

**BRAND INDIA ENGINEERING  
E-CATALOGUE**

Date: 18-01-2025

# **ASCENT MACHINERIES & ENGG SERVICES**

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Ascent Machineries & Engg. Services, came into being in the year of 1996 as a manufacturer, exporter and supplier of an impeccable range of Industrial Boilers, Electrical & Oil Gas fired, Pressure Vessels And Storage Tanks. Along with this, we offer Re-boiler, Thermic Fluid Heater, Hot Air Generator, Pressure Vessels, Storage Tanks and many more. Being quality foremost concern, we stringently follow strategically developed quality program during production process. We design all our products with advent technology keeping in mind established quality parameters. With our product range, we have been able to meet variegated demands of Oil & Gas, chemical, pharmaceutical, dairy, textile, food & beverages, brewing, dyeing and hospitality industries. Our professionals are qualified and experienced enough to develop products addressing market demands. They meticulously develop products using advent technology and machinery installed at our sound production unit. Furthermore, we follow ethically formulated business policies during dealing procedures to ensure transparency. Owing to our business practice, We have been able to meet expectations of significant clients such as KNPC - Kuwait, National Cables (Sharjah, U.A.E.), Anchor Allied (Sharjah, U.A.E.), Alfa Biotech (Uganda) Mopani Copper Mines Zambia, Bashir Dost Lub Oil Refinery and so on in all over the world.

## BRAND INDIA ENGINEERING E-CATALOGUE

### Products Description

#### Electrical Steam Boilers

Technical Details

Electrical operated Steam Boiler. Fully automatic, compact, IBR approved, PLC based operating system with data out puts & records. pressure up to 21 BAR & capacity as required. Small size also available.

ITC HS Codes

840219

Certification/ Standard

IEC

Issuing Agency

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Date of Issue

04-06-2007

Date of Expiry

End Use Sectors

Product Images



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**Electrical Thermic Fluid Heater**

Technical Details

Electrical Oil heating system with high temp up to 300 deg C. Operating pressure 4 BAR. Fully automatic, with PID, PLC based controllers. Touch Operating system. Air cooled pump for high temp. All safety is incorporated with Data recording. No pollution no chimney no oil tank required. Clean operation & reliable performance. Size available from 12 KW to 1200 KW

ITC HS Codes

980100

Certification/ Standard

IEC

Issuing Agency

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Date of Issue

04-06-2007

Date of Expiry

04-06-2027

End Use Sectors

Process Industries, Chemical, Pharma, Dyes, Textile, Oil & Gas

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Product Images



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**ASCENT**

**ASCENT MACHINERIES & ENGG. SERVICES**

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**ASCENT ELECTRICAL THERMAL FLUID HEATER (THH)**

**CONSTRUCTION & FEATURES:**

- It is designed on the principle of fluid circulation by means of natural convection.
- Fully Automatic Operation save on electric cost.
- Highly Compact & space saving design.
- High Thermal Efficiency 97%.
- Suitable for outlet temp. up to 300° C.
- Every part covered with special powder coat for removal without stopping operation.
- Operating Pressure upto 21 BAR.
- Operating Temp. upto 300°C.

**SAFETY FEATURES:**

- High Efficiency 97%
- Low Maintenance cost
- Small Footprint
- Compact & Clean so it can be installed any way

**Technical Details**

Model No.	Unit	AE-T-14	AE-T-18	AE-T-26	AE-T-34	AE-T-54	AE-T-72	AE-T-100	AE-T-144	AE-T-200
Capacity (kg/hr)	100	150	200	250	350	450	600	800	1100	1500
Pressure (bar)	9	13	18	26	34	54	72	100	144	200
Outlet Temp. (°C)	150	150	150	150	150	150	150	150	150	150
Weight (KGS)	1000	1000	1000	1150	1400	1800	2200	2500	2800	3000
Height (mm)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

**Electrode Boiler**

Technical Details

Electrode Boiler are fully automatic, Compact in size. Comes in small & large capacity as per steam required in process with 21 BAR pressure. IBR & NON-IBR options available. No pollution, no chimney.

ITC HS Codes

840410

Certification/ Standard

IEC

Issuing Agency

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End Use Sectors

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**ASCENT ELECTRODE BOILER - IBR & NON-IBR**

**Operation Details**

Electrode Steam Boilers are designed to give a steady supply of Dry steam under fluctuating load. It will start working with additional provision for manual operation and generates steam within a very short time of cold start. Resistance is developed in between Electrodes to generate heat. In case if TDS is insufficient to develop sufficient resistance is deduced then in that case Non scaling additives are to be added. If water is very hard then in that case partial Demineralisation will be required. Steam capacity will be as per water quality.

**SAFETY FEATURES:**  
High Efficiency 99%  
Maintenance free  
Fuel consumption free  
Safety to operators  
Simples to clean & safe  
Other: Heavy duty  
Solid Mounted easy to install  
Compact & Clean so it can be installed in any place




**Technical Details**

Model No.	Evaporation Capacity kg/hr	ASCE/100		ASCE/200		ASCE/300		ASCE/400		ASCE/500		ASCE/600	
		100	200	300	400	500	600	700	800	900	1000		
Electrode Spacing (mm)	25	30	36	42	48	54	60	66	72	78	84	90	96
Electrode Length (mm)	180	180	180	180	180	180	180	180	180	180	180	180	180
Electrode Dia (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40
Height (mm)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Weight (kg)	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400

Sectors of Interest

Process Industries

Is OEM Supplier?

Yes

Is After Sales Service Provider?

Yes

Importance of niche products

Potential market of niche products

Product Supply Record

Patented Technologies

Awards/Accolades