

MULTIFLAME



"SHANTI" ENERGY EFFICIENT SYSTEMS

AUTO/MANUAL FEEDING

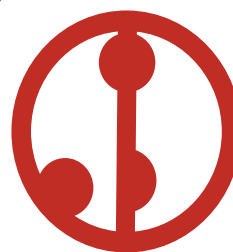
MULTI FUEL COMPATIBLE

ERGONOMIC DESIGN

ENERGY EFFICIENT

3 YEAR WARRANTY*

MONEY SAVER



SHANTI
BOILERS
Heating solutions



ABOUT US

Shanti Boilers & Pressure Vessels Pvt. Ltd., is one of the leading name in the of Boilers and heating systems for over three decades. We are the first to manufacture boilers from the state of Telangana & Andhra Pradesh. Our Management comprises of technically qualified people both at management levels and at the technical support level. Our Business mission is to provided maximum efficiency and sustainable solutions through products and Services.

With decades of experience in the process industry, we customize integrated solutions for project requirement processing.

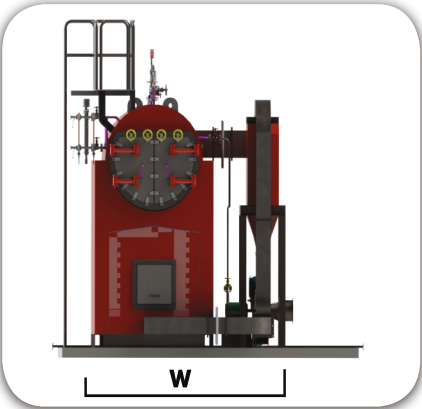
SHANTI MULTIFLAME

"SHANTI" Introduces yet another revolutionary product **"MULTIFLAME"** Considering the demand for Quick, Timely execution of works at site. The Product is a hybrid design of Radiant water walled combustion chamber and Fire tube Shell Assembly Multiflame is total skid Mounted Assembly with high Overall efficiency.

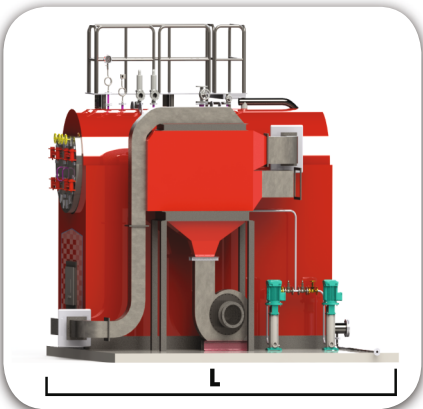
All boilers are pre-assembled , tested at our works before dispatch. Our products are designed to minimise radiation & convection losses and provide maximum combustion and thermal efficiency.

Multi Flame is supplied Pre-Insulated and has added advantage of Manual & Mechanical feeding system.

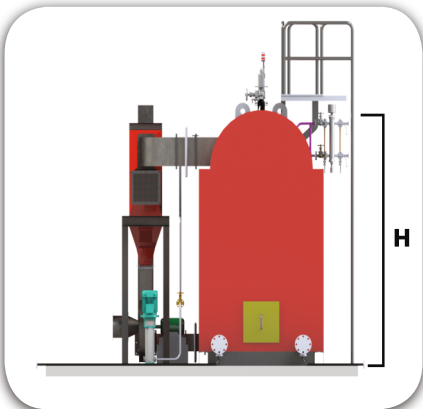
TECHNICAL SPECIFICATIONS OF MULTIFLAME							
DESCRIPTION	UNIT	SBH-MF-150	SBH-MF-200	SBH-MF-300	SBH-MF400	SBH MF 500	SBH-MF-600
Capacity (F&A100)	kg/hr	1500	2000	3000	4000	5000	6000
Design pressure	kg cm^2g	10.54/17.5/21					
Efficiency(Coal)	%	84 ± 2% (As per BS 845 Part 1 NCV Basis)					
Fuel		AGRO WASTE / COAL / WOOD / BRIQUETTE / PETCOKE / HUSK					
Fuel Firing System		Automatic (with Independent Fuel Feeding System)					
Fuel Consumption (Coal)	kg/hr	265-275	350-360	530-540	710-720	885-895	1060-1070
Connected Electrical Load							
Standard Unit (Without PCE)	HP	13.5	16.0	26.0	34.0	44.5	55.0
with MDC / TCDC	HP	14.0	16.5	27.0	35.0	45.0	56.0
Dimensions & Weight							
Unit Assembly (LxWxH)	m	4.5x3.8x4.0	4.5x3.8x4.85	5.0x4.3x5.0	5.4x4.5x5.4	5.5x4.8x5.6	5.7x5.0x6.0
Chimney Top Diameter	mm	450	500	600	700	750	800
Dry Weight (10.54)	Ton	8.9	10.2	12.25	20.0	24.0	27.0
Dry Weight (10.54/17.5)	Ton	3/3.5	6/7	9/11	12/14	15/17	18/20



FRONT VIEW



SIDE VIEW



REAR VIEW

SALIENT FEATURES OF MULTIFLAME

"SAVES COST/KG OF STEAM GENERATED"

1. Pre- Insulated Boiler and Total unit mounted on common base frame
2. Packaged along with efficient 2 pass heat recovery unit.
3. Multi Fuel Feeding Option
4. Better response and quick generation of steam.
5. Easy option of conversion from Manual to Mechanical with less downtime for change over .
6. Ergonomic design.
7. Better access results in easy maintenance.

MULTIFLAME

As the name suggests SHANTI MULTIFLAME have option of feeding various types of fuels manually and Mechanically. Depending on application Multiflame series is offered along with different Grates and feeding system.

I. MULTIFLAME (S):

Multiflame (S) stationery grate has triplex type SG Cast Grate bars for trouble free operation. The grate bars are sturdy by with reliable life span. The CI Bars are rigid in construction and supported by Side Longitudinal Bars. The Assembly is easy to maintain and offers option to feed COAL/WOOD WASTE / BRIQUETTES as fuel. The Ash generated after combustion is collected from a Ash Door fitted in the front bottom of the Boiler. There is also provision for access from the rear end of the Boiler for Maintenance. The Unit is Insulated and painted with Heat Resistant Surface Coatings for better finish and Aesthetic Value.

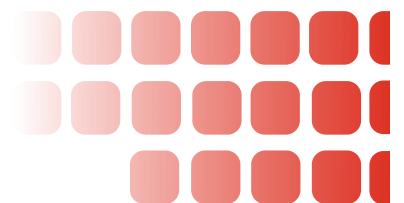


II. MULTIFLAME (A):

Multiflame (A) is a specially designed Boiler fitted with SS Air Nozzles for efficient combustion of Paddy husk, Pet coke ,Pulverized coal, The Bed is fixed and fitted with Air Nozzles to supply uniform and calculated rate of Pre-heated Air for High Combustion Efficiency.

The Nozzles are plug type design thus very easy for maintenance and replacement. MULTIFLAME (A) is balanced draft system Boiler and ergonomic designed offer high Overall Efficiency.

The Unit is with option of Manual Feeding or with a specially designed Pneumatic Feeding system (PFS). The Pneumatic feeding system is a separate system which is compatible with the MULTIFLAME boiler. In PFS the fuel is fed into the Service offer and conveyed pneumatically with SA Fan to the Boiler. The PFS fitted with a special and SS Alloy Diffuser spreads fuel uniformly into the Combustion Chamber. The Ash is removed from the MDC and Ash Collecting zone in the Boiler.



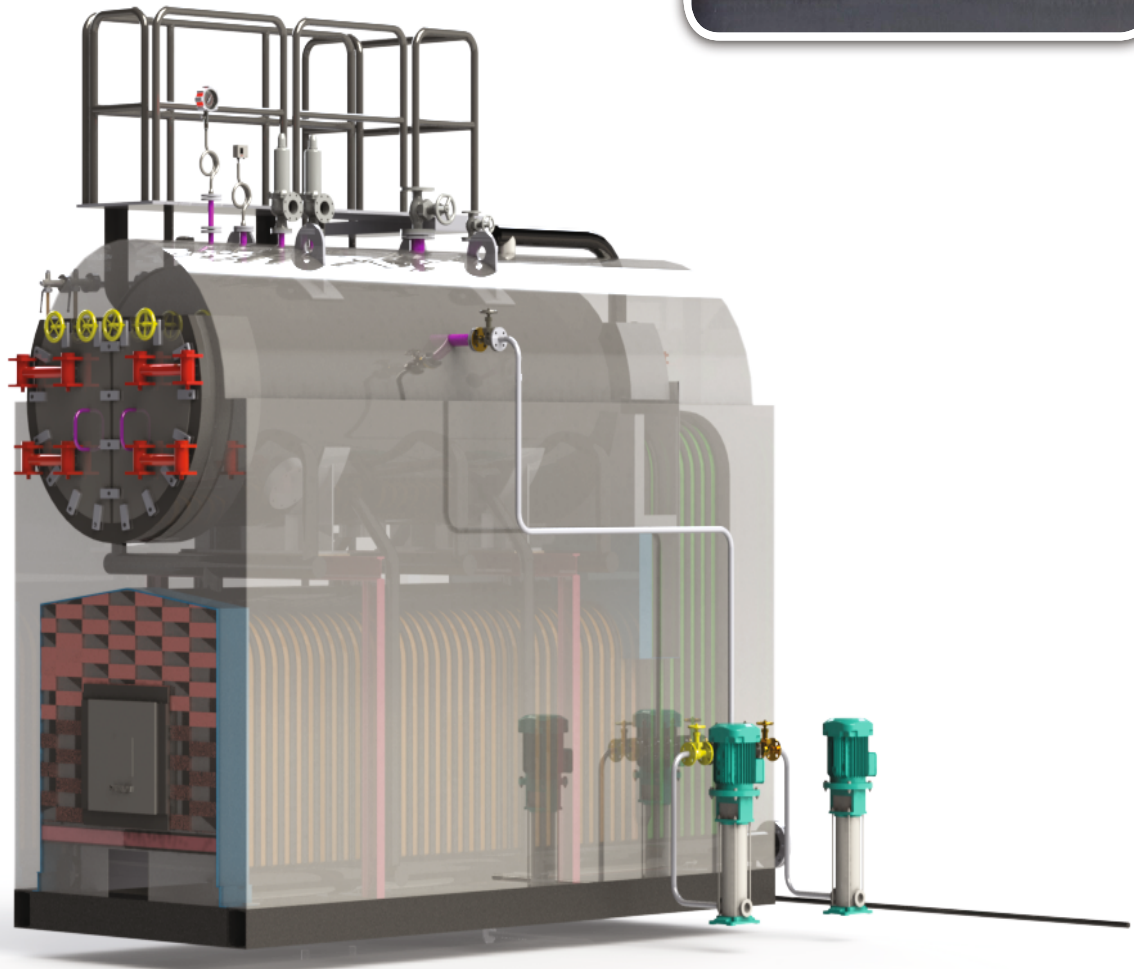
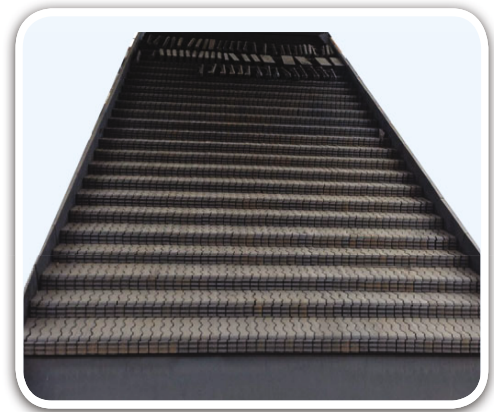
III. MULTIFLAME (C): ●●●●●●

Multiflame (C) Chain grate Model is supplied along with chain grate Assembly with variable speed drive for Mechanical and Total Automatic Feeding System. The Chain and Links are interconnected with each other and is designed specifically for SHANTI MULTIFLAME (C) Boiler to offer controlled Mechanical Feeding and high Combustion Efficiency. It has a special design control panel & Mimic screen which shows the control feeding system operation along with Boiler operating Parameters (Pressure, Temperature). The Fuel is fed into the Service Hopper fitted in from of the Combuster. The Chain Grate is driven by a Motor interconnected with Electronic Variable speed Drives (mounted on the Control Panel). The Chain Grate is suitable for feeding AGRO-WASTE like Corn kernels, Wood waste and other briquetted Agro Fuels and Coal.



IV. MULTIFLAME (RE): ●●●●●●

Multiflame (RE) reciprocating grate system is specially designed for typical agro fuels and is supplied as a packaged unit which is fixed below the Boiler. It has fuel feeding service hopper and drive assembly for efficient grate movement and better combustion.

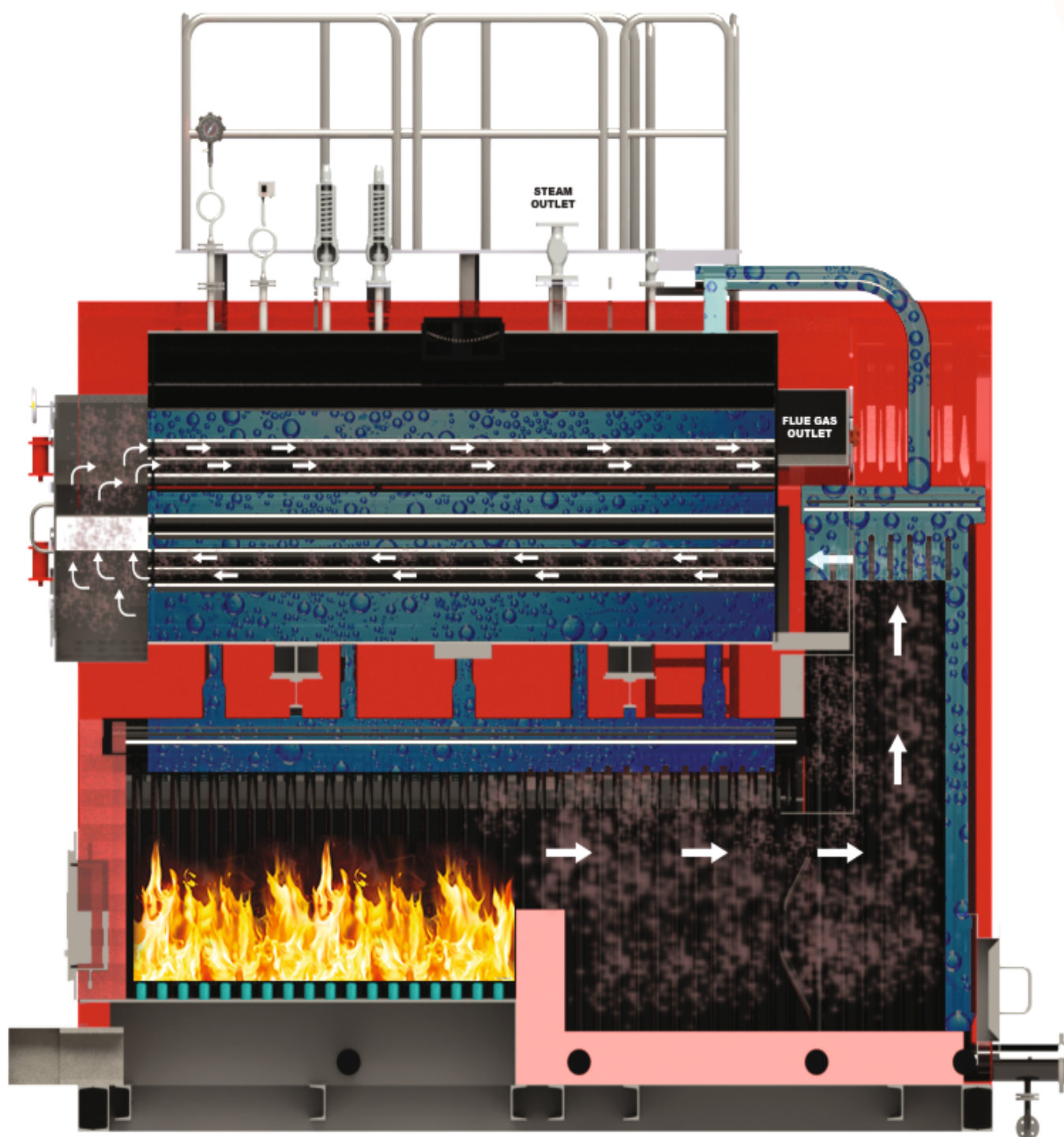
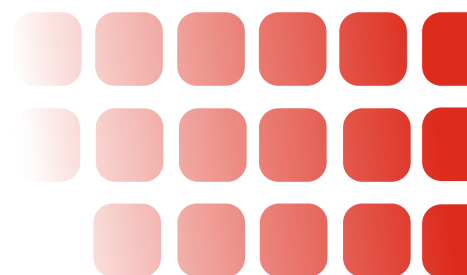


SERVICE

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

SECTIONAL ELEVATION OF MULTIFLAME

- MULTIFUEL COMPATIBLE MODEL
- FIVE PASS HI BRID DESIGN
- HIGH COMBUSTION EFFICIENCY
- SKID MOUNTED (PLUG & PLAY)
- 3 YEAR WARRANTY*





GENERAL ARRANGEMENT OF MULTIFLAME

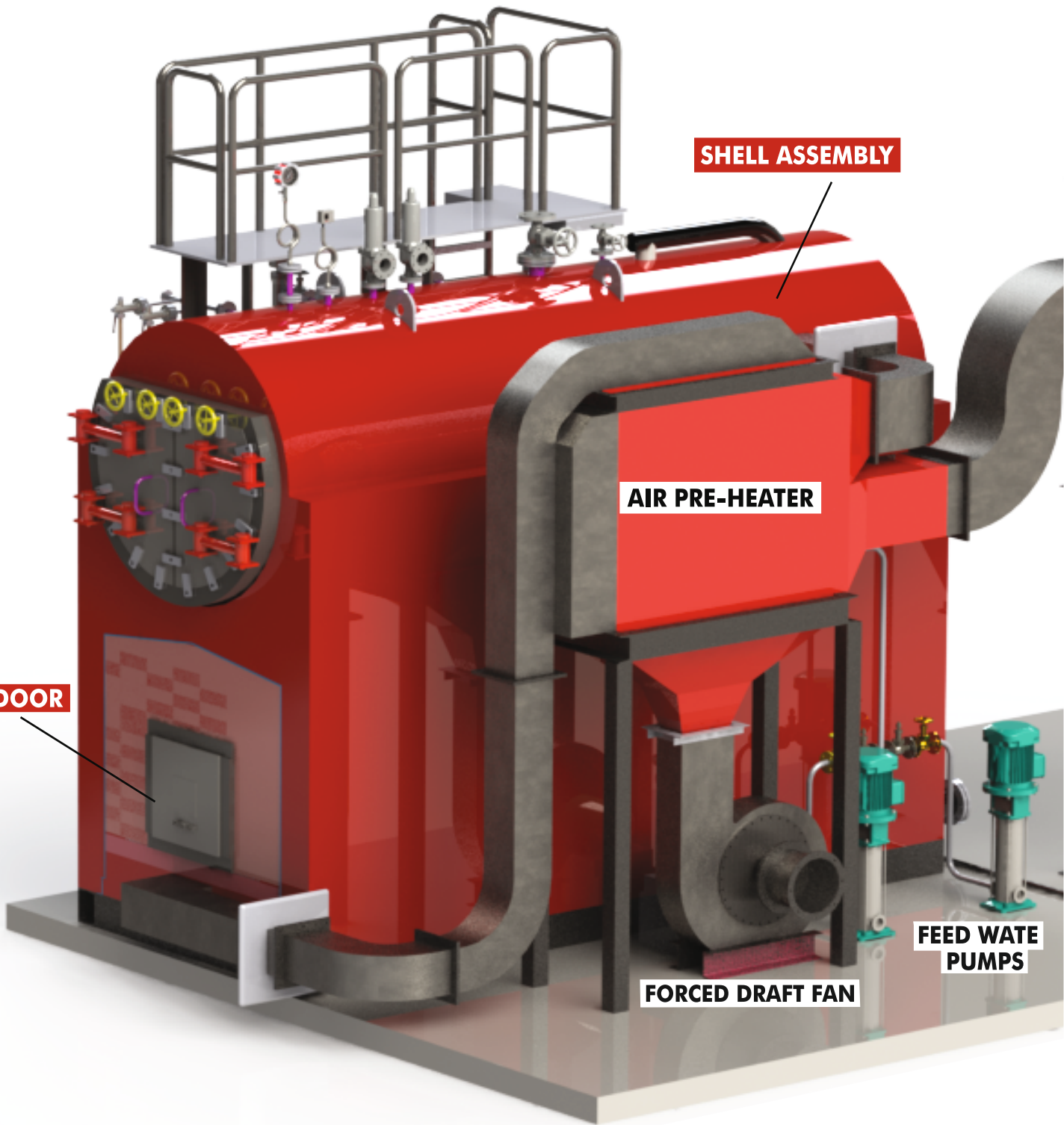
SHELL ASSEMBLY

AIR PRE-HEATER

FIRE DOOR

FEED WATE
PUMPS

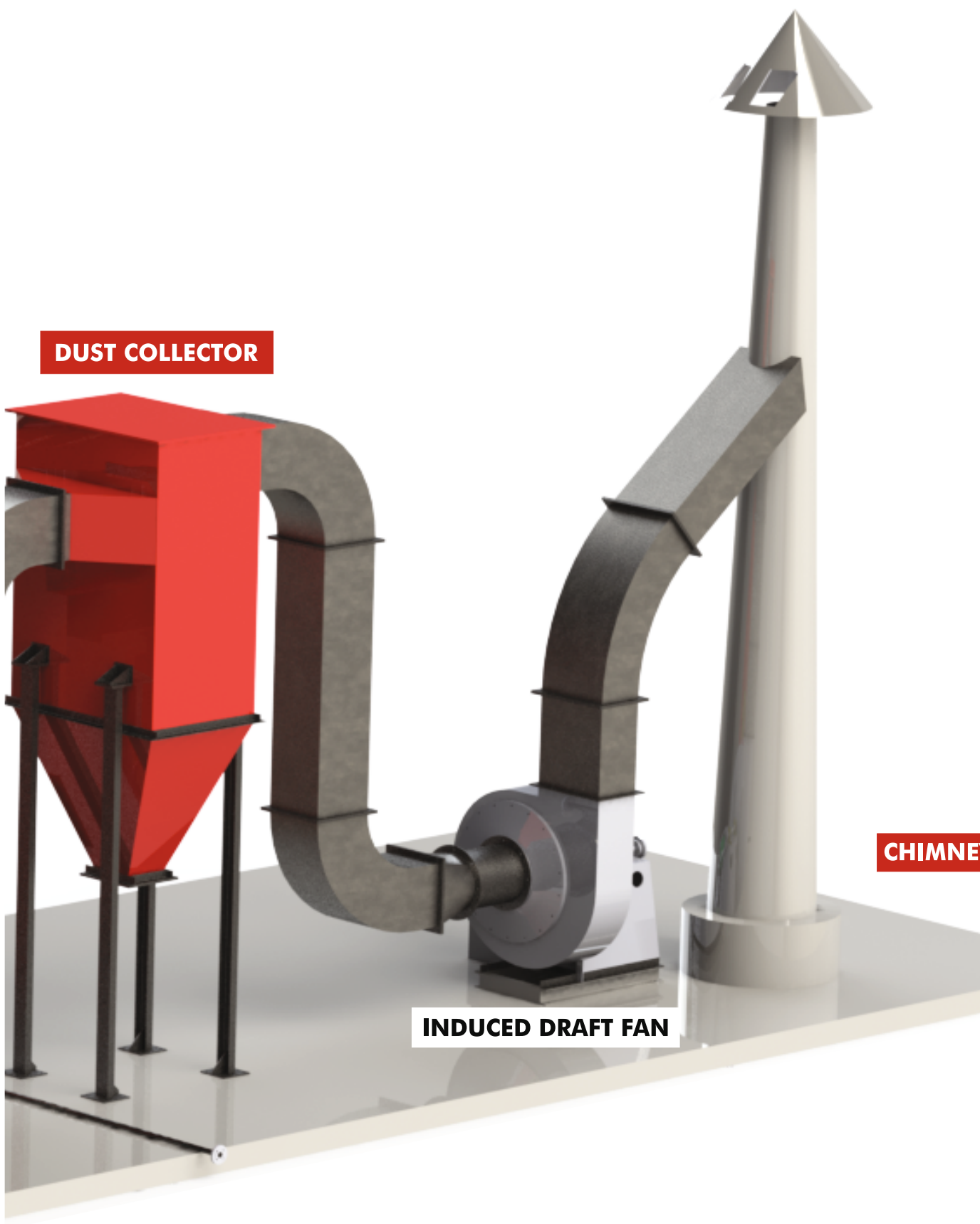
FORCED DRAFT FAN



DUST COLLECTOR

CHIMNEY

INDUCED DRAFT FAN



OUR PRODUCTS

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



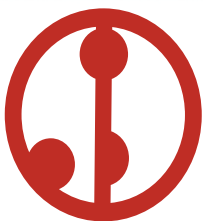
OFFICE / CHANNEL PARTNER

● ● ● ● ● IN INDIA ● ● ● ● ●

VIJAYAWADA, VIZAG, BHUBANESWAR, KOLKATTA, BANGALURU, MANGALORE, COCHIN, KANNUR, NASIK, MUMBAI

● ● ● ● ● ABROAD ● ● ● ● ●

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



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All accessories shown do not form part of standard supply. In view of our endeavour to improve the quality for our products, the Company reserves the right to alter or change specifications without prior notice.