

المدد ياغوث الاعظم راس الاداره

NOOR BOILER

A Thermal Engineering Company



**MANUFACTURER OF
INDUSTRIAL STEAM BOILER**

www.noorboiler.com

About Us

With a unique reputation for product quality, performance and services, Noor Boiler is a renowned Boiler Manufacturer in India. With an experience of more than 3 decades in Boiler designing and manufacturing, We are one of the top reliable supplier in India.

Company flagged off its journey in the year 1983 by vision of late Mr. Mumtaz M Ansari. Assisted by a team of experienced engineer, we have delivered lot of Quality products & created many satisfied clientele. We have acquired confidence of clients, & brought experienced technocrats on its Board. It is embarking to convert its constitution to a Private Limited firm.

We have continued to invest regularly in our infrastructure and Techno - up gradation to provide full value for money. We deliver our quality products both in the domestic and international market.

Primarily, Noor Boiler is engaged in following manufacturing activities.

- IBR & NON-IBR Steam Boilers.
- Thermic Fluid Heaters.
- Hot water Generators.
- S.S. Reactors, both SS 304 & SS 316.
- Vessels, both SS and MS.



Non IBR Steam Boiler

We are well-known manufacturer of **Non IBR Boiler**. We offer fuel and energy efficient boiler. Our Boiler delivers high steam output, which is characterized by high steam pressure and temperature. These compact sized devices are available with us in various technical specification, range and models. Our devices are acclaimed for their high productivity and reliability. we also offer these devices at affordable rates.

Special Features:

- Revolutionary design with capacity of 1000 kg/hr
- High thermal efficiency of 93% on NCV of fuel
- Instant steam within 3 to 5 minutes from cold start
- Fully automatic in operation so no running attention required
- Outside the purview of Indian Boiler Regulations (IBR), so no annual IBR Inspection formalities required & certified boiler attendant is not required to operate the boiler
- Large furnace volume, high radiant heat transfer area & high convective heat transfer area ensuring long life of boiler
- Pre heating of combustion air is an integral part of the boiler ensuring smooth & complete combustion
- Feed water pre heater is supplied as a heat recovery unit which recovers maximum possible waste heat from outgoing flue gas increasing the overall efficiency of the boiler
- Reliable & robust components giving smooth & trouble free operation
- Easy access to all parts requiring maintenance
- Space saving, compact design
- Powder coated, well lit control panel with systematic wiring layout with tag nos. etc. for easy trouble shooting as well as better life in industrial environment
- Completely packaged unit with all



mountings & accessories fitted along with the unit, so site work is minimized & plug & play concept is applicable

- Prompt & reliable after sale services with “customer first” attitude

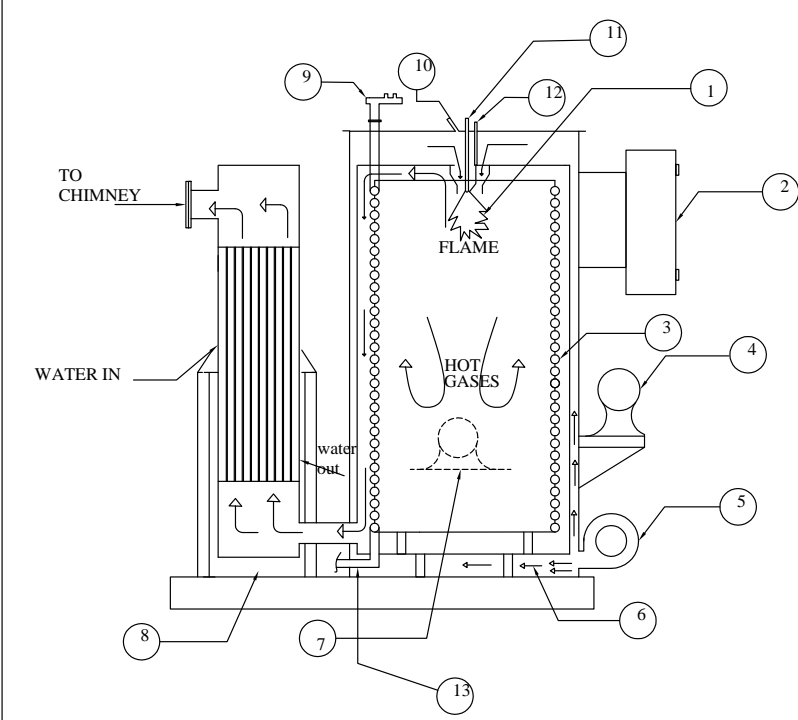
Specifications:

- **Capacities:** 100 kg/hr to 1000 kg/hr
- **Pressure:** 10.54 / 15 / 17.5 / 21 kg/cm² g
- **Steam dryness fraction:** 0.9 (without moisture separator)
- **Fuel suitability:** Light Oil, Light Diesel Oil, Diesel, Heavy Oil, Furnace Oil, LPG, Natural Gas, Biodiesel, Biogas, Palm Oil Residue
- **Burner:** Own make, pressure jet type, ON – OFF / Modulating, fully automatic
- **Efficiency:** Overall efficiency of 93% on NCV of fuel with Heat Recovery Unit

Applications:

Our Non IBR boiler has applications in various types of industries like chemical, pharmaceuticals, food processing, laundry, hotels, hospitals, dairy, edible oil, textile etc. where steam requirement is less & instant steam is required in minimum possible time from cold start for a start – stop (batch) operation for indirect & direct process heating purpose.

NOOR BOILER
PLOT NO 1002/1/C,G.I.D.C,VAPI.



- 1. Flame
- 2. Automatic panel
- 3. Coil
- 4. Fuel pump
- 5. Blower
- 6. Cold air in
- 7. water pump
- 8. Economiser
- 9. steam header
- 10. photocell pipe
- 11. Nozzel pipe
- 12. ignition electrode
- 13. Blow down

Technical Specification

Details	Unit	NB-02	NB-04	NB-05	NB-06	NB-08	NB-10
OPERATING PARAMETERS							
Steam output F & A 100oC.	Kgs/hr	200	400	500	600	800	1000
Steam pressure	Kgs/cm2	10.54	10.54	10.54	10.54	10.54	10.54
Fuel Oil	Kgs/hr	14	24	30	36	48	60
Consumption LDO FO	Kgs/hr	15.1	25.4	31.8	38.1	50.8	63.6
Efficiency (NCV)	%	↔	90 + 2	↔			
Start up	Minutes	3	3	5	5	5	5
Burner control		↔		ON/OFF	↔		
Pressure parts	OUTSIDE THE PURVIEW OF INDIAN BOILER REGULATIONS						
Electric Supply	AC - 3 - PHASE : 415 V - 6% ; 50 Hz = 3%; 4 wire						
Feed water pump water	HP	1	1	1	1	1	1.5
Blower	HP	1	1	1.5	2	3	5
Fuel Pump Motor	HP	0.5	0.5	0.5	0.5	0.5	0.5
Flue Gas outlet	mm	200	200	200	250	300	300
Dry Weight (approx.)	Kgs	1300	1400	1600	1700	1800	1950



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