INDION® LAMPAK

Water, being a precious natural resource and clean drinking water is a basic necessity of life. Acute shortage and contamination of water in rural areas has always been a concern. At Ion Exchange, we have developed INDION Lampak which meets the community drinking water requirement.

INDION Lampak is a compact unit consisting of pump, static mixer, flocculator, lamella clarifier, gravity sand filter and chemical dosing systems. It produces disinfected drinking water with < 5 mg/l TSS from feed water containing 500 mg/l of TSS. Best suited for community use, it can also be used for variety of industrial applications.

Features

- Modular construction accommodates all equipments in a single floor mounted unit
- Easy to operate and requires minimum maintenance
- Can be operated on diesel generator or on alternate renewable energy source. Thus, the unit can be operated in areas which does not have electricity supply
- Minimum building space requirement and height clearance

- Easy to transport and restart
- Minimum projected effective settling area (PESA) per sq. ft. of plate area due to unique hydraulic distribution and collection arrangement
- Individual lamella plates can be removed easily for inspection and maintenance by a single operator without shutting down of the unit
- Light weight corrosion resistant material used for the plates. No ‘plate pack’ type frame required
# Technical Specifications

<table>
<thead>
<tr>
<th>System Description</th>
<th>INDION LAMPAK - 10</th>
<th>INDION LAMPAK - 25</th>
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<tbody>
<tr>
<td>Average Product Flow (m³/h)</td>
<td>10</td>
<td>25</td>
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</table>

## Flocculation Tank
- **Material of Construction**: MSEP
- **Flocculator**: Flat Paddle type
- **Quantity/HP**: 1 No / 0.33 / 2 Nos. / 0.33

## Lamella Clarifier
- **Quantity**: 1
- **Size (mm) L x W x H**: 1220 x 2000 x 1500

## Gravity Sand Filter
- **Size (mm) L x W x H**: 750 x 2000 x 1500
- **Feed Inlet (mm)**: 100
- **Product Outlet (mm)**: 100
- **Drain (mm)**: 50
- **Size (mm) L x W x H**: 3000 x 2000 x 1500
- **Feed Inlet (mm)**: 100
- **Product Outlet (mm)**: 150
- **Drain (mm)**: 100

## Overall System Dimensions
- **Length x Width x Height (mm)**: 3670 x 2200 x 1600
- **Shipping Weight (tons)**: 3
- **Power Supply**: 415 V, 50Hz
- **Length x Width x Height (mm)**: 9690 x 2200 x 1600
- **Shipping Weight (tons)**: 4
- **Power Supply**: 415 V, 50Hz

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.

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

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