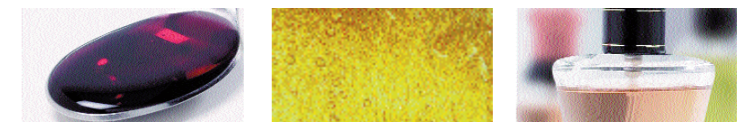
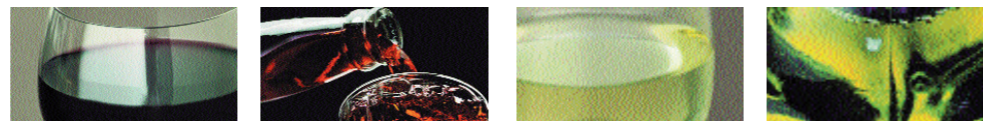
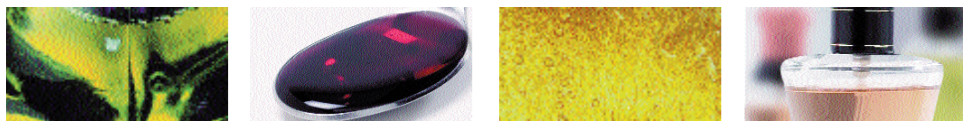




PURITY THROUGH QUALITY™
CARLSON FILTRATION LTD.





Purity through quality™ since 1923

Carlson Filtration Limited is a leader in the field of solid/liquid separation.

Carlson Filtration was established in 1923 by John C Carlson and has been based at Butts Mill in Barnoldswick, England since 1950.



From that time to the present day, the company has developed a strong position in the market place for filtration equipment and filtration media in various forms from depth filter sheets to high

performance cartridges. Carlson Filtration develops, manufactures, markets and distributes a broad range of products to suit all applications. From the whisk(e)y, wine and brewing industries through to the clarification of fruit juices and filtration in the pharmaceutical, chemical and food industries,



Our philosophy and mission

Our philosophy and approach to the way we arrange our business is based on a number of important principles:

OUR MISSION: is to be the acknowledged experts in our chosen field of solid/liquid separation. To achieve this we put the Customer first in everything we do. It is a fundamental principle of our company that it is the profitable satisfaction of our

customers' requirements which ensures our success, growth for our group and reward and security for our employees.

OUR APPROACH TO QUALITY is to provide our customers with products which are consistently fit for their intended purpose



and to achieve this by operating to ISO9001:2000, developing products to meet the changing requirements of our customers and by encouraging a 'produce it right first time' attitude within our company.

OUR RESPONSIBILITY TO THE ENVIRONMENT in which we operate is fulfilled by being a good neighbour to the community of Barnoldswick and beyond. We achieve this by ensuring our operations not only conform to all relevant legislation but also by using operating methods which minimise their impact on the environment. This is achieved through continuous investment in modern process control systems.

PEOPLE ARE OUR MOST VALUABLE ASSET and we invest in the training and development of all our people so that we can achieve our business aims. We are accredited as an Investor in People.

CONTINUOUS IMPROVEMENT in all that we do is the approach we use in all our operations. From the way we deal with customer enquiries, through technical development in our laboratories, process development in our factory, to product



professional in business - experts in our field

Following its successful submission to the United States Food and Drug Administration, Carlson Filtration has been assigned a Type 1 Drugs Master File Number - DMF 14255. This exciting development means that Pharmaceuticals and Speciality Chemicals manufacturers can now use Carlson's Depth Filter Sheets with ever more confidence.

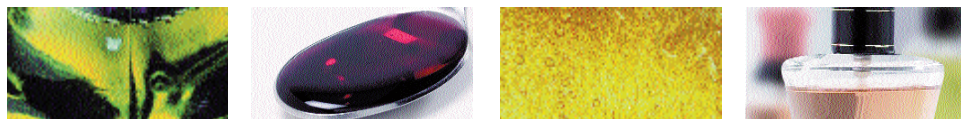
delivery, we are never satisfied. We believe in continuous improvement.



“We are a company built on reputation and with this, we continuously strive to be the leader in solid/liquid separation”



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Carlson's Process Filtration Product Range

- **Process filter cartridges and filter bags** for use in beverage, pharmaceutical, chemical and general industrial applications.
- **Cartridge** availability in most types including wound, resin-bonded, spun-bonded, mesh, sintered and pleated.
- **Filter media** include P.E.S. membrane, glass, polypropylene, cellulose, acrylic, viscose, polyester, nylon, Teflon, activated carbon and stainless steel.
- **Ratings** from 0.1 micron (absolute) to 1,000 microns (nominal).
- **Available in** most end-cap fittings and lengths up to 40".
- **Filter Bags** available in most common felt, multi and mono filament materials, sizes and styles.
- **Bag filter** and cartridge filter housings.
- **Filter papers** to cover a wide range of laboratory and industrial uses.



Carlson's Filter Sheet Range

- **XE range** of filtration sheets – from clarifying to sterile filtration duties.
- **EE range** of sheets – all cellulose fibre sheets.
- **W2 support sheet** – for depth filtration of bulk liquids.
- **NA range** of filtration sheets for use in a broad range of applications.
- **BK sheet range** – for high performance speciality applications.
- **Prop 4** sheets which incorporate PVPP specially for use in beer, lager and wine treatment.
- **Proc 3** sheets which incorporate activated carbon for colour, odour and taste correction.
- **Laboratory** scale single sheet filters.
- **A full range** of plate and plate & frame sheet filters including 20, 40, 60cm., with larger options available.
- **Carlent** lenticular cartridge filters and filter housings.



Large number of applications

BEER & LAGER

W2N Filter Aid Support Sheet

XE200H
XE675H
PROP4

Filtration prior to Polishing or Pasteurising of Beers and Lagers.
Polishing Filtration.
Sterilising Filtration.
Stabilisation of Beers and Lagers.

WINES

W2N Filter Aid Support Sheet
XE20H to 200H

XE400H to 1200H
XE90H
BK Series followed by:
XE90H to 200H

First Racking Filtration
Clarifying Filtration and Final Filtration of Dry Table Wines and Champagne.
Sterilisation Filtration of Wines with Residual Sugar.
Sherry and Brandy Final Filtration (Fortified Wines).
Liqueurs Filtration.

SPIRITS

NA30 to 50 / XE20H - 90H
NA45 to 70 / XE90H - 265H
XE5 - XE350 Double Filtration
NA70 / XE200H - 350

Gin, Vodka (Clear Spirit) Filtration.
Whisky (-12 C) Vat to Vat Filtration.
Whisky (+5 C) Vat to Bottling Line Filtration.
Single Malt Whisky Filtration.

FRUIT JUICES AND SUGAR SYRUPS FOR SOFT DRINKS

EE Series or W2 Filter Aid Support Sheet
PROC3

XE20H to 200H
XE675H

Pre-filtration of Sugar Syrups and Fruit Juices.
Clarifying, De-colouring and De-odourising of Sugar Syrups.
Polishing Filtration of Fruit Juices.
Sterilising Filtration of Fruit Juices & Sugar Syrups.

PHARMACEUTICALS AND COSMETICS

W2N Filter Aid Support Sheet / EE Series
or XE5 to NA40 / XE50H
XE90H to 200H
XE90H to 280H
XE20H to 200H

XE1700H

Medicinal Syrups and Gelatine Pre-filtration
Toiletries / Cosmetics Filtration.
Gelatine Polishing Filtration
Clarifying of Vaccines, Sera, Injection Solutions, Salines etc.
Sterilising or Membrane Protection, Filtration of Vaccines, Sera, Injection Solutions, Salines etc.

CHEMICALS AND WATER

W2N Filter Aid Support Sheet /
EE Series or XE5 to 20H /
XE1700H

Paints, Resins, Varnishes, Solvents Filtration.
Rust, Algae etc. Removal from Process Waters.
Sterilising or Membrane Protection Filtration for Sterile Water.



Purity through quality™ since 1923



CARLSON FILTRATION LTD

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