

ADAPTABLE COMPONENTS

Horizontal Belt Filters

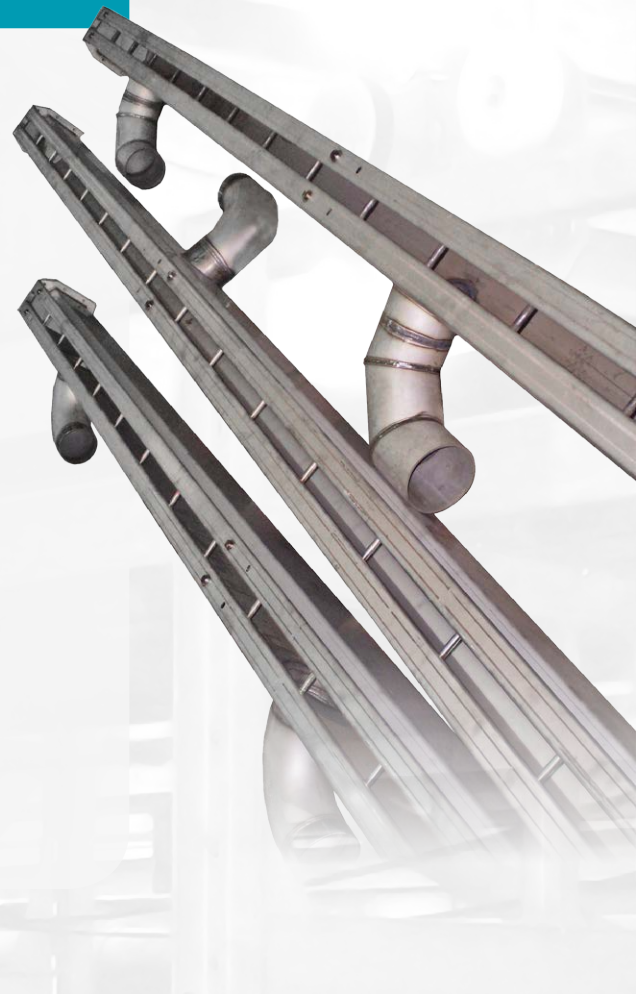
vacuum box, main belt,
edge rubber curbs, frame

- CHEMICAL FERTILIZER
INDUSTRY
- AGRIBUSINESS
- MINES & QUARRIES

adaptable components for horizontal belt filters

vacuum box ensures the performance under vacuum

- Materials choice: stainless steel (316L - UB6- Hastelloy - Titanium, etc.) and SVR resin
- Manufacture calculated and designed to withstand the pressure of the vacuum.
- Manufacturing tolerance minimized for a perfect alignment between the sections and the level of the horizontal plane in order to ensure perfect flatness with the table irons.
- The outlet pipes as positioning at a tangent with the bottom of the vacuum seal box ensures an optimal output of the filtrates toward the collector
- Possibility of design variant depending on your usage, injection for decrystallization, etc.



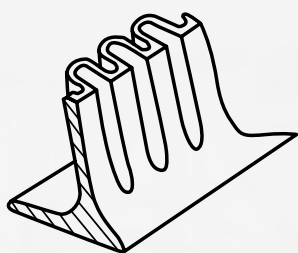
frame the solution to chemical and mechanical attacks

- Choice of materials, painted steel, 316L, UB6, Hastelloy;etc...
- Frame of input/output all dimensions
- Intermediate poles all dimensions
- Adaptation of the cloth stretcher frame, equipped with air bladders in order to ensure a steady and continuous tension on the filter cloth
- Adaptation of systems for cloth drift(or guide) with rubber-coated roller (better grip) and pneumatic system

endless rubber belt guarantee the filter performance

Mounted on a bench in our workshops in order to undergo stabilization, adjustment of the width, grooving and drilling with the tolerances.

- Perfect stabilization and sizing in workshop
- Depth of the grooving adapted to each production and process in order to optimize the flow of filtered liquids
- Studies of diameters or forms of central holes allowing a perfect alignment with the vacuum seal box in order to optimize the performance of the filter and the quality of filtration
- A unique internal design with several folds of polyester ensuring a high resistance to tearing, carcass not in the central bore area in order to avoid contact with the filtrate.
- A choice of materials adapted to the production process, EPDM -SBR - NR - BUTYL



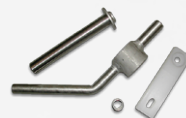
edge rubber curbs

- Two choice of heights, H70 mm or H120 mm
- Corrugations limit the vertical rupture during passage through the drum unit
- Angle of the heel defined in order to limit the risk of the «broken vacuum» phenomenon with the filter cloth
- Choice of material : EPDM,SBR,BUTYL

high quality wear parts



- Filter cloth
- Drive pulleys with Groove rubber coated
- Free Drum with smooth rubber coated
- Belt support roller
- Cloth support roller
- guide belt rollers
- Vacuum seal box and manifold sleeves
- Vacuum sliding rules box strips
- Table sliding rules
- HDPE, PPH, and PP bearings and SKF roller bearings
- Table endless wear belts
- vacuum box endless wear belts
- Belt table return rollers
- Belt table guide rollers
- Vacuum seal box return roller
- Air jack bladder (2 or 3 lobes)
- Scraper blade
- feeder-distributor
- upper accessories
- Washing ramp
- Washing nozzles all diameters PE
- Washing nozzles and lubrication stainless steel all diameters
- Flexible supply hose with clamps





alternative maintenance solutions to optimize your production tool

For over thirty years, Frag Industrie has specialized in the supply of wear parts for mechanical maintenance in heavy industry.

We offer global solutions

/// IDENTIFICATION

Our experience and our presence in the field allows us to carry out the readings and audits to ensure the compatibility of parts that we offer with existing facilities.

/// RECOMMENDATION

To improve the stability and performance of wear parts, we analyze the operating conditions with users and suggest solutions by changing sizes, metallurgical grades or thermal treatments.

/// MECHANICAL APPROACH

Each piece proposed by Frag Industrie is the subject of a thorough study to verify whether it will fulfill the function for which it is intended.

Our technical teams go beyond reproduction on plans or according to descriptions: they study the

context in which the parts will change, verifying the most sensitive points with users in the field to ensure the best performance.

/// INDUSTRIALIZATION AND MANUFACTURING MONITORING

Frag industrie has, in addition to its production workshop, a network of subcontractor partners carefully selected for their expertise and reliability.

For each part, our technicians break down the various phases of production and choose the most effective solutions to optimize manufacturing quality and costs.

The parts provided by Frag Industrie are mainly intended for strategic facilities.

A comprehensive solution – our **commitment** is to control all phases in order to deliver high-performance parts compatible with your system. For you, this brings the **security** of relying on an experienced and dependable liable structure, which will set the goals of its intervention together with you and will take its full share of responsibility.

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