BELT THICKENERS WITH PNEUMATIC BELT CENTERING

DESIGN
- n. 3 rollers:
  - Tensioning roller by mechanic system.
  - Centering roller by pneumatic system.
  - Motorized roller lined with rubber.
- Feeding reactor cylinder with vertical stirrer
- Belt washing pump on board
- n. 6 rows of ploughs
- Automatic/Manual electrical local control panel

OPERATION
1 - Sludge inlet
2 - Reactor cylinder
3 - Distribution tank
4 - Dewatering area with ploughs
5 - Thickened sludge hopper
6 - Thickened sludge pump
7 - Washing pump
8 - Wash water outlet
9 - Filtrate discharge

MODELS AND SPECIFICATIONS

<table>
<thead>
<tr>
<th>Models</th>
<th>Sludge capacity m³/h</th>
<th>Belt width mm</th>
<th>Belt washwater m³/h</th>
<th>Belt thickener power kW</th>
<th>Washpump power kW</th>
<th>Empty weight kg</th>
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</thead>
<tbody>
<tr>
<td>P 9-3</td>
<td>14÷24</td>
<td>1000</td>
<td>3,6</td>
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<td>P 11-3</td>
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<tr>
<td>P 21-4</td>
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<td>P 23-4</td>
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<td>P 31-4</td>
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</tbody>
</table>

OPTIONS
- Belt drive unit with control by hand-wheel or inverter
- Structure to increase height made of galvanized steel or stainless steel
- Hopper to convey the sludge into thickened sludge pump
- Possibility of construction in galvanized steel or stainless steel
Belt Thickeners with Mechanic Belt Centering

**P-S**

**Design**
- n. 2 rollers: Tensioning roller by mechanic system.
- Motorized roller lined with rubber.
- Belt washing pump on board
- n. 6 rows of ploughs
- Covers and air suction flange
- Automatic/Manual electrical local control panel

**Operation**
1. Sludge inlet
2. Feeding reactor tank
3. Gravity drainage with rows of ploughs
4. Outlet of thickened sludge
5. Thickened sludge hopper
6. Outlet of filtrate
7. Outlet of wash-water
8. Washing pump
9. Opening covers
10. Air suction hood

**Models and Specifications**

<table>
<thead>
<tr>
<th>Models</th>
<th>Sludge capacity m³/h</th>
<th>Belt width mm</th>
<th>Belt washwater m³/h</th>
<th>Belt thickener power kW</th>
<th>Wash pump power kW</th>
<th>Empty weight kg</th>
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<tbody>
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<td>P 32-4S</td>
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<td>7.5</td>
<td>2400</td>
</tr>
</tbody>
</table>

**Options**
- Belt drive unit with control by hand-wheel or inverter
- Sludge feeding with Reactor cylinder or Overturned pyramid tank (feeding tank)
- Structure to increase height made of galvanized or stainless steel
- Hopper to convey the sludge into thickened sludge pump
- Possibility of construction in AISI 304L or AISI 316L stainless steel
DRUM THICKENERS WITH INTERNAL SCREW

BR

DESIGN
- Drum with internal screw
- Reactor cylinder with stirrer
- Belt washing pump on board
- Self cleaning nozzles
- Automatic/Manual electrical local control panel

OPERATION
1 - Sludge inlet
2 - Reactor cylinder
3 - Gravity drainage drum
4 - Outlet of thickened sludge
5 - Outlet of filtrate
6 - Washing pump
7 - Belt washing bar
8 - Electric local control panel

MODELS AND SPECIFICATIONS

<table>
<thead>
<tr>
<th>Models</th>
<th>Sludge capacity</th>
<th>Drum diameter-drum length</th>
<th>Belt washwater</th>
<th>Drum thickener power</th>
<th>Washpump power</th>
<th>Empty weight</th>
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<td>700-1500 mm</td>
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<td>0.55 kW</td>
<td>4.0 kW</td>
<td>600 kg</td>
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<td>BR 30</td>
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<td>900-2500 mm</td>
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<td>7.5 kW</td>
<td>2600 kg</td>
</tr>
</tbody>
</table>

OPTIONS
- Drum drive unit with control by hand-wheel or inverter
- Stirrer of reactor cylinder with fixed or variable RPM
- Structure to increase height made of galvanized or stainless steel
- Hopper to convey the sludge into thickened sludge pump
- Possibility of construction in AISI 304L or AISI 316L stainless steel