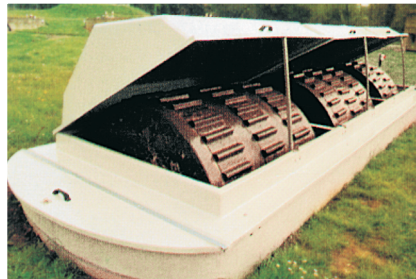


INDION® New Generation Packaged Sewage Treatment Plant (NGPSTP)



INDION NGPSTP is a unique combination of lamella plate clarification and aeration that results in a ready-to-operate, pre-fabricated solution of outstanding performance and efficiency for sewage treatment.

Features

- All-in-one single tank packaged sewage treatment plant
- Modular design: 10 – 100 m³/day
- Compact and simple to operate
- High quality effluent
- Three months sludge storage capacity
- Minimal maintenance
- GRP construction tank – no corrosion

Advantages

- Minimal land usage
- Minimum power and chemical requirement
- Low operating cost

Process

Primary Settlement: Sewage enters the primary settlement tank. The tank incorporates lamella parallel plates which aid in reducing the suspended solids by 75% and the BOD by 25%. This zone is relatively maintenance-free and contains no moving mechanical or electrical devices.

Aerobic Treatment: The effluent then enters the aerator bio-zone which is a combined fixed film reactor and active aeration system mounted on a horizontal shaft. The aerator provides a solid surface area for micro-organisms to attach themselves; these then feed on the organic matter present in the effluent. Rotation of the drums aerates the liquid. The bio-zone is self-cleansing and does not require extraneous pumping or sludge return.

Final Settlement: The treated effluent then moves to the settlement area. This area contains a lamella parallel plate assembly for settling finer particles. The submersible pump removes sludge to the sludge storage compartment on a regular timed basis.

Applications

- Hotels & Restaurants
- Holiday Resorts
- Golf & Country Clubs
- Townships & Housing Complexes
- National Parks
- Industrial Estates
- Existing Plan Upgradation

Technical Data

Model	Flow Rate (litres/day)	Length (m)
NGPSTP 500	11, 500	5.25
NGPSTP 1000	23,000	5.50
NGPSTP 1500	34,500	6.70
NGPSTP 2000	46,000	7.75
NGPSTP 3000	57,500	9.20
NGPSTP 3500	74,750	10.00
NGPSTP 4000	92,000	11.00

2.4 m width and 3.3 m overall height for all units

- INDION NGPSTP are available as modular units in various sizes as per the sewage treatment requirements.
- INDION NGPSTP can be either installed above the ground or below up to 2.3 m without a concrete surround.
- Power input, inlet and outlet configurations and colour are according to client specification. All units are road transportable.

INDION NGPSTP models are also available for flow rates exceeding 92,000 l/day.

Specialised sewage and effluent treatment processes such as sequential batch reactor (SBR), fluidised media reactor (FMR) and submerged membrane bio-reactor (MBR) are also available for high flow rates.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch offices for current product specifications.

INDION is the registered trademark of Ion Exchange (India) Ltd.

ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road,
Mahalaxmi, Mumbai 400 011
Tel: +91 22 3989 0909 | Fax: +91 22 2493 8737
E-mail: ieil@ionexchange.co.in

International Division

R -14, T.T.C MIDC, Thane - Belapur Road,
Rabale, Navi Mumbai 400 701
Tel: +91 22 3989 0909 / 3913 2400 | Fax: +91 22 2769 7918
E-mail: export.sales@ionexchange.co.in

OFFICES

Regional	Telephone	Fax	E-mail
Chennai	+91 44 3989 0909 / 3910 2900	+91 44 2815 3361	checro@ionexchange.co.in
Delhi	+91 11 3989 0909 / 3054 3200	+91 11 2577 4837	delcro@ionexchange.co.in
Kolkata	+91 33 3989 0909 / 3043 3400	+91 33 2400 4345	calcro@ionexchange.co.in
Vashi	+91 22 3989 0909 / 3913 2300	+91 22 2788 9839	mumcro@ionexchange.co.in
Branch			
Bengaluru	+91 80 2204 2888		bngcro@ionexchange.co.in
Bhubaneswar	+91 674 326 9525 / 257 1491		bbsr@ionexchange.co.in
Chandigarh	+91 172 274 5011	+91 172 274 4594	delcro@ionexchange.co.in
Hyderabad	+91 40 3066 3101 / 02 / 03	+91 40 3066 3104	hydcro@ionexchange.co.in
Lucknow	+91 522 301 3401/02	+91 522 301 3401	luk.general@ionexchange.co.in
Vadodara	+91 265 302 7489 / 90	+91 265 239 8508	brdcro@ionexchange.co.in
Visakhapatnam	+91 891 324 6253		sales.vizag@ionexchange.co.in

Factories: Ankleshwar | Hosur | Patancheru | Rabale | Verna

All India Service and Dealer Network

www.ionindia.com