

## Gravity Band Filter

The Gravity Band Filter is an efficient system designed for liquid/solid filtration. It yields high performance providing advantages to liquid filtration not available in other products. It is engineered to function with few moving parts.

The contaminated liquid is pumped into the filter and forced through the media by gravity and the inlet feed system. The media being carried on the flat wire belt has a watertight seal via UHMW wheels with attached rubber material to prevent filtrate bypass. The integrated flight scrapers connecting the wheels assure solids are removed from the filter bed.

As solids accumulate on the filter media, the chamber liquid level rises until it meets a preset limit. The flat belt discharges the spent media and solids out the other end. The media and solids are then dropped into a receptacle and the used media can be rewound for easy disposal. Clean filtered liquid is discharged from the bottom section.



**Spent solids and media exiting Gravity Filter into receptacle**



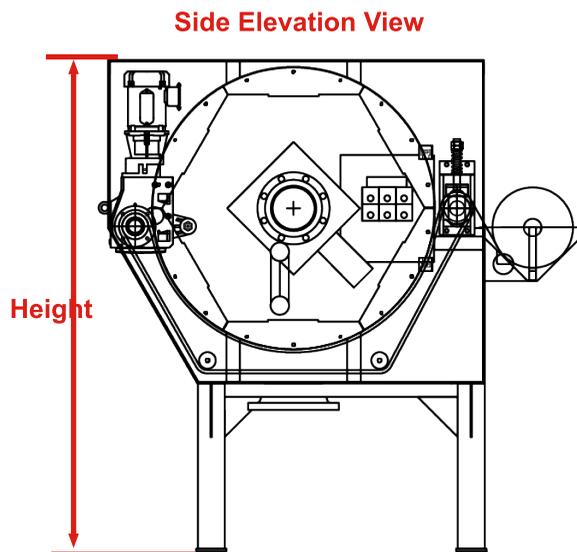
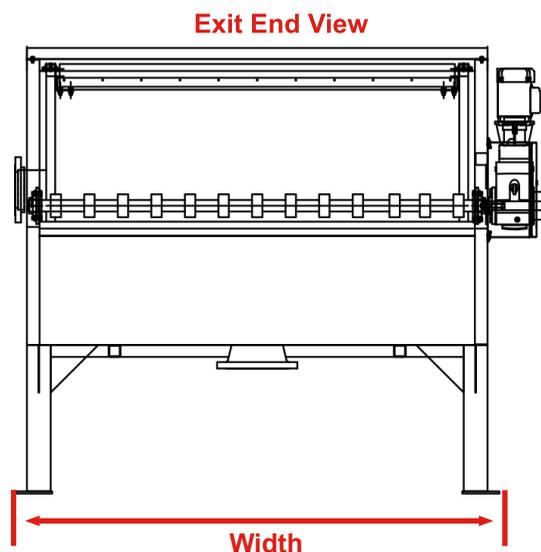
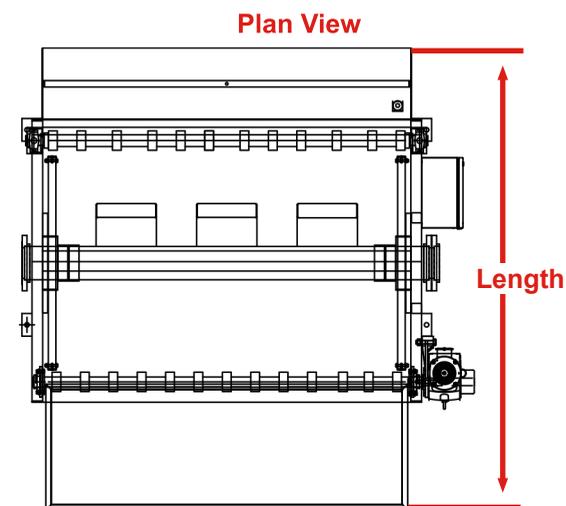
**Gravity Filter with stand and a diaphragm pump**

### Benefits

- Efficient filtration with self-indexing operation.
- Requires minimal operator intervention.
- Open design with safety guards.
- Easy access to the flat wire belt gear motor.
- Media edge seal design.
- Automatic adjusting seal pressure.
- Chemically inert materials of construction.

This filtration system would be beneficial for applications such as alkaline/caustic cleaner baths, hydrocyclone underflow, coolant filtration, wastewater treatment processes or any application where solids are removed from liquids.

## Technical Data



### Standard

- Media side seals
- Media jog switch/button
- NEMA 12 panel
- Float style level control

### Options

- Integrated filtrate collection tank with level controls and pump.
- Supplemental filtration on hydrocyclone systems.
- Media rewind assembly.
- Sloped drain pan.
- Low level alarm.
- NEMA 4/7

Model No.		ALBF 2.5-30	ALBF 2.5-48	ALBF 3.25-48	ALBF 3.2-72	ALBF 4-72	ALBF 4-96
Flow Range	GPM m3/hr	65 - 150 15 - 30	110 - 275 30 - 60	145 - 365 35 - 80	225 - 565 60 - 125	280 - 705 75 - 160	350 - 955 95 - 215
Inlet 150lb FLG	in. DN	4 100	4 100	6 150	6 150	8 200	8 200
Outlet 150lb FLG	in. DN	6 150	6 150	8 200	8 200	10 250	10 250
Dimensions LxWxH	in. m	57x43x43 1.4x1x1	57x61x43 1.4x1.5x1	67x63x52 1.7x1.6x1.3	67x87x52 1.7x2.2x1.3	77x89x62 1.9x2.2x1.5	77x113x62 1.9x2.8x1.5

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