5	21.5	27	37	48.5	56
Unit Assembly (AxBxCxD)	m	4x3x2.7x1.8	4.5x3.5x3.3x2	4.6x3.97x3.2x2	4.8x4.3x3.6x2.1	4.8x4.5x4x2.1	5.8x5.2x4.6x3	5.8x5.5x5x3
Transport (ExFxG)	m	2.85x2.15x2.35	3.35x2.42x2.62	3.5x2.42x2.62	3.5x2.8x3	4x3x3.2x	4.48x3.7x3.9	4.5x4x4
Layout (LxW)	m	6x3.5	6.66x4.2	6.8x4.5	7.1x4.5	7.2x4.5	8x4.2	8x4.5
Chimney Top Diameter	mm	400	450	500	600	700	850	900
Dry Weight (10.54)	Ton	5.5	7	10.5	14	16	22	25
Flooded Weight (10.54)	Ton	7	12.5	18	24	28	30	35



SALIENT FEATURES OF SOLID FLAME BOILERS

- Optimally designed for coal firing /briquette/wood waste
- Construction as per latest IBR or any other standard code of construction like ASME, BS, DIN etc.,
- Optimum steam space, furnace volume & well designed Grate area & bars.
- Its fully wet back design reduces the heat loss due to Radiation resulting in better efficiency.
- The inbuilt grate bars are specifically designed for type of fuel: Coal/Briquette/Wood waste. "Shanti" also has specially designed grate bars for pulverised & imported coal.
- Optimum steam space with unique steam separator resulting in dry steam.
 - The boilers require minimum foundation for quick installation and commissioning.
 - High efficient vertical stainless steel pumps
 - Radiation Shield on Front & Rear for the first time designed to provide Air Insulation
 - Efficiency ranging from 82% (+,-2%)
 - All boilers pass through strict quality control tests like stress relieving, radiography, and other NDT tests.

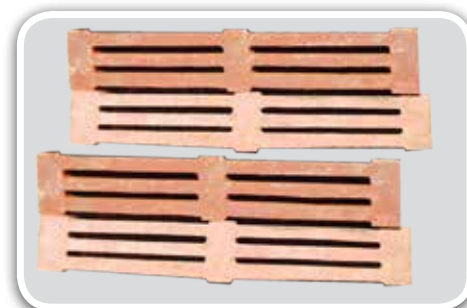


SERVICE

All this backed by prompt and efficient pre and after sales service and manned by experienced and specially trained Engineers.



RADIATION SHIELD



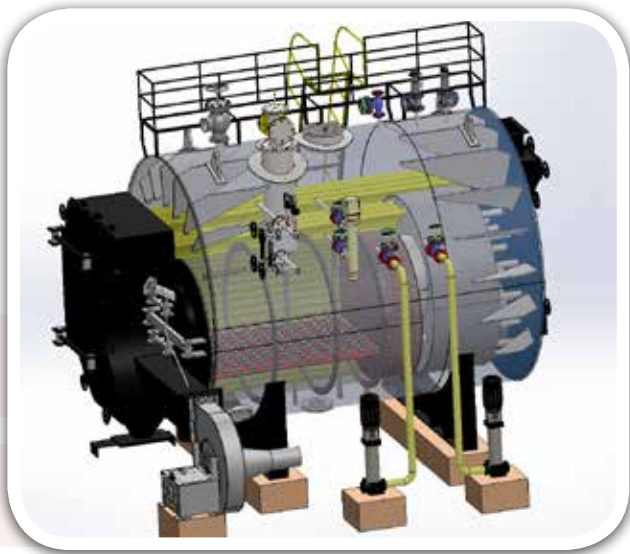
STURDY 'TRIPLEX' FIRE BARS



ENERGY EFFICIENT BOILER FEED PUMP

OUR PRODUCTS

- INDUSTRIAL BOILERS (Coal / Husk / Oil / Gas / Agro Fuels Fired)
- FLUIDIZED BED BOILERS (Coal / Husk / Agro Fuels)
- THERMIC FLUID HEATER (Coal / Husk / Oil / Gas / Agro Fuels Fired)
- SMALL INDUSTRIAL BOILERS
- CO-GEN PLANTS
- POLLUTION CONTROL EQUIPMENTS (BAG FILTER /DUST COLLECTOR / WET SCRUBBER)
- INDUSTRIAL BLOWERS (ID & FD FANS , PA FANS)
- INDUSTRIAL BURNERS & BURNER SPARES
- PRESSURE VESSELS (AS ASME & IBR CODES)
- HEAVY FABRICATION OF BALANCE OF PLANT
- BOILER ERECTION & STEAM PIPING



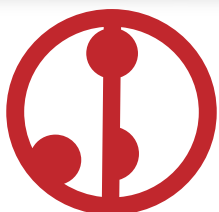
OFFICE / CHANNEL PARTNER

IN INDIA

VIJAYAWADA, VIZAG, BHUVANESHWAR, KOLKATA, BANGALORE, MANGALORE, COCHIN, KANNUR, NASIK, MUMBAI

ABROAD

DHAKA, SRILANKA, MYANMAR, KENYA, GHANA, NIGERIA, DUBAI



SHANTI BOILERS & PRESSURE VESSELS P LTD



Concept, Design, Print

09246276786

Factory & Office: P-10-10, Road No. 5, IDA Nacharam, Hyderabad - 500076 Telengana, India
Phone: +91 40 27152164, 27174042 mail: sales@shantiboilers.com web-site: www.shantiboilers.com