

SEITZSCHENK® FILTRATION  
PRODUCTS FOR SOFT DRINK  
MANUFACTURERS

*No other segment of the beverage industry offers more choices than the soft drink market. With carbonated sodas, juice drinks, sports drinks, nutritional drinks and bottled water, there's a favorite selection for everyone.*

*A number of impurities can spoil a soft drink's flavor, its appearance and its of these contaminants quality, its effervesce consumer recognition.*



*stability. Effective removal maintains the soft drink's and its favorable*

*SeitzSchenk® offers a complete range of disposable filtration products designed to meet the special needs of soft drink manufacturers.*

*Worldwide, SeitzSchenk is synonymous with technological innovation, high quality filtration products and a strong commitment to our customers.*

*Exceptional products, reliable performance and a knowledgeable support staff — qualities our customers have learned to expect from SeitzSchenk.*

#### THE SOFT DRINKS INDUSTRY

Filtration is used within soft drink processing to improve product quality and to ensure flavor stability. Effective filtration aimed at removing both particulate and microbial contaminants is essential to achieving these requirements.

Key to satisfying the filtration needs of soft drink manufacturers is a strong focus on application knowledge and cost-effective filtration solutions. Systems designed to reduce operating costs and to improve production yields are essential.

At SeitzSchenk, we believe our products and our understanding of soft drink processing is uniquely positioned in the filtration industry. Our expertise is the ability to offer automated and conventional systems requiring fewer filter change-outs and less production down time. Our goal is to provide the most reliable, cost-effective filtration solutions to serve our customers.

Our filtration experts are at your disposal. Please call us at 800-881-4917 and allow us to put our experience to work for you.

#### CUSTOM DESIGNED SOLUTIONS

SeitzSchenk products have been developed over years of direct cooperation with our customers.

The range of cartridge products SeitzSchenk offers soft drinks manufacturers includes trap filters, bottling line filters as well as vent and gas filters. SeitzSchenk manufactures a number of depth filter cartridges, modules and sheets for sugar syrup filtration, flavoring filtration and activated carbon treatment.\* A wide range of membrane cartridges are available for microbial removal applications. Our diverse product line includes automated cartridge filtration systems as well as CMF crossflow microfiltration units for high volume, automated filtration needs.

To minimize production labor requirements, SeitzSchenk offers two automated filtration systems. The VELAcart™ automated system delivers electronically controlled, programmable cartridge filtration. The MICROflow™ cross-flow unit delivers automated microfiltration through cross-flow technology, a SeitzSchenk patented technology and a tool gaining international recognition in juice processing.

#### QUALITY ASSURANCE AT EVERY STEP

The SeitzSchenk Division of Pall Corporation runs a Quality Assurance System based on DIN ISO 9001.

Our products meet the highest quality filtration standards.

Our dedication to uncompromised quality is your assurance of the safety and reliability of all SeitzSchenk products. Even further, our commitment to research and development continues to produce technologies that will expand the boundaries of filtration excellence.



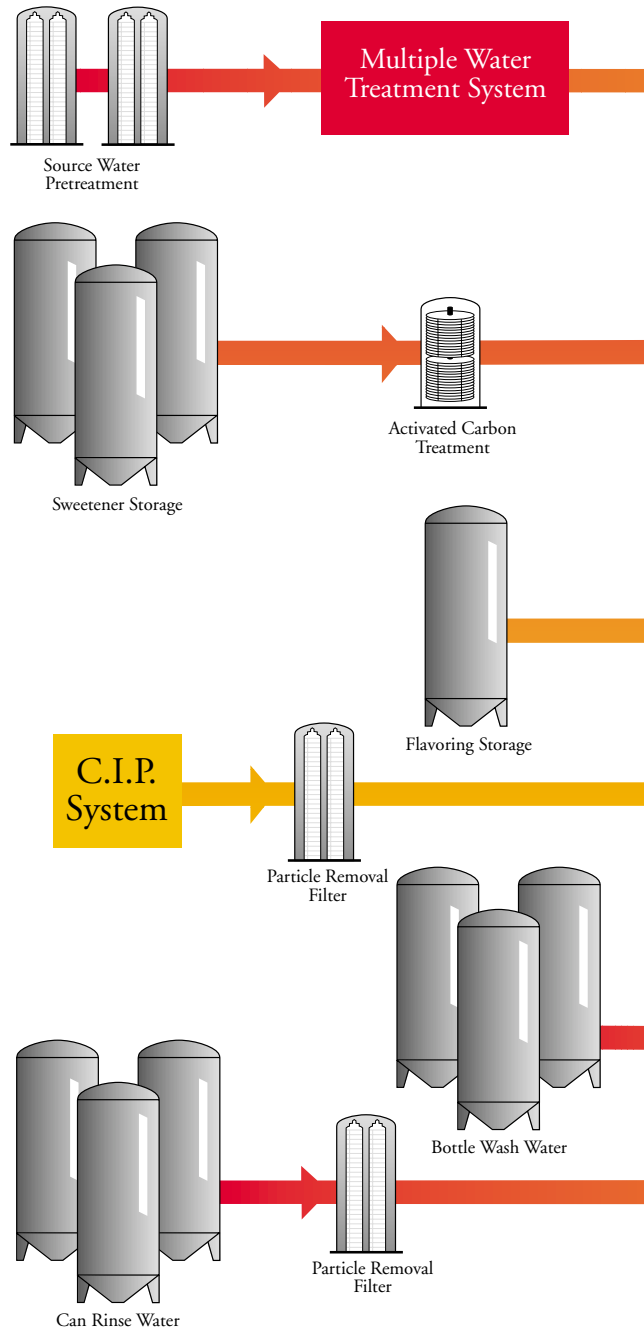
\* Please refer to the SeitzSchenk depth filter brochure and the sweetener brochure for more information.

**SEITZSCHENK PRODUCTS FOR  
SOFT DRINK PROCESSING**

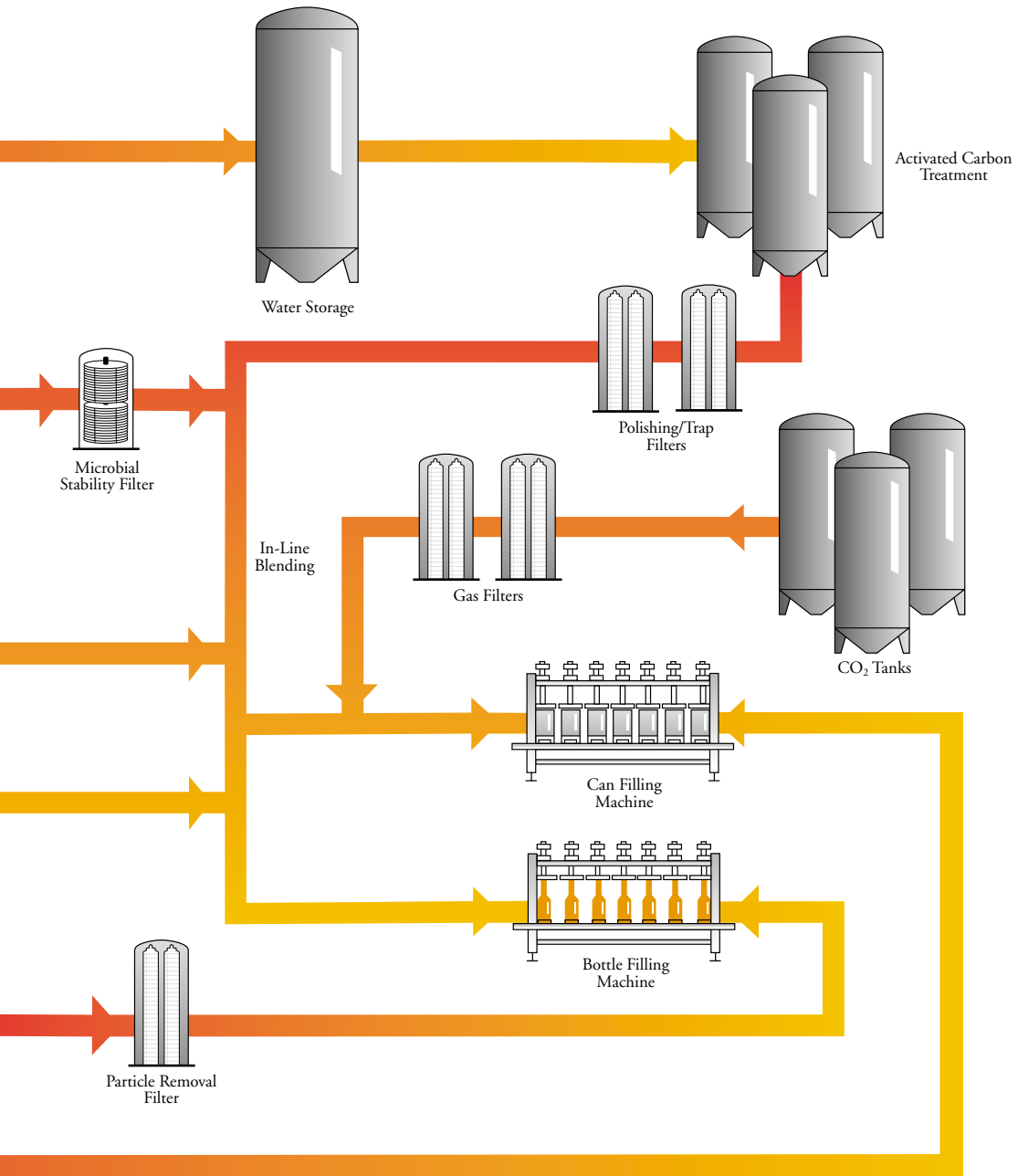
A number of solids separation phases, and therefore, a number of filtration applications, exist throughout the soft drinks manufacturing process. Each filtration step has its own unique set of removal criteria. SeitzSchenk has spent many years studying these applications and developing a complete product line for soft drink manufacturers.



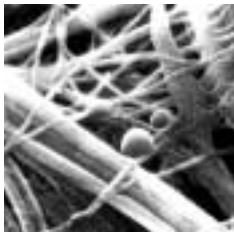
*Let us put our experience to work in your manufacturing plant!*



# FILTRATION APPLICATIONS IN SOFT DRINK MANUFACTURING



SEITZSCHENK PRODUCT	FEATURES AND BENEFITS	
<p><b>PREcart® NXA &amp; NXT Cartridges</b></p>	<p>Melt blown all-polypropylene depth filter cartridges with high dirt holding capacity and good colloidal retention capability. Cost effective polishing trap filter and prefilter to membrane cartridges. Hot water sanitizable.</p>	
<p><b>SUPRADisc® Modules</b></p>	<p>All of the advantages of the filter sheet media enclosed within an easy-to-handle, stacked disc module. Utilizes less production space and filter changes require less production down time. The enclosed system minimizes atmospheric contact with the fluid being processed.</p>	
<p><b>PREcart PPII Cartridges</b></p>	<p>Absolute rated, pleated, all polypropylene depth filter cartridges with a wide range of chemical compatibilities. Backflushable trap filter, chemical cleaner filter or prefilter to membrane cartridges. Steam sterilizable.</p>	
<p><b>PREcart PFT Cartridges</b></p>	<p>Absolute rated, pleated all polypropylene depth filter cartridge with very high contaminant holding capacity and long on-stream service life. Hot water and chemically sanitizable.</p>	



*SeitzSchenk Depth Filter Sheets filter matrix. The filtration effect of depth comes from numerous finely divided maze-like channels and cavities.*



*SeitzSchenk Depth Filter Sheets—microscopic morphology of perlites*



*SeitzSchenk Depth Filter Sheets—microscopic morphology of diatomaceous earth*

**SEITZSCHENK PRODUCT      FEATURES AND BENEFITS**

**PREcart RDF Cartridges**      Absolute rated, high efficiency cartridge filter for air and gas coalescing filtration. Removes moisture, aerosols and particulates from gas stream. Stainless steel components provide long service life. Hot water and chemically sanitizable.



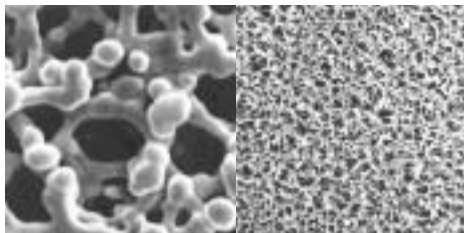
**MICROflow Automated Crossflow Microfiltration System**      Advanced crossflow microfilters for demanding filtration applications. Extremely long-lived, automated, regenerable filtration system with high mechanical stability, high thermal stability, high chemical stability and the ability to continually filter very high concentrations of turbid matter.



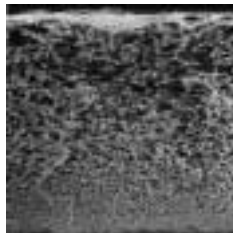
**PRIMALux™ & MEMBRAcart® Membrane Cartridges**      Absolute rated membrane filter cartridges. Available in micron ratings from 0.02 µm to 1.0 µm absolute. Very good resistance to alkalis and oxidizing agents. Excellent membrane stability to repeat steam sterilization cycles. Regenerable membrane cartridges for use as the final filter in gas and fluid applications.



**VELAdisc™ & VELAcart Housings**      Stainless steel filter housings specifically designed for use with Seitz stacked disc modules and cartridge filters. Electrochemically polished, crevice free, for simple and thorough cleaning. Industrial versions also available. Complete range of accessories, fittings and closure options. Can be automated.



*SeitzSchenk polysulfone membrane surface and a magnified view showing its sponge-like structure.*



*Scanning Electron Micrograph: cross section of SeitzSchenk asymmetric membrane media*



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