

# PROCESS HEATING SYSTEM



## VEPOMAX

**3 Pass, Revers Flame Coil type Non-IBR Steam Boiler**

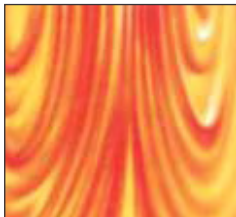
**Capacity Range**  
100 Kg/hr TO 850 Kg/hr

**Standard Design Pressure**  
10.54 & 17.5 kg/cm<sup>2</sup>

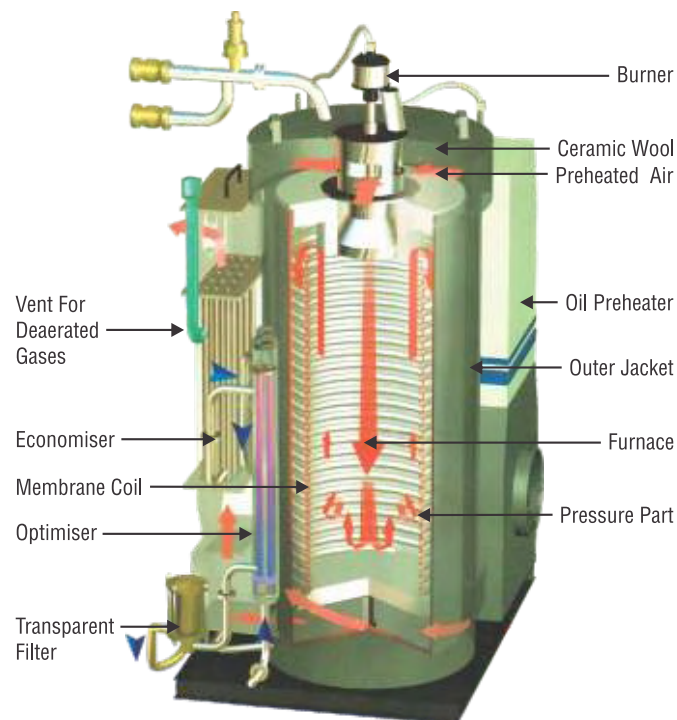
## Engineered for consistent performance

Vepomax is a 3 pass, once through, forced circulation design compact N-IBR plug & play unit. With multi-fuel firing options (one at a time) viz. FO, LDO, HSD, NG and LPG, it is the most efficient instant steam generator in its class, preferred by process industries and the hospitality segment for decades.

## Unique design features



- **Reverse Flame Technology**
  - Provides ample residence time
  - Ensures complete combustion
  - Maintains consistent high thermal efficiency
- **Unique Membrane Coil Design**
  - Uniform heat transfer leading to enhanced coil life
- **Economiser-Optimiser Combination**
  - Helps oxygen scavenging, reducing pitting corrosion
  - Ensures reduction in heat loss
- **Cyclonic Steam Separator**
  - Assures steam dryness up to 92%



## Technical specifications

Description	Unit	VXA 02	VXA 03	VXA 04	VXA 05	VXA 06	VXD 04	VXD 06	VXD 850	
Capacity (F&A 100°C)	kg / hr	200	300	400	500	600	400	600	850	
Design Pressure (SVLOP)	kg / cm <sup>2</sup> g	10.54 / 17.5								
Efficiency		As Per BS 845 Part 1 NCV Basis								
Oil / Gas	%	88 / 87.5								
Fuel		HSD / LDO / NG / LPG					FO / NG / LPG			
Fuel Firing System		Pressure Jet - Reverse Flue, Dual Bloc								
<b>Fuel Consumption</b>										
HSD	kg / hr	11.69	17.53	23.38	29.22	35.06	23.38	35.06	49.68	
LDO	kg / hr	12.03	18.05	24.06	30.08	36.10	24.06	36.10	51.14	
FO	kg / hr			NA			25.44	38.15	54.05	
NG	Nm <sup>3</sup> / hr	14.52	21.78	29.04	36.30	43.56	29.04	43.56	61.71	
LPG	Nm <sup>3</sup> / hr	4.95	7.42	9.90	12.37	14.85	9.90	14.85	21.03	
<b>Connected Electrical Load</b>										
Light Oil	kW	1.80	2.17	2.17	2.75	2.75	2.17	3.12	3.87	
Gas	kW	1.80	1.80	1.80	2.75	2.75	1.80	2.75	3.50	
Light Oil / Gas	kW	2.17	2.17	2.17	3.12	3.12	2.17	3.12	3.87	
Heavy Oil / Gas	kW			NA			5.17	6.12	6.87	
<b>Dimensions &amp; Weight</b>					Without Separator					
Length	mm	1300	1500	1500	1500	1500	1170	1350	1770	
Width	mm	1080	1280	1280	1400	1400	1480	1350	1420	
Height	mm	1610	2150	2150	2340	2340	2550	2340	2890	
Chimney Top Diameter	mm	180	225	250	275	300	250	300	350	
Dry Weight	kg	950	1100	1100	1000	1000	1100	1000	1100	

Note: Efficiency is calculated based on NCV of Diesel as 10500 kcal/kg, LPG as 24940 kcal/Nm<sup>3</sup> and Natural Gas as 8500 kcal/Nm<sup>3</sup>. Above mentioned weight and dimensions may vary with actuals. Please refer to offer document for more details.



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Note : In view our constant endeavors to improve of our products, we reserve the right to alter or change specification without prior notice