



### THE COMPANY

The SIEBEC group brings you, through its QUALI-FILTRES product range, a solution adapted to your liquid filtration needs. Our wide range of consumables and equipment allows us to meet all your requirements. As a European group, our production sites are deliberately located in Europe in order to ensure a perfect control of quality and deadlines: France, Germany and Portugal.

The sales structures of the SIEBEC group are present through our subsidiaries in France, Germany, England, Spain, Italy, Portugal and in over 45 countries through our distributors.

200

employees

**15**%

annual growth

35M€

4

2023 revenues

production sites

### **LABORATORY**

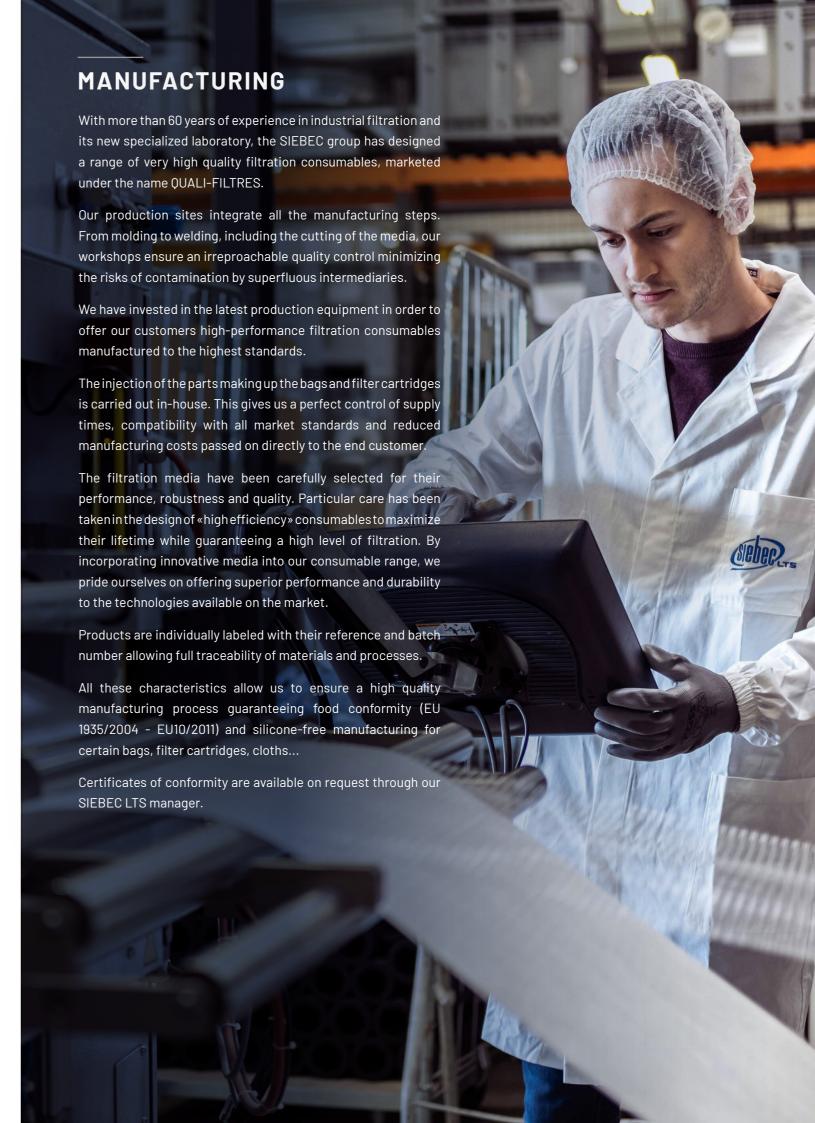


SIEBEC puts its laboratory at your disposal in order to accompany you in a scientific way in your filtration, separation and purification problems. Our engineers and scientists can guide you in reducing your filtration costs or improving the performance of your process.

SIEBEC LTS measurement means: efficiency and capacity of filter cartridges (Beta ratio), particle counting, bacteriological analysis, fouling index, suspended solids, pollution analysis (COD, metals...), laboratory filtration tests to estimate the performance of our media on your liquids...

### **DESIGN OFFICE**

Our design office is able to meet all your specific requirements, from the design to the realization of your filtering elements, filter housings and custom skids.



# **OUR COMMITMENTS**



SIEBEC SUSTAINABLE PROGRAM We take care to design and manufacture products that limit their environmental impact through the use of local recycled raw materials, French manufacturing, recycled and recyclable packaging, and design that maximizes product lifespan.

Every year, we integrate over 50 tonnes of recycled PIR (Post-Industrial Recycled) plastic, such as PP, PE or PA, into our filtration consumables. Produced from industrial waste, this material reduces our dependence on virgin raw materials, while guaranteeing performance comparable to that of new plastic. This initiative also contributes to reducing our carbon footprint by almost 100 tonnes a year, and is fully in line with our circular economy approach.



### **Advice & expertise**

Our experts will assist you in the technical evaluation of your current installations.



### **Quality & performance**

Our products are certified and tested to meet the highest expectations of our customers.



### Free trials

Before adopting our products, test them for free! We will help you set up a protocol.



### Training offered

Come and discover our production lines and participate in our training sessions on good filtration practices.



### The best prices

Our production line management allows us to offer our products at attractive prices.



### Express shipping

Most of our products are available in stock and shipped within 48 hours.



### **OUR MARKETS**



- Recycled water
- Paint and varnishNozzle protection
- Cooling water
- Fire circuit
- · Heating circuit



- · Offshore filtration plants
- Filtration of any type of liquid pH 0 to 14
- Filtration of lubricating oils
- Fuel additive filtrationFiltration of amine solutions



- · Osmosis protection
- Membrane protection
- Membrane washing
- Cooling tower
- Filtration upstream / downstream of softeners
- Resin trap
- Water recycling
- Seawater and brine
- Geothermal energy



- Catalyst recovery
- Polishing of aqueous, alkaline, acid and solvent processes
- Filtration of emulsions and dispersions
- Removal of gel, resin, activated carbon or catalyst in fine chemistry



- Polymer filtration
- Polymerization
- Oil filtration
- Filtration of pre-treatment and degreasing haths
- Bath filtration
- Paint filtration



- Card and chip process
- Electronic etching baths
- · Photochemical polishing
- Pre-filtration & filtration for high purity water



- Filtration of any type of liquid pH 0 to 14
- Recovery of expensive active compounds
- Filtration and purification by carbon treatment
- Sterilizing filtration
- Filtration of active compounds



- Filtration of any type of liquid pH 0 to 14
- Recovery of expensive active compounds
- Vent filtration
- · Sterilizing filtration
- Wine, fruit juice, beer and drinking water filtration



- Preparation of sterile solutions
- Viscous solutions filtration
- Tank vent
- Intermediate preparations
- Alcohol and varnish filtration

### **FILTER BAGS**

High level of quality & finish.

Our range is divided into several families including standard, high-capacity, and high-efficiency bags.

Felt and high-efficiency bags are 100% welded to guarantee the best filtration performance. This construction provides a real improvement compared to sewn bags. The sewing process generates holes within the media and injected rings, causing preferential flow. Conversely, complete welding ensures a 100% tight seal between the media and rings, with no bypass.

The laser cutting process of the media eliminates any risk of contamination. Unlike electric scissors cutting, the laser cauterizes the cutting edge, preventing the fabric from fraying. This technology is perfectly suited to all filter media.

SIEBEC has developed a complete range of injected plastic rings, enabling perfect retrofitting with the biggest brands on the market. We will always find a compatible ring for your existing installation.

### **Chemical Compatibilities**

	Polypropylene	Polyester	PTFE	Nomex®	Nylon
Alkaline	+++	-	+++	+++	+++
Acid	+++	+++	+++	+	-
Oxidizer	-	+++	+++	+	+
Solvent	+	++	+++	+++	++
Tmax(°C)	90	140	260	200	120

+++ Excellent | ++ Good | + Fair | - Non-compatible

# **ADVANTAGES** Custom manufacturing • OEM FILTRATION THRESHOLD 0.5 to 1500 µm **PARAMETERS** Size • Materials • Porosity • Type of ring



### **Available Sizes**

Code	Diameter (mm)	Length (mm)
10	180	450
10W	180	450
20	180	820
20W	180	820
30	260	860
40	260	1070
03	95	230
04	107	230
05	110	230
07	95	385
08	107	385
09	110	385
X100	152	510

### **Ring Shapes**



**Food Compliance** 

Silicone-free



### A wide range of technologies for demanding applications.















<sup>\*</sup> PP: Polypropylene / PF: Polyester / PTFF: Polytetrafluoroethylene / GF: Glass Microfibers

<sup>\*\*</sup> Except for QUALIPOCHE OIL, the bag technologies shown comply with regulations EU 1935/2004, EU 10/2011 and its amendments, EU 2023/2006, and are FDA compliant according to CFR Title 21, parts 177-1520 and 176-170.

# HIGH-FLOW FILTER CARTRIDGES

### High quality & finish.

The QUALI-HIGH-FLOW filter cartridges, designed for food and beverage applications, are manufactured by thermal welding, without glue, ensuring maximum chemical compatibility and eliminating any risk of contamination. Their pleated design with a high-porosity media provides an extended filtration surface, reducing pressure drops while optimizing contaminant retention.

Thanks to their two draining grids ensuring constant pleat spacing, the filtration lifetime and flow rate are maximized. The injected outer cage, made from pressure- and temperature-resistant materials, prevents deformation in the support basket, facilitating cartridge removal even after clogging.

They are available with a wide range of porosities (0.5  $\mu$ m to 90  $\mu$ m) and use various filter media materials, such as multilayer polypropylene for enhanced durability, or glass microfibers with polypropylene support, FDA-certified for food applications.

	Efficiency <sup>1</sup>			Materials				
Code	90%	99,9%	PP	PPX	PE	GF	GFF	GFF+
05	0,2 µm	0,5 µm	•	•				•
1	0,5 µm	1 µm	•	•		•	•	
3	1 µm	3 µm	•	٠				
5	3 µm	5 µm	•	•	•			
10	5 µm	10 µm	•	•				
20	10 µm	20 μm	•		•			
35	20 µm	35 µm	•					
50	25 µm	50 μm	•		•			
90	50 μm	90 µm	•					

<sup>&</sup>lt;sup>1</sup> Filtration efficiencies are determined in single pass according to the modified NFX45-303 test protocol under high-flow operational conditions.



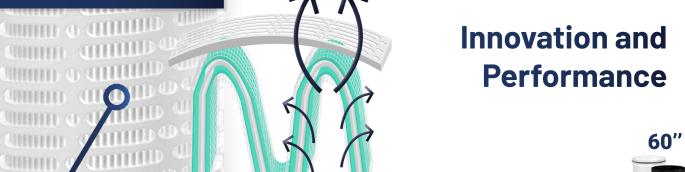




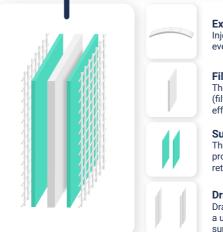
MEDIA COMPOSITION

Food Compliance





**Filtration** 



THE REAL PROPERTY.

THIRD

### **External Structure**

Injected reinforced cage for optimal rigidity and easy extraction, even after clogging.

### Filter Media

The filter media is the layer that ensures the filtration threshold (filtration efficiency). Particular care is taken to select the most efficient media

### Supports (x2)

The supports protect the filter media during the manufacturing process and provide pre-filtration, increasing the cartridge's retention capacity.

### Draining Grids (x2)

Draining grids allow for flow without pressure loss and ensure a uniform distribution of the flow across the entire filtration surface.

# 

### Construction Materials (end cap / external structure)

Code	Material	Max Operating Temperature	Application
QTPR	Recycled Polypropylene	70°C	Industrial - Carbon Footprint Reduction
QTP	Food-Grade Polypropylene	70°C	Food-Grade FDA
QTPE	Polyester	110°C	High Temperature and Solvent

### Available Filter Media Range

Code	Material	Description		
PP	Polypropylene (single-layer)	Standard version with maximum filtration surface – FDA Food-Grade		
PPX	Polypropylene (multi-layer) High-thickness version for extended lifespan – FDA Food-Grade			
PE	Polyester	High-temperature and solvent application		
GF	Glass microfibers + polyester support	Enhanced efficiency and retention capacity for colloidal particles - Industrial application		
GFF	Glass microfibers + polypropylene support	Enhanced efficiency and retention capacity for colloidal particles - FDA Food-Grade		
GFF+	Glass microfibers + polyester support + nanoalumina	Increased filtration efficiency with nanoalumina – FDA Food-Grade		

Contact us for chemical compatibility

# **FILTER MEDIA ROLLS**

Discover our range of non-woven media rolls for band filters.



Optimise your industrial filtration processes with a complete range of filter media rolls.

Designed to perform in a range of environments, these media are available in a variety of materials and specifications to meet the specific requirements of each application.

### **TECHNOLOGY**



# FILTER-PRESS CLOTHS

Custom-made filter-press cloths for various industrial sectors.

Siebec cloths are designed to meet various customer requirements, including plate dimensions, cake weight, particle retention, dryness, and productivity. In collaboration with equipment manufacturers, Siebec has developed a wide range of filter fabrics and also offers customized solutions such as specialized fastenings, fabric or rubber neck, welding, and sealing coatings.

### **CHARACTERISTICS**

- Wide range of materials and weave
- Chemical, mechanical and abrasive resistance
- · Dimensional stability
- Food compliance

#### **WIRE TYPES**

Monofilament

Multifilament

Spun fibers

#### **AVAILABLE MATERIALS**

Polypropylene

Polyester

Nylon 6.6

### **WEAVING**

Plain

Twill

Satin

### **NON-WOVEN FILTER MEDIA & GRAMMAGES**







25 | 32 | 50 | 70 g/m<sup>2</sup>

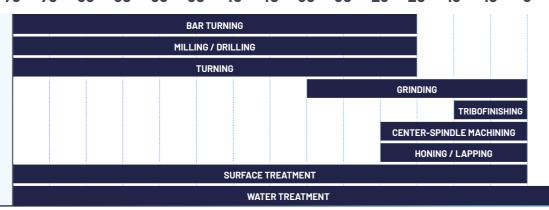


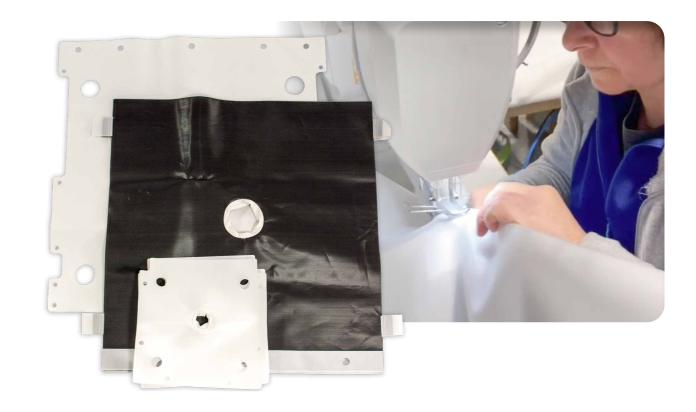


### **APPLICATIONS & NOMINAL RATING**

Nominal rating ( $\mu$ m) 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5







# PLEATED FILTERS AND MEMBRANES

Food Compliance

ACS Certification















<sup>\*</sup> PP: Polypropylene / PE: Polyester / PES: Polyethersulfone / PVDF: Polyvinylidene Fluoride / PTFE: Polytetrafluoroethylene / GF: Glass Microfibers
\*\* Individually Integrity Tested During Production. Compliant with ASTM F838 Recommendations for Microorganism Retention.

### **CONSUMABLES**

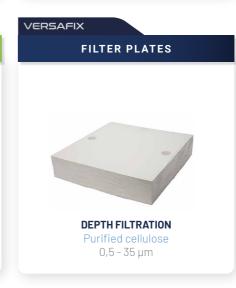
Quali-filtres offers advanced filtration solutions to meet the specific needs of the industry.

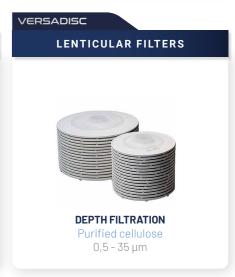


















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<sup>\*</sup> PP: Polypropylene / PE: Polyester / GF: Glass fibers

# FILTER HOUSINGS

Selection of filter housings in stainless steel and polypropylene for filter bags and cartridges



CARTRIDGE AIR / GAS





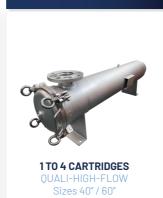






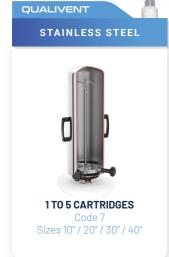


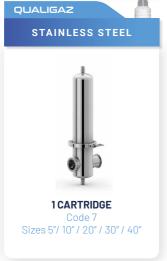




STAINLESS STEEL

QFLC







# **BASKET FILTERS**

Fully modular basket filters according to specific needs.



# **CUSTOM-MADE FILTRATION SKIDS**



# ULTRAFILTRATION SKIDS

Water treatment systems using UF membranes.

Adapted for the treatment of wastewater, surface water, or groundwater, QUALI-UF $^{\text{TM}}$  systems are designed to eliminate all contaminants and provide water that meets industrial process requirements or reuse purposes #REUSE.

Membrane filtration is a pressure-based process that uses a semi-permeable (porous) membrane to separate particles/contaminants from soluble elements contained in a fluid like water.

In QUALI-UF systems, the membranes act as a very fine sieve to retain particles, while water and its soluble components pass through the membrane as filtrate or filtered water. Retained elements are concentrated and then cyclically evacuated from the membrane skid.

The pore size of the membrane and the integrity of the sealing mechanism ensure a precise filtration threshold, enabling the removal of all fine particles, bacteria, and parasitic cysts...

### **Our models**

Model	Number of modules	Maximum instantaneous flow rate	Example dimensions
QUFP-2	2	16 m³/h	Pilot
QUF-5	5	40 m³/h	Skid
QUF-2x8	2 x 8	128 m³/h	20-foot container
QUF-2x16	2 x 16	256 m³/h	30-foot container

Additional modules on request

### **Membrane retention**

Contaminants	Typical removal rates	
Giardia	> 6 log	
Cryptosporidium	> 6 log	
Turbidity	< 0,1 NTU	

### **2025 INNOVATION**



REUSE



### MEDIA

PVDF hollow fiber membrane modules External-to-internal frontal filtration

#### Membrane module

99m² of filtration surface Length 2300mm / Ø 210mm

#### Outlet flow rate

8 m³/h of high-purity water per module

### Pollution treatment

Suspended solids/turbidity • Bacteria • Cysts and oocysts • Viruses • Iron and manganese • Arsenic • Organic matter

### **ADVANTAGES**

Modular design, small footprint

Skid, fixed, or container-based

High-performance filtration thanks to highly permeable membranes

Very large filtration surface per module - 99m²

Extended membrane lifespan

Intuitive touch interface

Remote maintenance

Intelligent diagnostics

### **FLEXIBLE SOLUTION**



The QUALI-UF ultrafiltration systems, available in skid or container versions, offer a modular and high-performance solution for water treatment in the agri-food industry. Pre-assembled and easy to install, they minimize downtime while adapting to different types of water (recycled, wastewater, surface, or groundwater), ensuring high-purity water that complies with industrial standards. With configurations ranging from 2 to 40 modules, these systems can produce up to 7680 m³ of water per day, meeting the diverse requirements of the sector.

# PERFORMANCE AND RELIABILITY

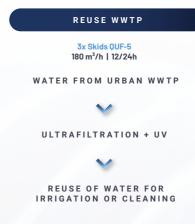
The high permeability of the membrane, combined with a filtration surface of 99m² per module, ensures high flow rates and an extended lifespan. The PVDF structure guarantees optimal mechanical and chemical resistance. These exceptional characteristics enable the design of high-flow skids with a small footprint to meet the challenges of agri-food applications. The intuitive touch interface and intelligent diagnostics simplify management, while remote maintenance optimizes operating costs and reduces interruptions.



Hollow fiber membrane modules

### **Examples of Applications**







# THE STRENGTH OF THE GROUP

For over 60 years, SIEBEC has developed filtration, fluid transfer, and treatment solutions for industry

Find all SIEBEC products at www.siebec.com





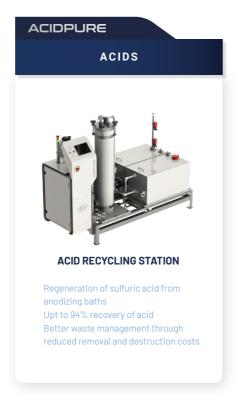
### Extraction & Drainage



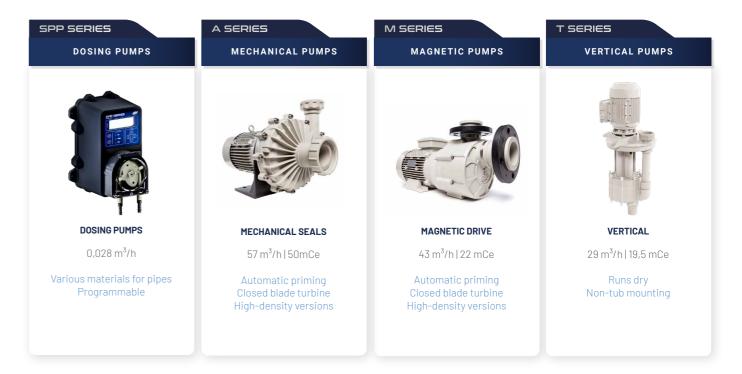
### Fluid treatment







### Fluid transfer





A question? Need advice? Our experts answer you.

Discover our whole range on www.quali-filtres.com

# QUALI FILTRES SIEBEC Group



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### Discover SIEBEC Group



- 4 manufacturing sites (France, Germany and Portugal)
- 6 subsidiaries (France, UK, Spain, Germany, Italy and Portugal)
- 45 resellers across the world