Tamizador de Malla Filtrante
Perforated Belt Screen

Modelo / Model : FRS 3

Descripción

El efluente fluye a través de los elementos filtrantes perforados de acero inoxidable, mientras que los contaminantes sólidos se retienen. La materia sólida es recogida directamente del fondo del canal por el elemento filtrante sin necesidad de un escalón en la base.
Los elementos filtrantes forman una banda filtrante continua que se limpia con un cepillo en el punto superior de descarga.
El proceso de limpieza se complementa con una serie de chorros de agua que trabajan en proporción a la carga de sólidos. Los dientes ubicados cada 5 elementos filtrantes evitan la formación de rollos de material frente a la banda filtrante y aseguran que la mayoría de ella se quita.
Como resultado de la forma de media caña de los elementos filtrantes y del montaje del cepillo de limpieza en el punto superior de descarga, la distancia entre el cepillo y el elemento filtrante es constante. Esta distancia constante asegura una limpieza eficaz combinada con un bajo desgaste del cepillo.

Discription

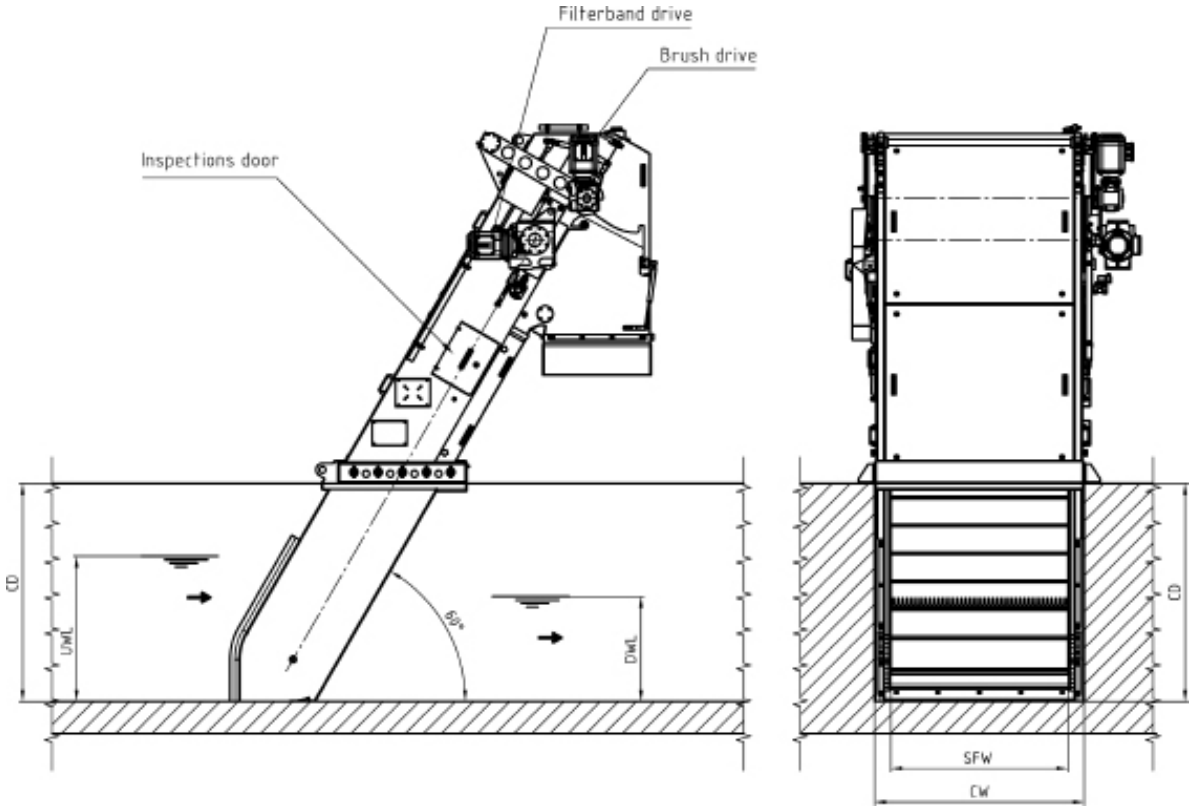
The effluent flows through the perforated filter elements made of stainless steel, while the solid contaminants are retained. The solid matter is collected directly from the bottom of the channel by the filter element without the need for a step at the base. The filter elements form a continuous filter band that is cleaned by a brush at the top point of deflection.
The cleaning process is complemented by a series of water jets working in proportion to the load of solids. Teeth located every 5 filter elements prevent the formation of material rolls in front of the filter band and ensure that most of it is removed.
As a result of the half-cane shape of the filter elements and the
When installing the cleaning brush at the upper deflection point, the distance between the brush and the filter element is constant. It is constant distance ensures effective cleaning combined with low brush wear.

Características

» Gran resistencia por su construcción robusta, no necesita barras de protección aguas arriba;
» El filtro permite que la arena pase sin sufrir daños;
» Gran eficacia de limpieza debido a los elementos de los orificios perforados;
» Descarga de sólidos más grandes debido a los dientes de los elementos filtrantes;
» Limpieza optimizada de los elementos filtrantes debido a su forma en segmentos circulares;
» Excelente relación costo/eficiencia y bajo costo mantenimiento;
» Fácilmente adaptable a cambios en las condiciones de trabajo;
»Máquina completamente cerrada e higiénica;

Features

» Great resistance due to its robust construction - it does not need protection bars upstream;
» The filter allows sand to pass through without damage;
» Great cleaning efficiency due to the elements of drilled holes,
» Discharge of larger solids due to the teeth of the filter elements,
» Optimized cleaning of the filter elements due to their shape in circle segments;
» Excellent cost / efficiency ratio and low maintenance cost;
» Easily adaptable to changes in working conditions;
» Fully closed and hygienic machine;



Dimensions	
Filter width	300 to 3000 mm
Distance between shafts	Up to 11000 mm, larger on request
Hole diameter	2 - 12 mm, others on request
Water level differential	Up to 2000 mm, larger differentials on request
Mounting angle	75 °, 60 ° or 50 °, other angles on request

Construction Materials	
Machine structure	Stainless steel AISI 304 or AISI 316, other materials on request
Filter element	Stainless steel AISI 304 or AISI 316, other materials on request
Chains	High strength steel or stainless steel link chain
Chain rollers	Made of high-strength steel or stainless steel
Chain supports	HDPE
Base sealing	Double sealing
Side sealing	HDPE
Cleaning the filter band	Rotary brush segments in PP or Nylon
Actuators	SEW gearmotors

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