

Gravity band filter Type HSF

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Technical information



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Introduction

The compact specialist for cast iron and aluminum processing, steel and non-ferrous metals

Full-flow filtration of oils or emulsions containing swarf and metal particles with continuous band or consumable fleece.

Band filters are particularly used in case of high requirements on the filtration rating with an output of 20 - 5000 l/min.

They may be universally used with an integrated emergency overflow for all fluids.

A maximum fluid level above the filter medium due to low level fluctuations guarantees economical filter operation with optimal filtration results.

Standard construction

- Robust edge-welded design
- Removal slope, angled at under 25 – 30°
- Perforated support base
- Geared motor, IP 44, insul. class B
- Winding reel for filter medium
- Level control system for band feed
- Integrated emergency overflow
- Inlet distributor
- Filter medium 20, 30, 40 and 70 g/m²

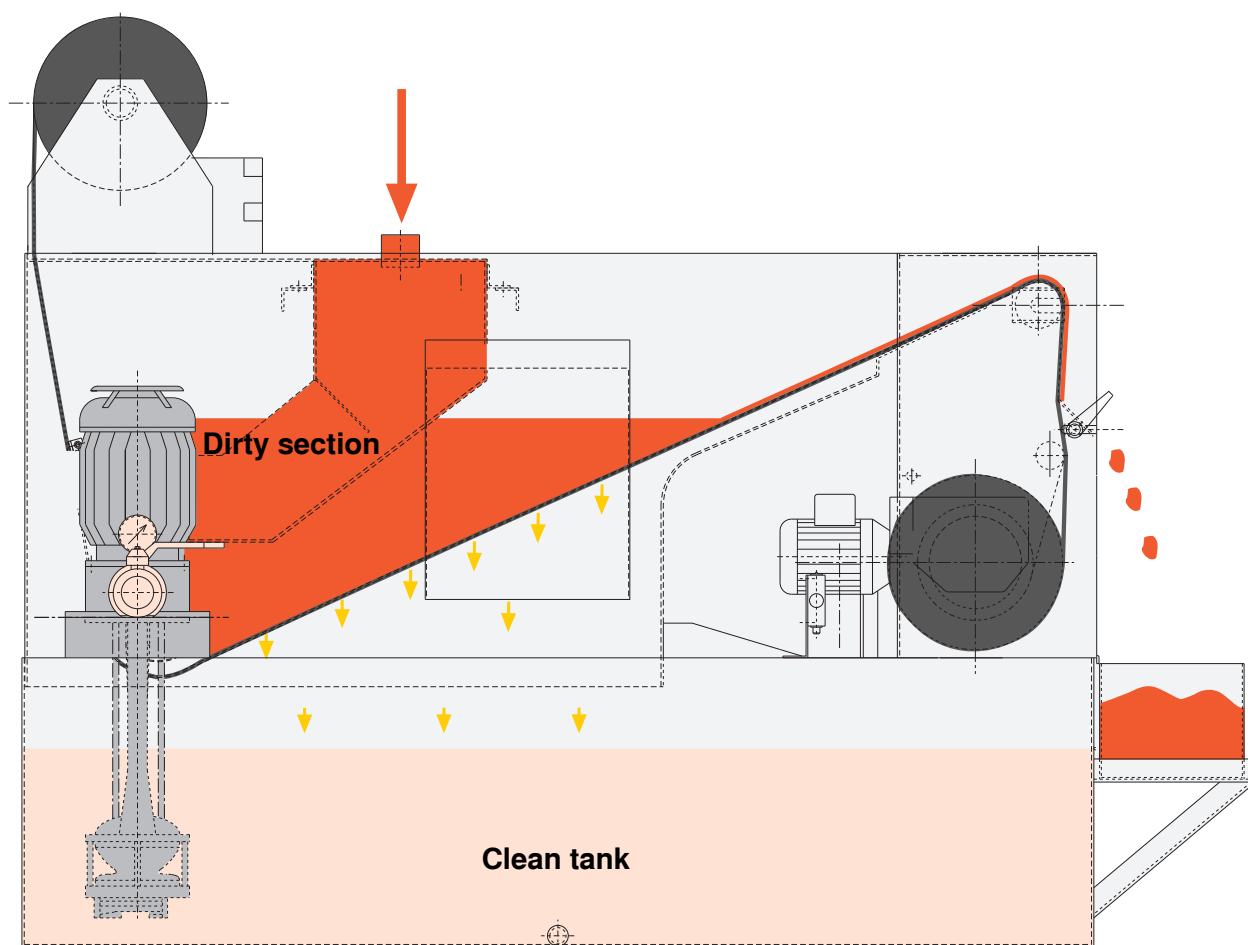
Application

Filtration of emulsions, solutions, waters, oils up to 75 mm²/s during the machining of steel, cast iron, light and non-ferrous metals.

Special features

- Full-flow filtration
- High-sided design to increase throughput, with reduced filter surface
- Universal for all fluids
- High throughput with compact dimensions
- Optimal back-up level above the filter medium
- Low space requirement
- Reduced filter medium consumption
- No moving parts in the fluid section
- Filtration rating up to 20 µm possible depending on filter cake structure
- Integrated dirt collecting box
- Design in standard or stainless steel (1.4301, 1.4571)
- Easy service and maintenance thanks to simple construction
- As modular system extendable to suit customer requirements
- Fully enclosed
- Reel for used filter medium
- Optional continuous band design with band cleaning facility

Functional presentation



Notes

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