

# Chemical Filtration

Providing products to meet demanding applications



The Chemical industry employs processes, reactions and refining to produce a wide variety of solid, liquid and gaseous materials. Many are intermediates required for input into agricultural, rubber, plastics, textiles, petroleum and pulp & paper industries. Filtration is critical to ensure the long term life of equipment used in the manufacturing process.

The scope of filtration within the chemical sector is extremely diverse and many factors need consideration such as chemical compatibility, viscosity and operating temperatures. The varied applications can include products that are manufactured in ambient temperatures such as ethylene glycol, which makes the process ideally suited to our range of spunbonded & pleated polypropylene filters. Chemicals that are manufactured from more aggressive solvents will require a filter with componentry such as stainless steel like our Metallic & Prosteel range of filters, which can also withstand high temperature processes.

The flows of industrial process fluids such as water, solvents and chemicals can be subject to numerous filtration, separation and purification stages. Consequently each link in the filtration chain is critical to the strength of the next; the weakest link will break the chain and the process will collapse.

No matter what filtration challenges you may encounter in your chemical production process, Parker domnick hunter can supply products and expertise to help you meet the ever-increasing demand for greater purity, process efficiency and cost effective filtration.

Applications
<b>Chemical</b> Aromatic derivatives Bulk chemical filtration Dyes and pigments Hydrogen peroxide Catalyst recovery DI water filtration Final product clarification Quench water Reactants
<b>Olefins and polyolefins</b> Ethylene glycol Ethylene oxide Polyols  Feedstock filtration Guard filtration Process water Polymer product recovery
<b>Polymer</b> Acrylics Polyester Polyethylene Melt polymer filtration Solvents Feedstocks Pigment slurries Intermediates Spin pack protection





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WE ARE YOUR **'ONE STOP SHOP'** FOR ALL  
OF YOUR FILTRATION REQUIREMENTS

**LIQUID FILTRATION**

- CARTRIDGES
- FILTER BAGS
- VESSELS
- STRAINERS

**AIR FILTRATION**

- VENT FILTERS
- STERILE AIR
- VACCUM
- AIR-CONDITIONING
- FILTER MEDIA

**DOMESTIC**

- ULTRAVIOLET
- TREATMENT OF BOREHOLES,  
SPRINGS & WELLS
- WATER TESTING

**FUEL FILTRATION**

- DIESEL, AVIATION



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*for all your filter requirements*