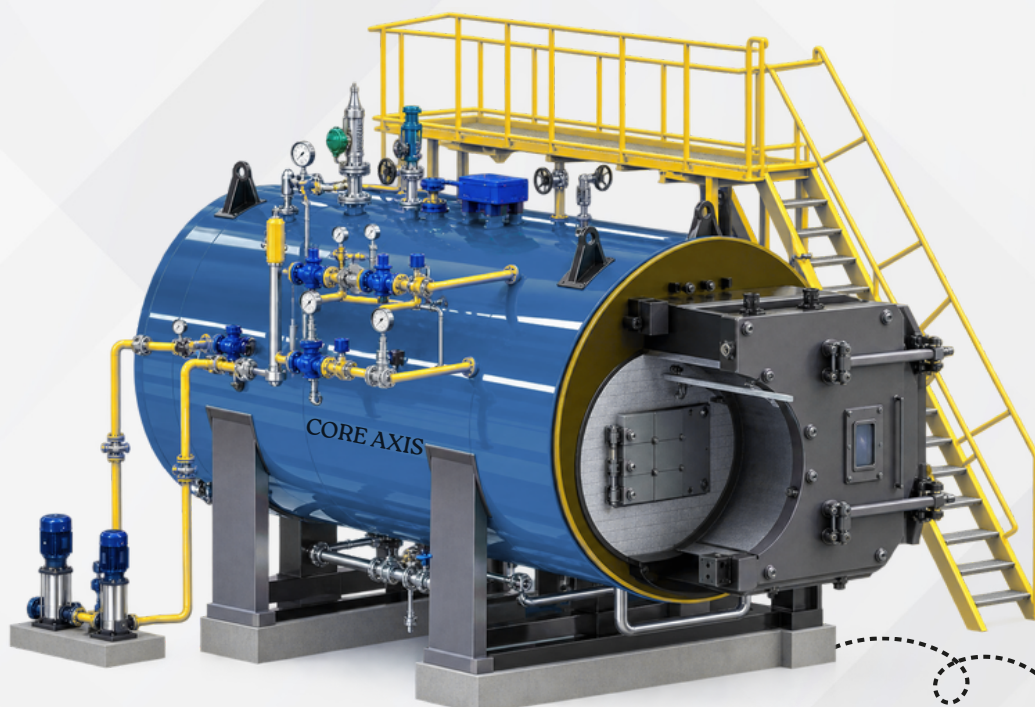




CORE AXIS
GLOBAL SOLUTIONS

a part of **Dehu Group of Companies**



SOLID-FLAME

Capacity – 500 kg/hr to 6 TPH

SOLID-FLAME is specially designed for solid fuels like coal, wood, biomass briquettes, and coconut shells, etc. Realizing the need for high-performance, high-efficiency boilers, Core Axis Boilers, with its experience of more than three decades in the design, manufacture, and installation of boilers, is offering optimally efficient solid fuel-fired boilers. It provides the flexibility of using multiple fuels like coal, wood, and other larger-sized fuels.

This system is designed by **Core Axis** 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 and medium-scale industries.

The boiler's 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 and 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.

“Reliable. Renewable. Worldwide”

www.coreaxisglobal.com



ABOUT US

Core Axis Global Solutions is one of the leading names in the field of Boilers and heating systems for over three decades. We have established a strong manufacturing and sales presence across key regions of India, including Maharashtra, Uttar Pradesh, Andhra Pradesh, Telangana, Tamil Nadu, Rajasthan, and other major industrial locations, enabling us to efficiently serve customers nationwide. Our management comprises technically qualified people both at management levels and at the technical support level. Our business mission is to provide maximum efficiency and sustainable solutions with our products and services.

With decades of experience in the process industry, we customize integrated solutions for project requirements, processing, and many more areas.



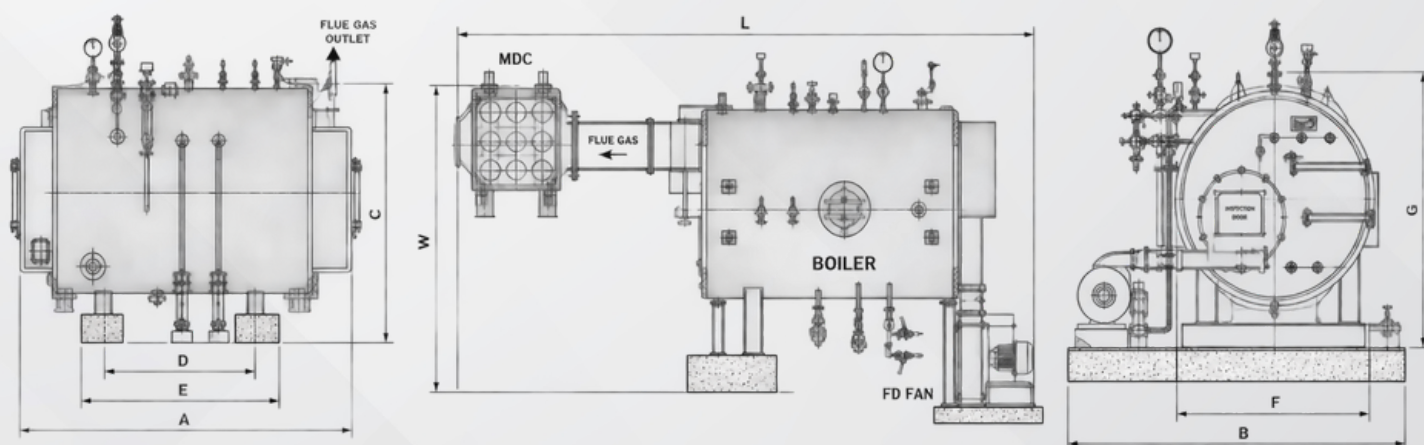
SALIENT FEATURES OF SOLID-FLAME

- Optimized for Coal, Briquette & Wood Waste firing.
- Designed as per IBR, ASME, BS, DIN and other applicable standards.
- Optimized steam space, furnace volume and grate area.
- Wet-back design minimizes radiation heat loss and improves efficiency.
- Specially designed grate bars for different fuel types.
- Optimized steam space with steam separator for dry steam.
- Minimum foundation requirement for quick installation and commissioning.
- High-efficiency vertical stainless-steel pumps.
- Front & rear radiation shields for improved insulation.
- Efficiency of 82% + 2%.
- Strict QC, radiography, stress relieving and NDT testing.



TECHNICAL SPECIFICATION OF 'SOLID-FLAME'

Description	Unit	CAGS-SF-100	CAGS-SF-150	CAGS-SF-200	CAGS-SF-300	CAGS-SF-400	CAGS-SF-500	CAGS-SF-600
Capacity (F&A 100)	kg/hr	500	1000	2000	3000	4000	5000	6000
Design Pressure	kg/cm ²	10.54/17.5/21						
Efficiency (Husk)	%	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	450	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



OUR INFRASTRUCTURE



**AKAYA
ENGINEERING LLP**
(A Joint venture with **Dehu** Group)



**Uttar Pradesh
Manufacturing Unit**

Delhi Office

The Delhi Office, serving as our strategic planning and engineering management hub, is located in Delhi. This facility oversees the execution of all our marketing, design, purchasing, and project management activities.



**Pune Manufacturing
Unit**

In Pune, our facility is equipped to handle the production of pressure parts with a minimum capacity of 5000 MT per year. Additionally, we manage the production of non-pressure parts with value-added equipment, boasting a minimum capacity of 3000 MT per year. Both capacities can be scaled upwards, to meet specific needs.



CORPORATE OFFICE – NEW DELHI

Location - 27 /6, Double Storey

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Email - n.sharma@coreaxisglobal.com

OFFICE – PUNE (West & South Zone)

Location - Gera's Imperium Gateway, C Tower, C-341, Nashik Phata Metro, behind Bhosari, Pune - 411034 Maharashtra State, India.

Name - Mr. Sharankumar M

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Email - marketinghead@coreaxisglobal.com

OFFICE – DURGAPUR (East Zone)

Location - DurgaPur

Name - Mr. Dhananjoy Garai

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Email - D.garai@coreaxisglobal.com



MANUFACTURING UNIT – PUNE

Location - Gat No. 390, Dehu-Alandi Road, Near Talawade IT Park, Pune-411062, Maharashtra, India



UPCOMING MANUFACTURING UNIT – NORTH

Location - Khasra No: 587/2, Jansath Road, Village Sikheda, Muzaffarnagar, Uttar Pradesh



SCAN HERE

