



**Flume Water Filters For Beet Sugar Refineries**  
*An Englo Product*

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***OptimalFiltration.com***



## **Englo Inc. Optimal Flume Water Filters For Beet Sugar Refineries**

West Virginia based Englo Inc. manufactures flume water filters for use by beet sugar refineries for solid debris removal. Beet debris and leaf fibers captured from wash water are directed onto a filter belt and are then separated with particle size removal flexibility. In some facilities, beet debris containing sugar is recycled. Return on investment from an Englo Optimal brand flume water filter can sometimes be achieved in one single sugar campaign.

Englo Inc. Optimal flume water filters are available in a variety of flow capacities. Units are available having capacities in the thousands of gallons per minute. The filter belts used by Englo for its flume water filters are constructed of extremely resistant plastic. Replacement of filter belts, when necessary due to normal wear and tear, can be performed with relative ease.

Wash water is filtered through the mesh openings in the filter belt. The load to the refinery water treatment systems is greatly reduced by effective flume water prefiltration.

Debris and beet leaf fibers rest on the surface of the belt and are discarded in the direction that the belt is conveyed for further processing downstream. A scraper blade cleans the surface of the belt. Filtered water passes through a fully enclosed sump section of the filter and is then discharged through outlets in the sump.

Englo's Optimal flume water filter is a gravity belt filter. It consists of a robust frame having a screw-mounted water distribution box. Contaminated water is directed towards the center of the water distribution box. This flume water is evenly distributed over the entire width of the filter. At the overflow, flume water passes over a guide plate onto the surface of the belt.

***Recover Water, Remove Beet Debris and Lighten  
Water Treatment Systems Load***



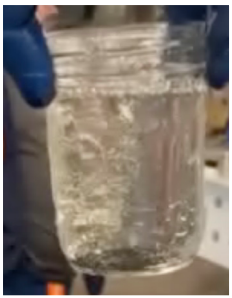
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## **Optimal DBG-70 70 GPM Pilot Filter Available for ON-SITE TRIALS**



*Clear Filtered Water*



## **Continuous Loop Filter Belt - No Media Required**

### **STANDARD FEATURES**

Type	Custom for Product
Construction	Two Part Epoxy/Painted Carbon Steel
Indexing Motor Power	0.25 hp-0.50hp 120/240v
Filter Media	Continuous Loop or roll media
Rated Throughput	Up to 100 gpm
Adjacent Mounted Tank Storage Capacity	75-165 gal - Custom Design for Application
Pump Package	0.5hp, 115v Surge, 10hp, 230/460v Pressure
Indexing Control	Float Switch
Width	53"
Height	45"
Length	78"
Options	Mechanical Squeezer, Tote Box, Pump Package
Water Use Reduction	Up to 80% less water use

***Recover Water And Remove Solids...***