

## Horizontal Plate Filter Press

- **Designed for zero hold up**
- **Single pass filtration with no solid bypass**
- **Full batch recovery, no separate scavenging systems needed**
- **Uniform distribution of cake on each plate**
- **Uniform filter bed formation**
- **Easy removal & cleaning**
- **Central feeding thereby reducing cost of expensive solvents**
- **Proper sealing which allows the filtration of volatile, toxic and inflammable products**



Leistung's horizontal plate filter press is enclosed construction, preventing evaporation, oxidation, leakage and fumes escaping from products.

The Leistung make horizontal plate filter press consist SS shell & top cover to give pressure tight enclosure with Rathmann styled clamp. Plate pack assembly can be removed manually for cake disposal. The plate pack assembly consist plates, perforated screen, filter media & interlocking cups.

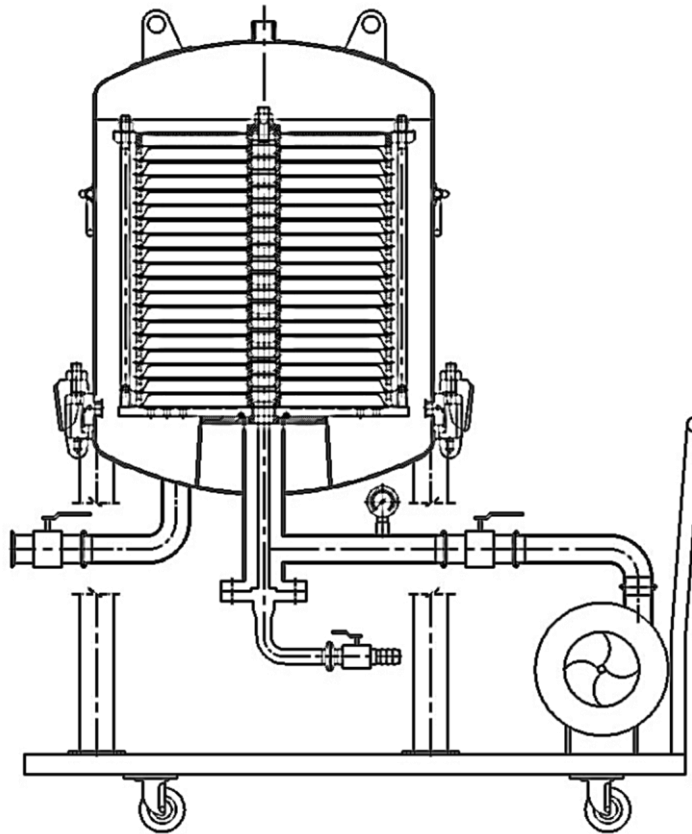
The entire assembly complete with pump & piping connection can be mounted on SS trolley, if required. It can be jacketed for hot filtration.

The unfiltered liquid is centrally fed under pressure from the bottom inlet. The liquid spreads out equally on each plate fitted with filter media. Filter plates are available in different sizes depending on percentage of cake holding capacity. Solid remain on the filter media and clear filtrate flows through precisely made holes on side of plates and collects in shell there by coming out through outlet. In this process, there is equal distribution of solid on each plate. The cake is then cleaned from filter media & used again for filtration process. The cake can be dried maximum by applying air or insert gas at the end of cycle.

The filtration area & cake holding capacity can be increased or decreased as per customer requirement by selecting appropriate range of filter press.

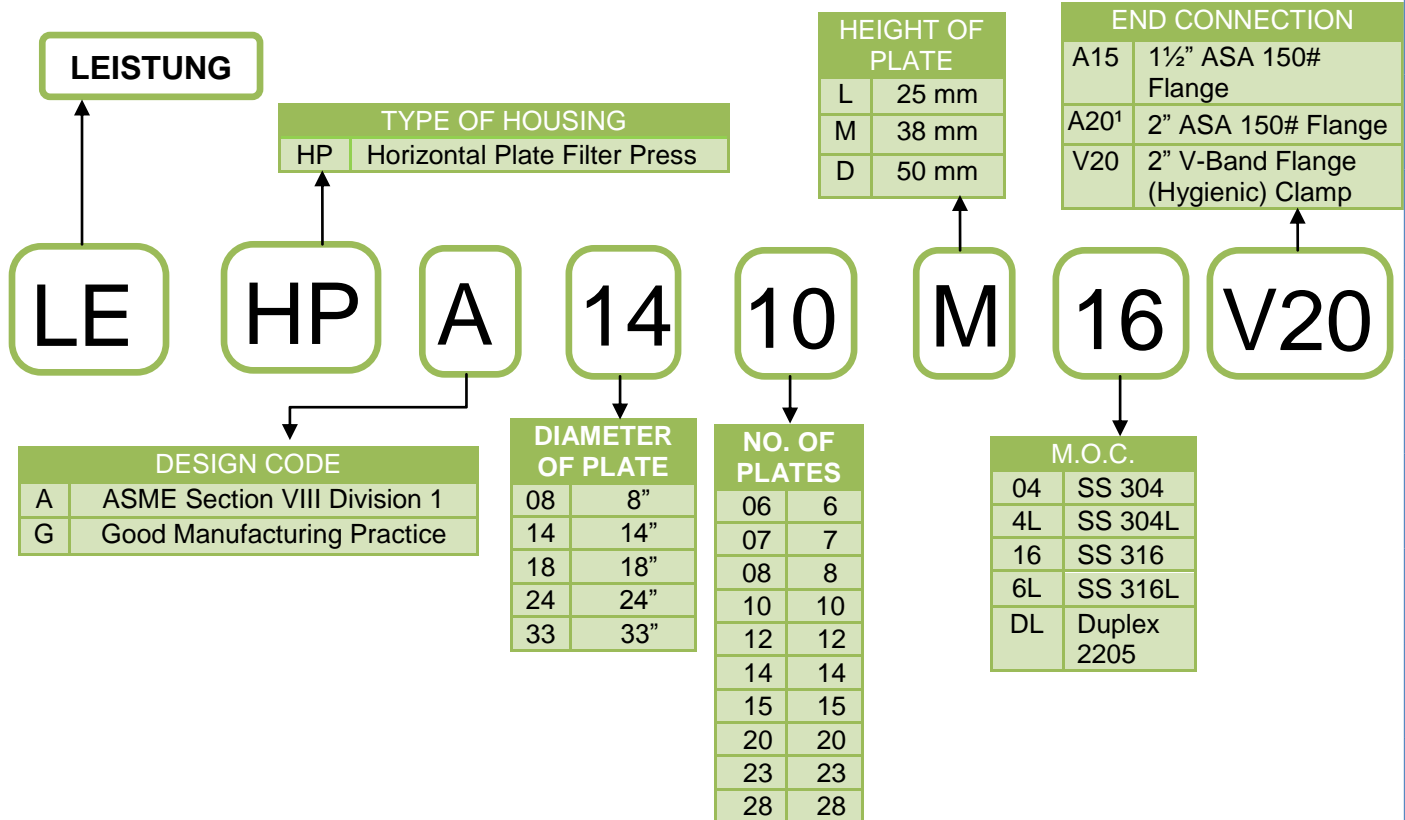
### Technical Data

<b>No. of Plates</b>	Up to 28
<b>Available Height of Plate</b>	25, 38 or 50
<b>Capacity</b>	Up to 29,000 L/hr
<b>Design Code</b>	Good Engineering Practice, ASME section VIII Division 1
<b>MOC</b>	SS – 304, 304L, 316, 316L, Duplex 2205
<b>Media</b>	Sugar syrup, liquid, Semi-liquid products
<b>Pressure Rating</b>	1 – 15 bar
<b>Temperature Rating</b>	-25°C to +65°C, more on request
<b>Vessel Closure</b>	Rathmann Styled Clamped, Bolted
<b>Sealing material</b>	EPDM, Silicon, FKM /FPM (fluoroelastomer)
<b>Lifting Device</b>	Lifting Lug and handle
<b>Vessel Support</b>	Leg support with movable Skid
<b>Surface Finish</b>	Matt Finish, Mirror Finish
<b>Optional Finish</b>	Electro Polish
<b>Customized Design</b>	Available in customized design to accommodate specific requirements
<b>Options</b>	Centrifugal, lobe or gear pump for pressure filtration
<b>Accessories (Optional)</b>	Pressure Gauge, Vent Valve, Drain Valve, D.P. Gauge



**Ordering Chart**

**ORDER IDENTIFICATION NUMBER**



Note: 1. 2" ASA 150# Flange is available only for horizontal plate filter press with diameter of plate 24" and above.

In case of special application conditions, please e-mail at: [rnd@leistung.in](mailto:rnd@leistung.in)  
The technical specifications are subject to change without notice.