

Boiler Water Treatment



Improve your Savings with Pennar Offerings

Delivering
Performance
Chemicals

25
YEARS

COMPANY PROFILE

Pennar Industries Limited – Enviro Business Unit, earlier Pennar Chemical Limited, entered into Indian market in 1992 and has nurtured to be a pioneer in the field of specialty chemicals for solid / liquid fuel additives and water applications. Enviro business unit offers EPC, Standard Plants, Specialty

Chemicals and O&M solutions for clear and waste-water treatment. With state-of-the-art manufacturing unit at Hyderabad and PAN India presence of sales and service offices along with channel partners caters to all customers across the Indian landscape.

- Research & innovation and world class manufacturing, Dedicated Services, Continue Product Development on core of Pennar's essentials which differentiates us in the marketplace.
- Sustained Differentiation in marketplace leads Pennar to strive for innovation, improving efficiencies, maintaining quality and offering reliability. Pennar has in-house specialty formulations unit with QA/QC support services to meet these demands.
- Pennar is one of the market leaders offering specialty chemical solutions to water treatment systems and fuel efficiency improver requirements at Industrial and Institutional water/fuel-intensive workplace.

MARKETS WE SERVE

- Paper & Pulp
- Steel Mills
- Petrochemicals
- Power Plants
- Refinery
- Chemicals
- Pharma
- Food
- Automobiles
- Tyre Industry
- Institutional Segment
- Hospitality Segment



Pennar Industries Ltd.

Boiler Water Treatment

Obtaining best efficiency in steam and boiler systems, problems foreseen like corrosion, deposition and condensate or boiler water carry-over should be addressed through a well-designed comprehensive chemical treatment program. Pennar Boiler Water Chemical treatment program encompasses specialty formulation suited to varied class and sizes of boiler systems applied to all kinds of water quality. Apt dosing and regular monitoring are key to deriving best efficiencies from boiler water system. Pennar program enhances the asset life and reduces the downtime of asset maximizing utilization as per design.

- 1) Corrosion Inhibitors
 - a) Organic Blends
- 2) Oxygen Scavengers
 - a) Catalyzed Sulfite Based
 - b) Catalyzed Hydrazine Based
 - c) Alternate treatment
- 3) Deposit Controllers
 - a) Phosphate based
 - b) Polymer based
 - c) Blend of Polymer and Phosphate based
- 4) Condensate Treatment Products
- 5) Alkalinity Builder
 - a) Organic
 - b) Inorganic
- 6) Single Drum Treatment for Packaged / Small Boiler Water system
- 7) Boiler Feed water treatment
 - a) Organic
 - b) Inorganic
- 8) Pre-commissioning Boiler Chemicals
- 9) Pre cleaning chemicals
- 10) Passivation Chemicals



Boiler Tubes



Corrosion in Boiler Tubes



Branches

- ▶ **Ahmedabad** - 22, Opp. Dharnidhar Jain Temple, Ravikiran Society, Lavanya Society, Vasani, Ahmedabad, Gujarat-380007
- ▶ **Bangalore** - No-68, 1, 1st floor, IV Main Road, Nehru Nagar, Near Kino Theatre, Seshadripuram, Bangalore-56020
- ▶ **Chennai** - First Floor, Plot No. 1615, Block-J, Door No. 9, 8th Street, Anna Nagar, Chennai-600058
- ▶ **Delhi** - 612, Ansal Chamber -2, Bhikaji Cama Place, New Delhi-110066
- ▶ **Kolkata** - 1502, Rajdanga, Main road, 2nd and 3rd floor D. D. 8, Kolkata-700107
- ▶ **Mumbai** - Tarapur MIDC, Vijay Colony, Vanipada, Boisar, Maharashtra 401501
- ▶ **Pune** - Equatorial forum 1st floor, Wakdevadi, Mumbai-Pune road, Pune-411003

Manufactured & Marketed by:

Pennar Industries Ltd.

(ENVIRO BUSINESS UNIT)

Floor No. -3, DHFLVC Silicon Towers,
Kondapur, Madhapur Road, Hyderabad - 500 084
Ph. +91-40-23117044-45; Fax: +91-40-40 -23117041

E-mail: sales@pennarenviro.com