

EnviLeaf H-Filter Range (Dry)

Horizontal Pressure Leaf Filter

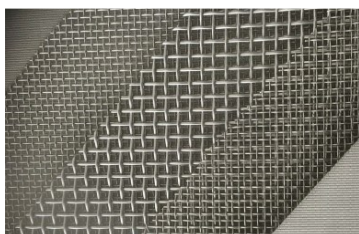


Horizontal pressure leaf filter solutions for dry cake discharge

Our range of EnviLeaf H-Filter pressure leaf filters are designed and engineered using the latest technology to greatly improve cake discharge properties. This economical pressure leaf filter is equipped with filter leaves that are positioned vertically in a horizontal filter tank and connected to a filtrate manifold at the bottom of the filter tank. These filters can have a large filtration area and enable visual cake inspection after every cake discharge. For dry cake discharge, a vibrator is used to remove the cake from the filter leaves when the filtration process is complete.



Special Enhanced Nozzle



5 Layer Mesh



*Corner
Reinforcement*



EnviLeaf H-Filter

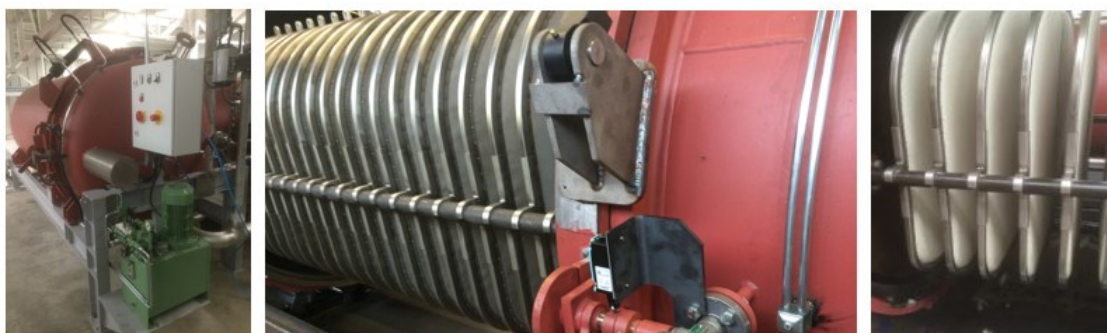
Features & Benefits

- **Space-saving, compact design** – compact systems achieve high flow rates and operate at pressures of up to four bars
- **Long-life filter leaves and filter mesh** – constructed from five layers (ply) of stainless-steel wire mesh, each internal filter leaf is designed for long-life
- **High-efficiency** – with excellent pre-coating properties
- **Adaptability** – sized according to your application – with horizontal vessels ranging from 12m² to 200m²
- **Multi-purpose** – one system can be used at multiple stages in the filtration process, customized by the mesh and the structure of the filter leaves within
- **Quicker discharge** – our air vibration system ensures quick and easy cake discharge. With fast drying processes, we ensure the minimum amount of liquid waste during cleaning cycles
- **Enhanced robust design** – our enhanced nozzle has a unique u-shaped profile and is enclosed within a manifold. This design creates a strong bond with the tank, delivers a smooth flow and prevents damage during cleaning
- **Safe operating** – the completely closed filter body ensures safe operating conditions at high temperature

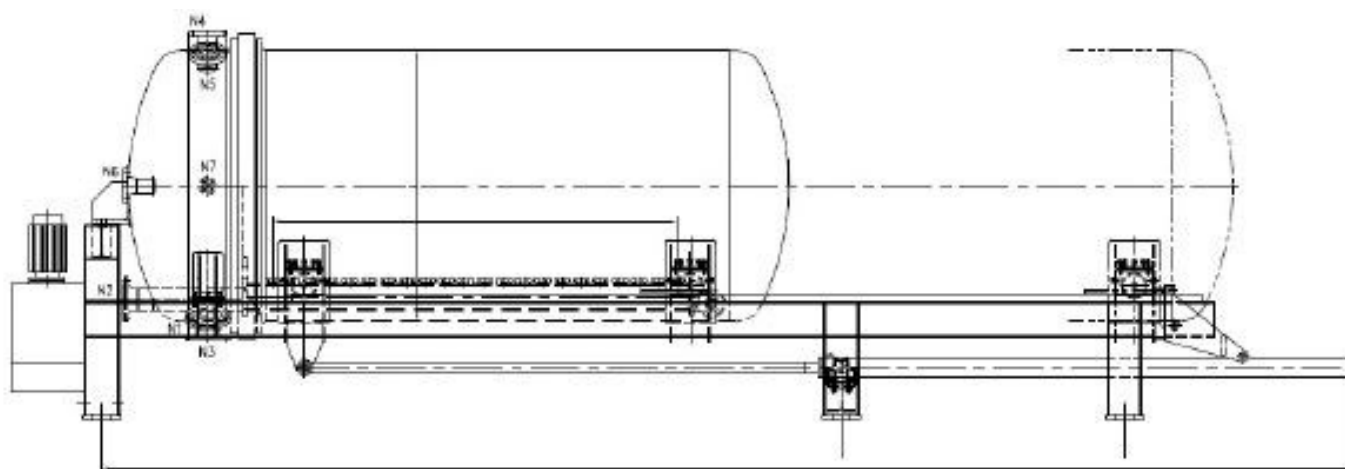
Applications

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|---|--|
| • Edible oil processing (crude oil, bleached oil, winterized oil) | • Bio-diesel production (pre-treatment and polishing) |
| • Gelatin processing | • Liquid sulfur filtration |
| • Pectin processing | • Chemicals and oleochemicals |
| • Glucose, sweeteners, sugar, fruit juice production | • Organic and inorganic salts, amines, resins and bulk drugs |

Specifications



Filter Housing Material	Carbon steel or stainless steel. Others available on request
Design Pressure	-1/6 bar (g)
Design Temperature	0/150°C
Design Codes	2014/68/EU PED, ASME VIII, Others on request
Standard Mesh	60 mesh, 24x110 mesh, PZ80 in 904L, 317L or 316L
Leaf Pitch	75mm, 100mm, 125mm
Vessel Diameters	1400mm, 1600mm, 1800mm, 2000mm
Filtration Area	12m ² to 200m ²



Envirogen reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Data contained in this bulletin are informative and subject to change without notice. User is responsible for determining whether the product fits for particular purpose and is suitable for user's applications.

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