INDION® LAMPAK

Water, is 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>
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<tr>
<th>System Description</th>
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<tbody>
<tr>
<td>Average Product Flow (m³/h)</td>
<td>5</td>
<td>10</td>
<td>25</td>
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</table>

**Floculation Tank**
- Material of Construction: MSEP
- Flocculator: Flat Paddle type
- Quantity/HP: 1 No / 0.33
- Size (mm) L x W x H: 1220 x 2000 x 1500

**Gravity Sand Filter**
- Size (mm) L x W x H: 500 x 2000 x 1500
- Feed Inlet (mm): 100
- Product Outlet (mm): 100
- Drain (mm): 50
- Length x Width x Height (mm): 6700 x 3000 x 1600
- Shipping Weight (tons): 100
- Power Supply: 415 V, 50Hz

**Lamella Clarifier**
- Quantity: 1 No
- Size (mm) L x W x H: 1220 x 2000 x 1500
- Feed Inlet (mm): 100
- Product Outlet (mm): 100
- Drain (mm): 50
- Length x Width x Height (mm): 7020 x 4200 x 1600
- Shipping Weight (tons): 100
- Power Supply: 415 V, 50Hz

**Overall System Dimensions**
- Length x Width x Height (mm): 14000 x 7800 x 1600
- Shipping Weight (tons): 50
- 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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