



aerospace climate control electromechanical filtration fluid & gas handling hydraulics pneumatics process control sealing & shielding





Brewing Industry

A guide to products and services





ENGINEERING YOUR SUCCESS.

Focused on Adding Value to Your Business

Improving quality and control

Supported by innovative products, state-of-the-art technical facilities and a specialized international team, Parker domnick hunter's capability is based on understanding the specific needs of your business and providing a total solution.

Delivering value from brewhouse to bottle

Parker domnick hunter offers a joint approach to beer processing to review and manage your entire process. We incorporate an up-front consultation & assessment to establish your overall goals, as well as a range of after sales packages that ensure the Parker domnick hunter solution is working at maximum efficiency. All aspects that affect your process are taken into account, making small changes that can lead to big results.

Parker domnick hunter Products

Parker offers the broadest range of products in the industry, and our quality control assures that all materials and filters used for contact with foods and beverages comply with current FDA regulations.

Purity that goes beyond Filtration

Developing solutions that support quality in every aspect of your process make us a truly unique supplier who can deliver complete purification of your liquid and gas applications enabling you to have confidence and assurance in the quality of your final product.

Global Support

As a Division of Parker Hannifin Corporation, we have subsidiaries and manufacturing locations worldwide, so we can offer you true global support with local perspective and expertise.

Committed to process improvements

Our goal is to continually improve your productivity, reduce your process costs and ensure the safety of your final product. Parker commits to your goals through:

- Continued investment in research & technology
- Application-driven approach to new products
- Market & geographical experience leading to tailored solutions
- Global network providing technical, service and sales support
- Excellent reputation gained through working with the worlds leading wine producers
- Highly-skilled, experienced and trained employees





Silt Density Index (SDI) Testing

An evaluation of suspended particles and colloids in the water, based on the rate of blockage of a test membrane. Samples are taken over a given period of time to provide an indication of the performance of various treatment stages and the effect on water quality due to seasonal variation.

- Disc trial carried out over 15 minutes
- Multiple samples taken
- Periodic testing to monitor seasonal trends



PSA is a measurement of particle size distribution in water samples using a laser particle counter either on-site or in a laboratory environment. PSA can give an indication of the expected workload of a filter system.

• Helps identify the need for more effective prefiltration protecting downstream membranes



CO, Polishing

The PCO2 system is designed as a quality incident protection unit acting as a point of use vapor 'polisher' and is proven to be effective at removing a wide range of potential CO_2 impurities, such as Benzene, Acetaldehyde & Hydrogen Sulphide.

Under HACCP principles, the quality of CO_2 used at the point of carbonation is defined as a Critical Control Point (CCP) and the installation of PCO2 system at this point will form part of a complete CO_2 quality approach.

Filtration Products for Brewing



Final Filtration BEVPOR

Remove/reduce microorganisms and colloidal species; low adsorp-tion of protein, colors, and flavors. • 0.2µ and 0.45µ PES membrane

- Integrity tested
- Pre-flushed with pharma grade water
- Šteam sterilizable



Culinary Grade Steam STEAM Cleanable 316L ss cartridge.

- Sintered and pleated media
- 1µ to 25µ (1µ meets 3A Standard 609-03)
- Exceptionally high flow rates
- Jumbo version for increased capacity



Clarification **PREPOR & PEPLYN** Graded density media combines

high dirt-holding capacity with high flow rates. • 0.6µ to 100µ

- Excellent particulate retention
- Pleated polypropylene or glass microfiber
- Available in large diameter format

Water & General Fluid Polishing

Parker offers a broad array of products

DEPTH MEDIA & FILTER BAGS

to remove particulates from virtually

Absolute and nominal ratings

any fluid. • Melt blown Cartridges

• Wound Cartridges

- Cotton - Polypropylene

- Nylon - Rayon

- Polyester

Polyester

- Polypropylene - Nylon

• Filter Bags



Sterile Gas & Vent Filtration **TETPOR AIR & BIO-X**

PTFE media for pre-filtration

- sterilization, and bio-security. Removal ratings down to 0.01µ
- Fully validated and integrity tested
- Steam sterilizable to 142°C
- · High Flow and High Temp options



Chlorine Reduction CARBOFLOW

- Activated carbon media adsorbs
- VOC's, chlorine, and odors.High efficiency & general grades
- 5" to 40" lengths
- FDA approved materials



Liquid & Gas FILTER HOUSINGS

Parker domnick hunter have a range of single and multi-round cartridge housings, designed to Food & Beverage Industry standards; based on ASME code. Housings are available in both standard and plus versions to suit individual application requirements. • 316L ss

- Multi-element liquid housings 3 to 30 round
- Temperature, Pressure and Surface Finish options to suit most application requirements



Integrity Test Equipment LIQUID & GAS

A full range of instruments specifically designed for the Food & Beverage

- Industry. VALAIRDATA II Aerosol challenge test of sterile
- gas filters
- BEVCHECK
- Handheld unit tests pressure decay of membrane filters
- BEVCHECK PLUS Includes built-in printer

Additional system components available through other Parker Divisions



OIL -X EVOLUTION Compressed air filters



ANALYTICAL GAS GENERATORS Laboratory Gas



Desiccant dryers



MIDIGAS & MAXIGAS Nitrogen gas generators



ES2000 SERIES Oil / water separators



WS WATER SEPARATORS Bulk liquid removal



HYPERCHILL Precision chilled water



PC02 Carbon dioxide polishing systems

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