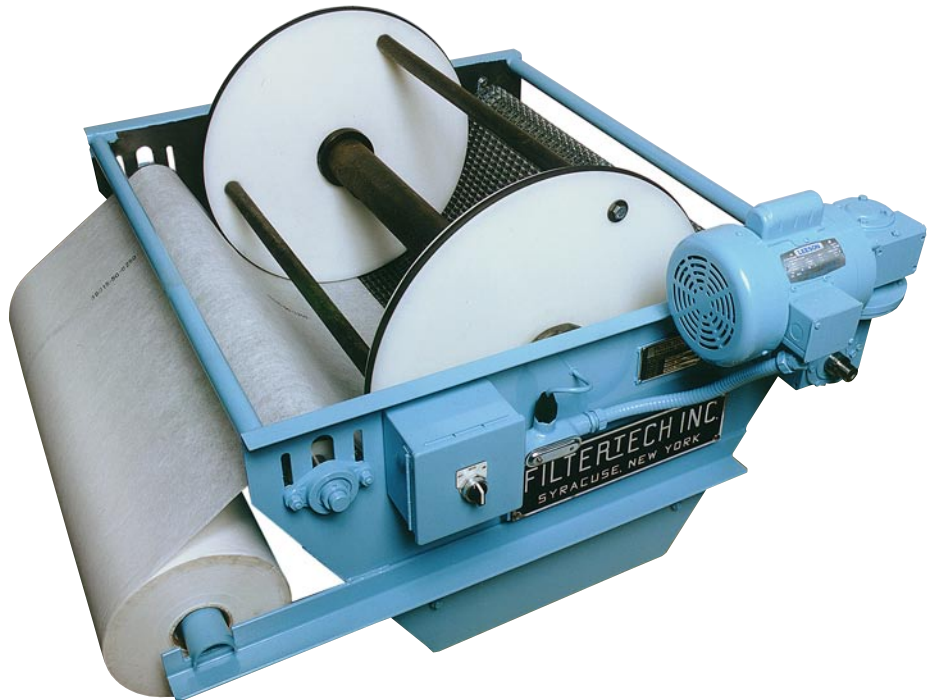


SOLUTION CLARIFICATION USING LIQUID GRAVITY FILTER

The Filtertech Model LGF Liquid Gravity Filter provides efficient clarification in a variety of applications. The filter is designed for fully-automatic operation through its prewired 110 volt control panel. With minimal installation requirements, the Model LGF can be up and running in no time. The unit is available in several sizes for various flow rate requirements.



*Model LGF3-360 Cylindrical
Bed Gravity Filter*

TYPICAL APPLICATIONS

- **Wire drawing coolants**
- **Annealing quenches**
- **Cooling tower water**
- **Phosphate solutions**
- **Machining and grinding**
- **Parts washing**
- **Industrial waste streams**

EQUIPMENT FEATURES

Standard

- Hot rolled steel construction.
- Low velocity inlet header.
- Automatic index switch.
- 110V media drive motor.
- Deep operating liquid level (high static head).
- Heavy-duty flat wire belt conveyor with non-restrictive openings.
- Bottom/side outlet connections.
- Side inlet connection.
- Single O-ring positive side seals.
- Compact rugged construction.
- Non-metallic wheel flanges.
- Roll of disposable filter media.

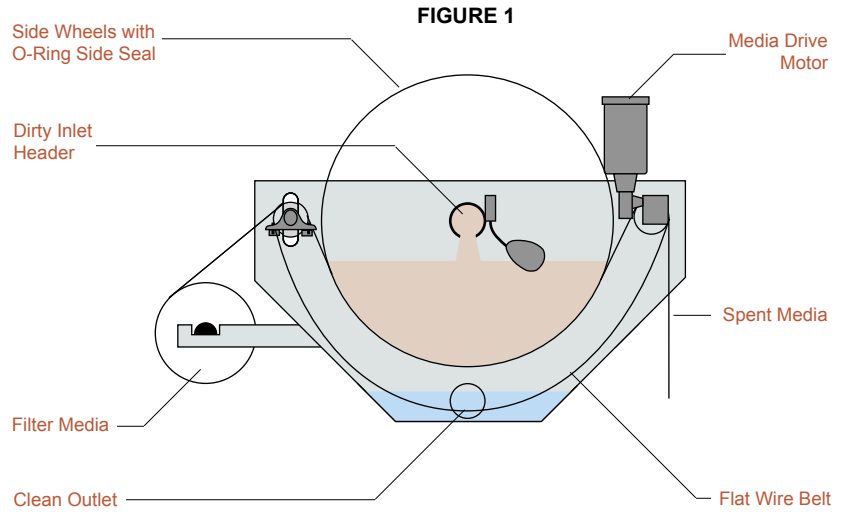
Optional

- COR-TEN® steel wetted surfaces.
- Stainless steel wetted surfaces.
- Stainless steel conveyor components.
- Epoxy coated wetted surfaces.
- 460V/3Ø/60Hz control panel.
- End-of-media sensor.

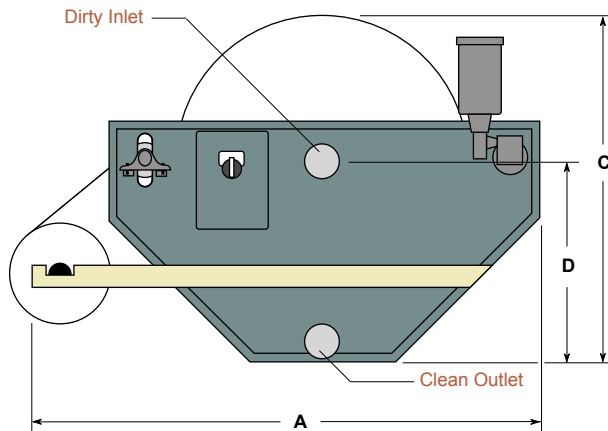
MODE OF OPERATION

Dirty liquid enters the specially-designed side inlet header, which slows the velocity and discharges onto the liquid surface. Generation of the liquid pool has been achieved by formation of a solids “cake” on disposable media. As this “cake” becomes tighter and thicker, liquid flow through the media is restricted causing the pool level to rise, which initiates movement of the conveyor systems. As the liquid flow increases through the fresh media, the pool level drops, thus terminating the media index.

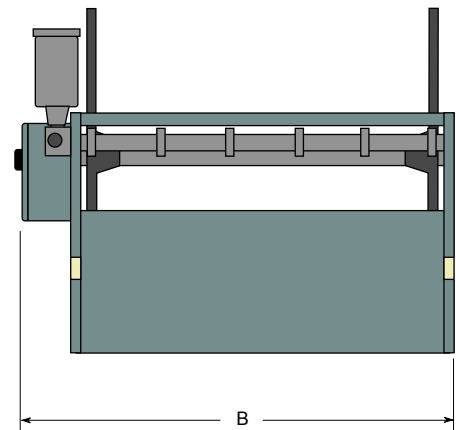
The solids-laden media, which has exited the liquid pool, is discharged into a disposal receptacle.



SIDE VIEW



FRONT VIEW



SPECIFICATIONS

Model†	Dimensions ft-in (cm)				Drive Hp	Est. Wt. lbs (kg)	
	A	B	C	D		Dry	Wet
LGF2-240	4'-0" (122)	3'-6" (107)	2'-6" (76)	1'-6" (46)	½	325 (147)	600 (272)
LGF3-360	4'-0" (122)	4'-6" (137)	2'-6" (76)	1'-6" (46)	½	410 (186)	825 (374)
LGF4-480	4'-0" (122)	5'-9" (175)	2'-6" (76)	1'-6" (46)	½	495 (224)	1,040 (472)

† Other filters are available on a custom basis.

Specifications subject to change without notice.