

*Pure filtration
for the
galvanic industry*

Dorsan® is a global leader in the manufacturing of filter media for the galvanic industry. With our presence in France, Germany, India, Mexico and Spain, we aim to be very close to our international customers and markets.



German technology allows us to design the most advanced products and provide our customers with top-quality filtering processes. In addition, we work closely with the main manufacturers of pumps for the galvanic industry, jointly developing the most fitting solutions for all bath types.

Selecting the best filter medium will greatly reduce the cost of chemical products and rejected parts. Filtration is, without a doubt, the most highly valued process at the leading galvanic industry companies.

Our wide range of products and many years of experience in the sector make Dorsan® the best bath filtration choice for companies involved in auto manufacturing, health care, electronics and other highly demanding industries.



**“The German auto industry,
with the highest quality in
the world, trusts Dorsan®
for bath filtration”**



Galvanic industry



Wide selection of formats.
Crepe and Smooth

- No breakage during filtering
- High temperature resistance
- High acidic-alkaline compatibility

Filter Paper

With cellulose and cotton fibres of high purity. They represent the most widely used filter medium in the galvanic industry for their excellent performance and compatibility with the vast majority of baths.

Manufactured with special humidity-resistant agents to prevent undesired breakage during the filter process.

Perfect for filtering baths at 60° or higher where other materials, such as polypropylene, cannot be used.

We offer the possibility to choose between filter papers with filtration adjuncts (diatomaceous earth, activated carbon...) or for direct fine filtration. Different grammages and thicknesses allow us to lengthen filter cycles to the max. We provide the widest range of sizes on the market for pumps by

Mefiag, Siebec, La Fonte, Sager+Mack...

Activated Carbon Filter Paper

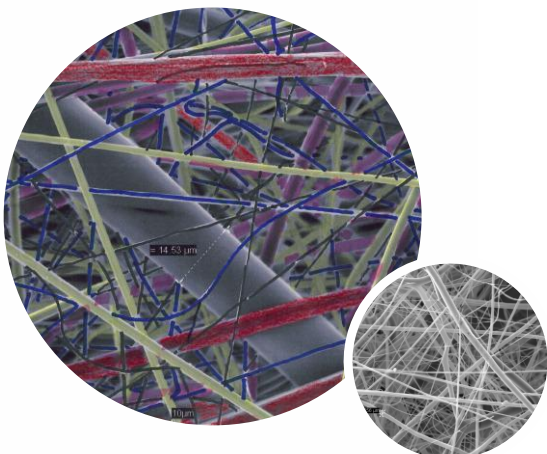
The advantages of **CA-160** and **CA-500** are:

- Eliminate the pre-layer of powdered carbon filter aid.
- Avoid sending activated carbon to decorative baths.
- Reduce organic matter to improve the distribution of high and low density zones in tanks.
- Compatible with process involving zinc, nickel, alloys (Zn/Ni, Zn./Fe), Cu.
- Preventive filtration with activated carbon to prolong transfers to auxiliary vats and use powdered carbon.

CA-160 is the most widely used in galvanic plants around the world (grammage of 160 g/m² and 25% carbon).

CA-500 is highly prized by the manufacturers of galvanised ABS plastics for the auto industry (high grammage 500 g and 50% carbon).

- Cost reduction
- High organic retention capacity
- Long filtration cycles



- Fine filtration
- Extensive chemical compatibility
- Elevated filtration cycles

Polypropylene / Polyester Filter Medium

In industries with very demanding fine filtration requirements or extreme pH levels, filter paper is not enough. For these cases, at Dorsan® we have developed two types of materials manufactured with neither binders nor adhesives and with extensive chemical compatibility. The 100%-polypropylene type can be used for bath temperatures of up to 60°C. For temperatures of up to 120°, the option would be the 100%-polyester type.

They make it possible to obtain a filter quality of up to 0.5 microns in a depth filtration process with elevated filtration cycles and trap inside a large quantity of particles under 1 micron in size. (see photo) Available in any disc format for any filter pump.



Possibility with stainless steel inner tube

- Pre-washed. No foaming
- Porosities from 1 µm to 200 µm
- High chemical compatibility

Wound Filter Cartridges

The use of wound filter cartridges is growing as a supplement to paper filters in the galvanic industry. Their low cost and easy installation make them the perfect ally in filtration processes with high suspended particle contents. Many cartridges on the market contain waxes and oils, which produce unpleasant and costly foam when used.

Dorsan® cartridges do not produce foam in the bath.

Available in **polypropylene, cotton, polyester, or glass fibre** thread and in standard 2.5" or BIG diameter. The most broadly used material is wound polypropylene thread, due to its high chemical compatibility.

Meltblown Filter Cartridges

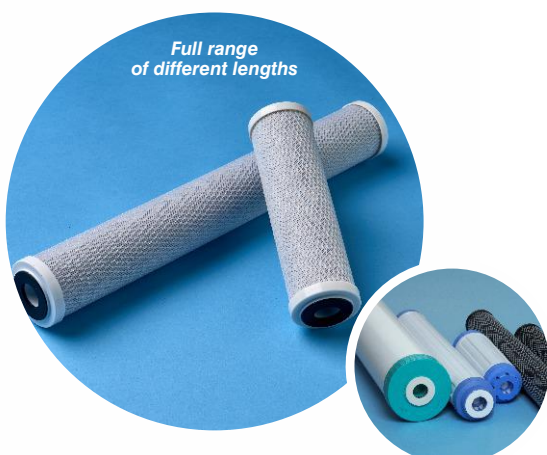
When highly effective depth filtration is needed, Meltblown cartridges represent the best choice. Made with 100% polypropylene fibres, free of any binders or adhesives which may provoke undesired reactions in the bath. Available in absolute and nominal retention options.

Structured in layers of progressively varying porosity to ensure a high contaminant retention capacity, a high flow rate and long use cycles. Possibility of polypropylene inner tube to increase stiffness and resistance to breakage under high pressure.

- Wide range. Measurements from 10" to 50"
- Porosities from 1 µm to 100 µm
- High chemical compatibility



Absolute and Nominal Filtration



Full range of different lengths

- Available in 9 3/4" to 30"
- High organic retention power
- Easy to use and high performing

Activated Carbon Filter Cartridges

Activated carbon is an inert, microporous product that has undergone a treatment to expand its surface. The enormous specific surface area of activated carbon – reaching from 100 to 2,000 m²/g – is what gives this material its high absorption capacity. Available in **different sizes from 9 3/4" to 30"**. Granulated, block or coated cellulose.

With **diameters of 2.5" to 6"** and wide chemical compatibility.



100% PVDF

- Made from 100% PVDF
- High temperature resistance
- High chemical compatibility

PVDF Filter Cartridges

Certain galvanic processes, like in the electronics industry or special chrome baths, require the use of filter media with high purity, strength and chemical resistance. For this reason, we have created a type of cartridge in which the carcass and filter medium are 100% PVDF (polyvinylidene fluoride).

It stands out for its high temperature resistance (up to 150°C) and elevated resistance to acids, bases and solvents). It is highly resistant to chlorine, bromine and UV rays. PVDF is, by nature, a hydrophobic material. To make it easier to use, our filters have been surface treated to endow them with hydrophilic properties.

Filter Bags

In processes which require fast filter changes but are less demanding in terms of filter quality, the use of filter bags is recommended. In galvanic baths, polypropylene filter bags are primarily used due to their wide chemical compatibility up to 80°C. In hotter baths, polyester bags are recommended. Our product line includes various sizes and thicknesses depending on the volume of the bath to filter. We produce our filter bags with polypropylene or steel rings depending on bath features or customer requirements.

- Easy to use
- High chemical compatibility
- Wide range of sizes and thicknesses



- High-purity filter papers
- Wide range of products
- Flat or crepe

Filter Paper

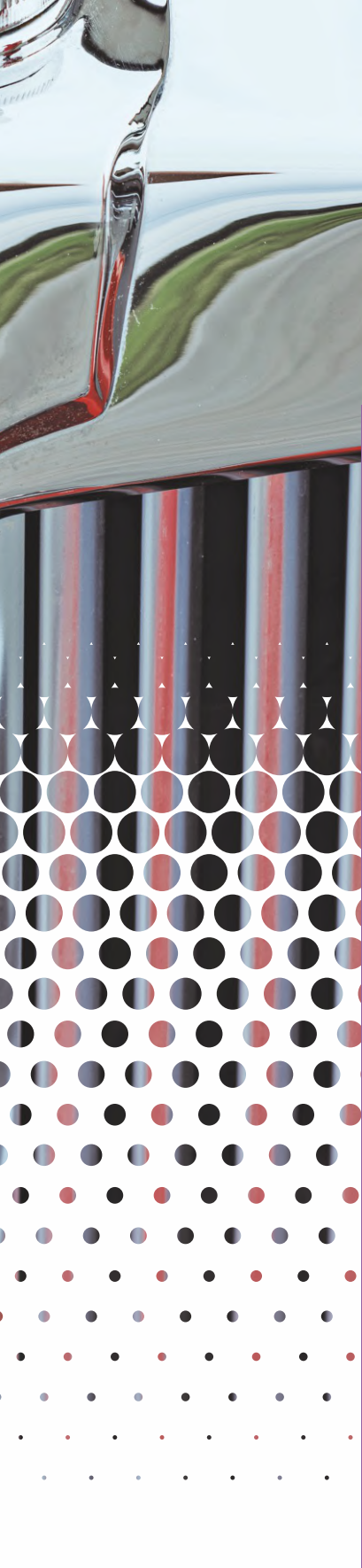
Galvanic industry labs tend to be the site of small filtrations of chemical products and tests on the state of the bath. For these applications, Dorsan® filter papers in crepe filter format or flat discs are the best option on the market. Our wide selection of porosities and sizes is designed to meet the filtering requirements of all our customers.

Spaguetti

Popularly known as SPAGHETTI, these olefinic and hydrophobic polypropylene fibres are chemically inert. They have the property of absorbing the oils and fats present in baths, generally of the alkaline type. They represent effective filtration in the degreasing of chemicals and electrolytes. Their use in the first tank (degreasing) prevents problems in subsequent tanks. Degreasing baths, nickel, zinc, copper baths (very high dirtiness or oil absorption), flow baths in galvanisation, all active baths and pickling baths. In anodising systems: colour baths, sealing baths...

- Less use of chemical products
- Lengthens the useful life of Carbon Activated filters
- Reduction in COD, TOC and DOC levels
- Reduction in metals





DORSAN[®]

LIVING FILTRATION



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