

EnviLeaf V-Filter Range (Dry)

Vertical Pressure Leaf Filter

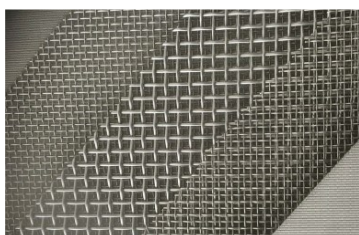


Vertical pressure leaf filter solutions for dry cake discharge

Our range of EnviLeaf V-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 vertical, rectangular filter leaves. The filter leaves are mounted vertically and connected to a filtrate manifold at the bottom of the filter tank. 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 V-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 vertical vessels ranging from 5m² to 125m²
- **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 operation** – the completely closed filter body ensures safe operating conditions at high temperature

Applications

- Edible oil processing (crude oil, bleached oil, winterized oil)
- Gelatin processing
- Pectin processing
- Glucose, sweeteners, sugar, fruit juice production
- Bio-diesel production (pre-treatment and polishing)
- Liquid sulfur filtration
- Chemicals and oleochemicals
- 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	ASME VIII, 2014/68/EU PED , Others on request
Standard Mesh	60 mesh, 24x110 mesh, PZ80 in 904L, 317L or 316L
Leaf Pitch	75mm

Ordering Guide

Model	QTY Leaves	Filtration Area (m ²)	Cake Volume (dm ³)	Inlet/ Drain DN	Outlet DN	Vent DN	Cake Door DN	Filter Volume (dm ³)	Empty Weight(kg)
Envi v-2000-122-1810	24	122	2680	100	125	100	600	9475	4900
Envi v-1800-95-1810	21	95	2090	80	100	80	600	7115	3500
Envi v-1600-72-1810	18	72	1590	80	100	80	600	5440	2900
Envi v- 1400-58-1810	17	58	1270	80	80	80	600	3990	2300
Envi v-1400-48-1500	17	48	1050	80	80	80	600	3540	2100
Envi v-1200-41-1810	14	41	900	80	80	50	500	2855	1700
Envi v-1200-34-1500	14	34	740	80	80	50	500	2520	1500
Envi v-1000-24-1500	12	24	530	50	50	50	500	1690	1200
Envi v- 800-14-1500	14	14	310	50	50	50	350	1050	850
Envi v- 800-9-1000	9	9	200	50	50	50	350	750	700
Envi v-610-5-1000	7	5	110	50	50	25	300	430	550

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

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