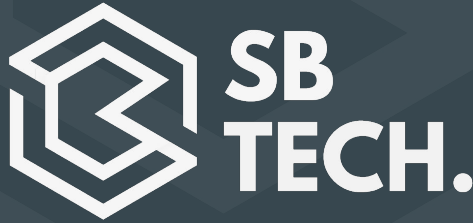




Lenticular Filter Media

...



info@sribharathi.com
www.sribharathi.com



Objective:

Provide state of the art and cost effective filtration system with increased clarity, throughput & zero-maintenance.

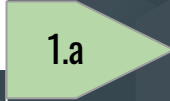


Migration Paths



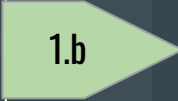
Filter Paper

- Filter paper on Sparklers
- Presently used at plants
- Less clarity
- Less bust factor
- Requires sensitive handling
- Unhygienic and less safety



Filter Pad

- Pulp Filter Pads being used in Sparkler Filters
- Better quality
- Better busting factor
- Better clarity
- Requires sensitive handling



Modular Filter System (SBG)

- Replace the Pads or Papers with Modular system
- Patenting of the innovation/idea in progress
- Best clarity and throughput
- Easy and effective handling





Impossible Comparison



Both used for transportation and
take you to the destination...



...Conventional Sparkler Filtration

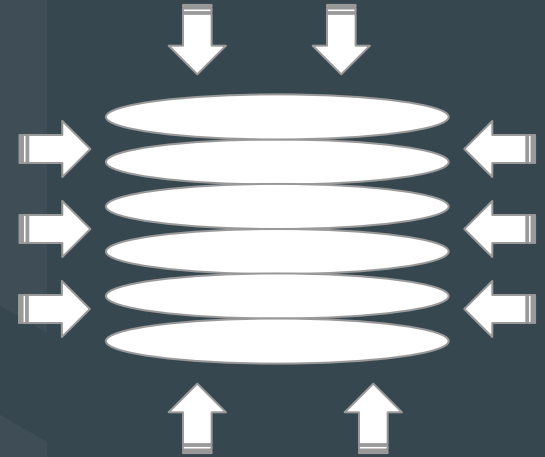
- ❑ 16 individual papers/pads are loaded for one filtration cycle
- ❑ Individual perforated stainless steel sheets support each paper
- ❑ **Liquid filtration flow is unidirectional** - flows from top to bottom
- ❑ Cumbersome handling of individual media and **extended cleaning process**
- ❑ **Risk of contamination** of foreign particles due to handling of individual filter paper/pad
- ❑ **Less safety & error-prone** as the fitment requires tightening 8 rods and respective screws inside the sparkler which increases the risk





...Lenticular Filtration

- ❑ Modular or Lenticular has **larger surface area** for effective filtration
- ❑ **Provides better clarity** to the filtered liquid/chemical
- ❑ **Increased throughput** (total volume of liters filtered)
- ❑ **Improved filtration rate** due to larger surface area
- ❑ **Liquid filtration flow is multidirectional** thus increases the flow rate
- ❑ The lenticular filter has support between its individual pads for backflush



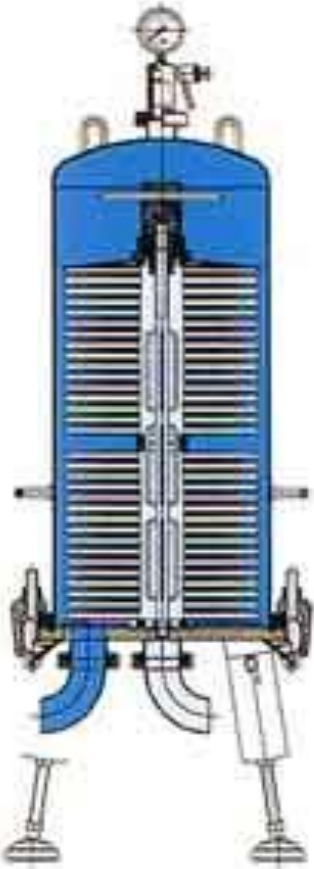


...Lenticular Filtration (continues)

- ❑ **Excels in safety, hygiene, easy-handling and maintenance aspects**
“Provides Hygiene and Safety during handling/fitting as the entire filter system is mounted as one piece against Filter Paper where each paper (16 numbers) will have human contact which increases risk of foreign particle contamination”
- ❑ **One stop solution for all types of liquids** (chemicals, beverages and pharmaceutical)
- ❑ The novel idea of fitment of customized lenticular filter system inside existing standard sparkler filter housing is being patented



...Cross Sectional View - Lenticular Filtration



Cross sectional view with in/out lets



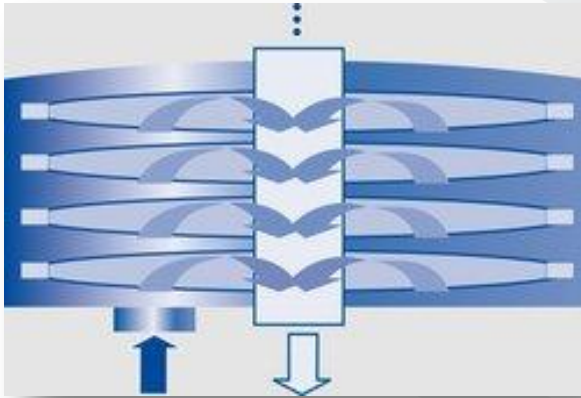
Multi-celled Lenticular/Modular Filters



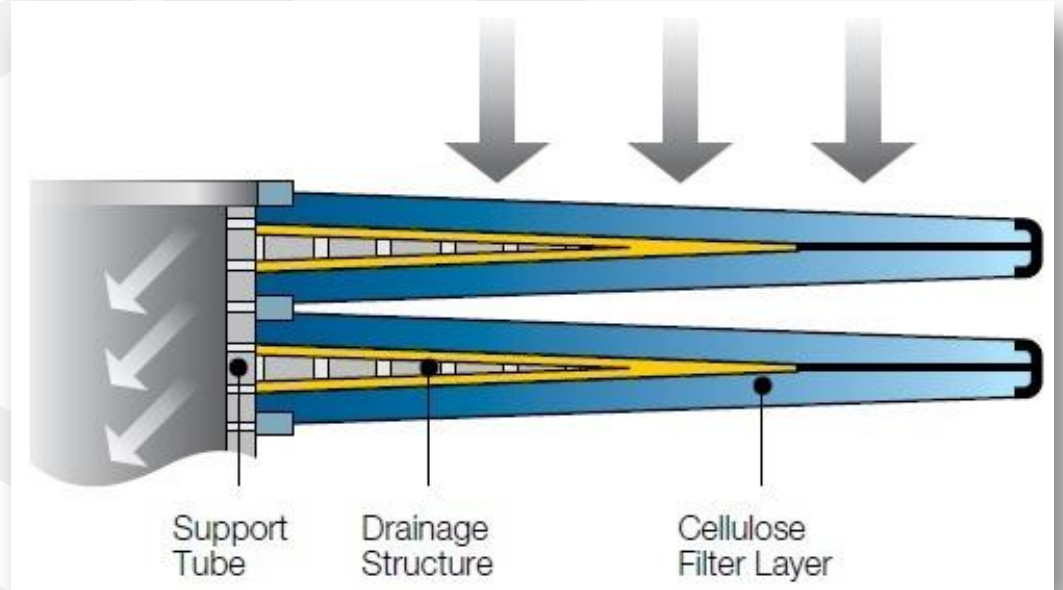
Modular inside Sparkler Filter



...Multi Directional Flow in Lenticular Filtration



Direction of flow

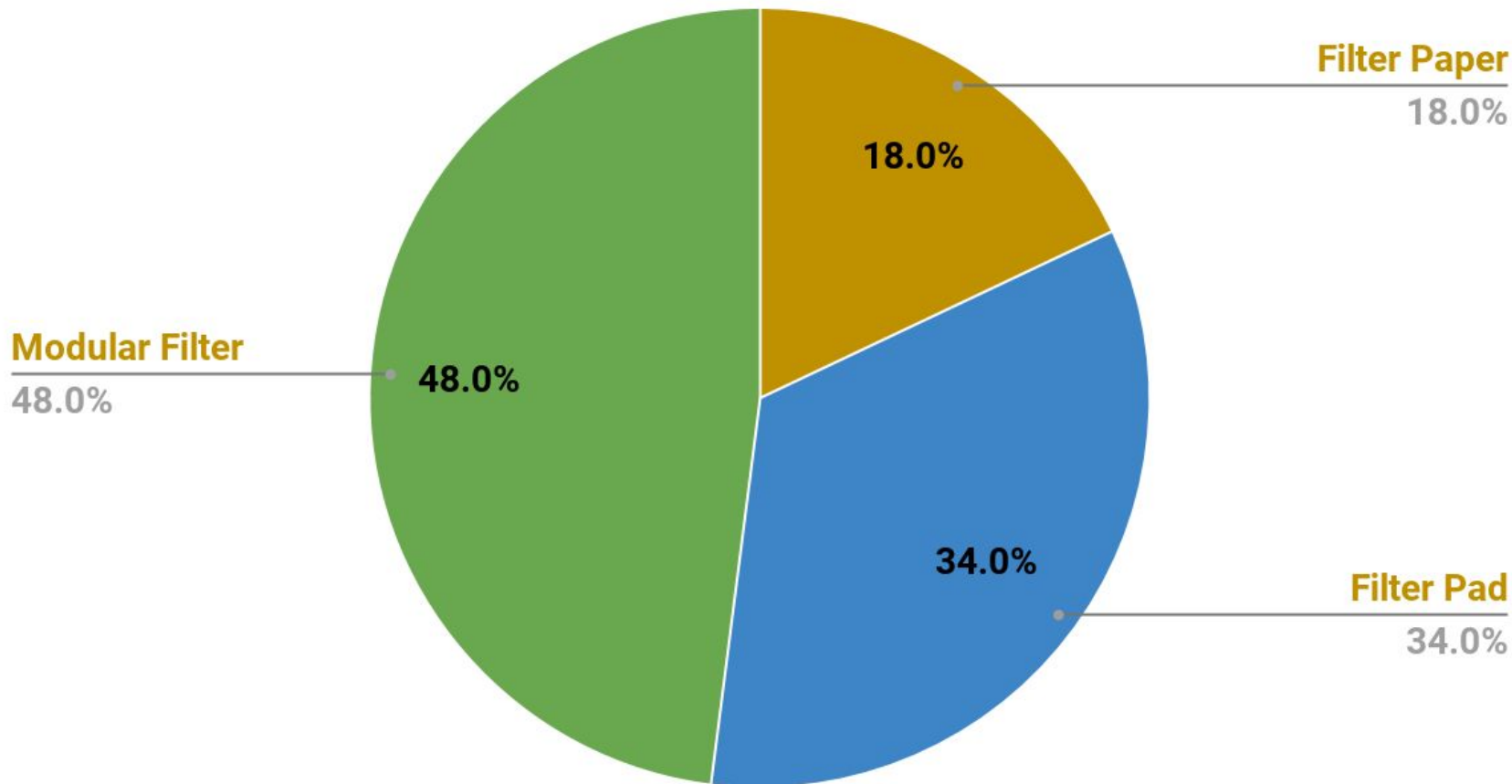


Cross section view



Market Analysis

Filter segment wise market share in distilleries





SB Tech's Advantages



...Competitiveness

- ❑ **Customized solution for** after carefully studying the technical requirements at the customer's plant
- ❑ **Cost savings** through customization to fit your infrastructure
- ❑ Further customization possible based on any specific requirement(s)
- ❑ Easier migration to Modular Filter System from Filter Pads
- ❑ Manufacturer and not reseller
- ❑ **Guaranteed quality** at competitive price



Summary



...In A Nutshell

- ❑ Greater hygiene, safety, maintenance and easy-handling factors
- ❑ Yields improved quality (clarity aspect) of end product
- ❑ Increased throughput due to larger surface area
- ❑ Reduces the pressure on downstream filter cartridges which helps in cutting the cost while increasing the product quality
- ❑ Technology advancement with right blend of quality of services



Thank you!