



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





Beverage Industry

A guide to products and services





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 source to bottle

The Purecare programme represents a joint approach to beverage processing to review and manage your entire process. The Purecare package incorporates 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. Purecare takes into account all aspects that affect your process, making small changes that can lead to big results.

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

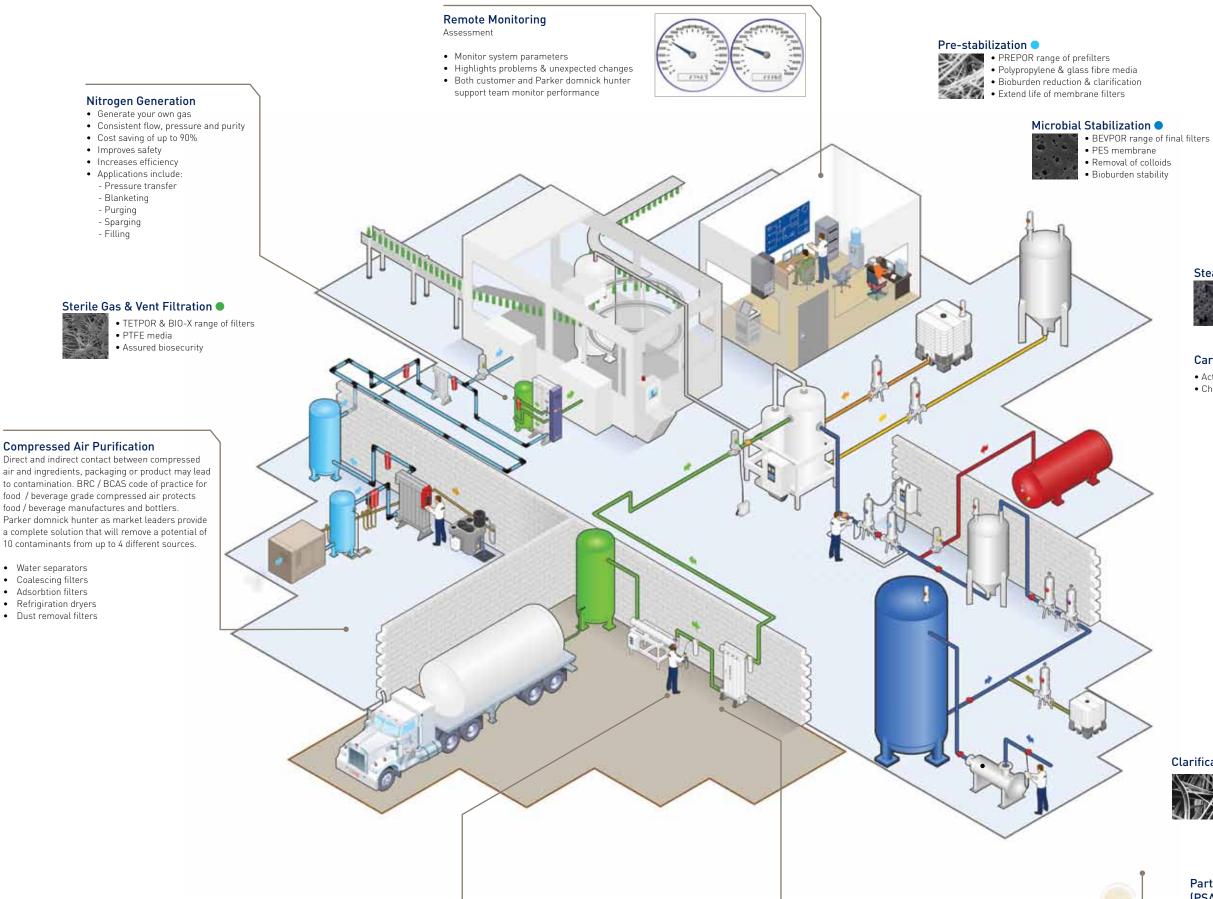
Part of the \$10 billion Parker Hannifin corporation, we have subsidiaries in 25 countries worldwide with nine manufacturing locations, so we can offer you truly global support with a local perspective and expertise.

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 domnick hunter commit 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 beverage companies
- Highly skilled, experienced and trained employees





Purecare

Extended service and after-sales support packages are available for both compressed air and CO₂ purification. Purecare ensures confidence that your long-term supply operates at maximum efficiency and minimum cost.

purecare

- Extended warranty programs
- Preventive maintenance kits
- Factory trained and certified service technicians
- Local training
- Global support network

CO, Polishing

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

Under HACCP pronciples, the quality of CO₂ 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 CO₂ quality approach.

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

Particle Size Analysis

(PSA) Testing

Clarification ●

Steam •

Carbon • Activated carbon

Culinary grade steam

downstream filters

Filter Integrity Testing •

Integrity testing of sterile grade filters is a fundamental

requirement of critical process applications ensuring the

biological safety, quality and shelf-life of the product that reaches the customer. Parker domnick hunter provide a range of

protocol that fits well into a HACCP framework.

• Pressure decay testing of membrane filters

• Aerosol challenge of sterile air filters

• PEPLYN range of liquid filters Polypropylene media • Effective particulate removal Available in large format diameters

instruments suitable for beverage applications providing a test

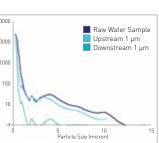
• Chlorine and chloroform reduction

• Steam to meet (3A Standard 609-03)

• Protects pipe-work, equipment and

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



Products



BEVPOR

Final Stabilization

The BEVPOR PES range of filters from Parker domnick hunter provides microbial stabilization that extends shelf-life whilst maintaining colour and flavour of the final product.

• 0.2 - 1.2 microns

- PES membrane filters Regeneration for extended service life
- Bioburden stability



PEPLYN

Clarification & Prefiltration

The PEPLYN range of filters from Parker domnick hunter utilizes a graded density polypropylene depth media providing high dirt holding capacity with high flow rates.

- 3 to 100 microns Large diameter format PEPLYNMAX
- Excellent particulate retention



PREPOR

Pre-Stabilization

Prefiltration liquid filters that provide high efficiency removal of spoilage organisms and yeast removal, providing economic stabilization of your product and protection to final membrane filters.

- 0.6 to 1.5 microns
 Available in glass fibre and polypropylene media
- High filtration area
- High dirt holding capacity

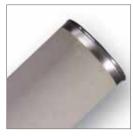


CARBOFLOW

Carbon Filters

Activated carbon filters are offered in both high efficiency and general grades. Utilizing FDA approved materials they are ideal for chlorine reduction.

- Available in 2 grades 5" to 40" lengths
- Excellent adsorptive capacity



STEAM

Culinary Grade

Sintered & pleated steam filters from Parker domnick hunter are designed to provide culinary grade steam. That protects pipe-work, equipment and downstream filters. The 1 micron version guarantees steam to (3A Standard 609-03)

- 1 to 25 microns Re-cleanable 316L
- stainless steel
 Exceptionally high flow rates
- Jumbo version for increased capacity



TETPOR AIR

Air / Gas Filters

TETPOR AIR sterilization filter cartridges offer exceptional filtration performance whilst providing the highest levels of biosecurity throughout the process

- industry.
 High voids volume PTFE
- membrane Assured biosecurity with absolute rated filtration
- High flow rates with low pressure drops
- Steam sterilizable to 142 °C (287.6 °F)
- Unique prefilter layer



BIO-X

Air / Gas Filters

BIO-X II air sterilization filter cartridges utilize a borosilicate glass microfibre media. This media has proven to be particularly effective in the removal of sub-micron particles as small as 0.01 micron, therefore ensuring the removal of all micro-organisms including bacteria and viruses.

- High temperature operation 200 °C (329 °F)
- Robust construction



HOUSINGS

Liquid & Gas

Parker domnick hunter have a range of single and multi-round cartridge housings, designed specifically for use in food and beverage applications. Housings are available in both standard and plus versions to suit individual

- application requirements.Multi-element liquid housings 3 to 30 round
- Industrial vent housings Flow efficient sanitary air
- housings



INTEGRITY TEST EQUIPMENT

Liquid & Gas

Parker domnick hunter have a range of instruments that have been specifically designed for your industry. All instrumentation is supported by our global team of service engineers and support technicians.

• VALAIRDATA II

- Aerosol challenge testing of
- sterile gas filters BEVCHECK
- Hand held unit testing pressure decay of membrane filters BEVCHECK PLUS
 - Built-in printer provides printed test report



MIDIGAS & MAXIGAS

Nitrogen gas generators

Nitrogen gas generators produce on-site nitrogen gas from compressed air and are the cost-effective alternatives to traditional nitrogen sources for multiple applications. Excellent energy efficiency and a low life-cycle ownership cost facilitate considerable cost

- savings of up to 90%.
 Low life-cycle ownership cost and elimination of costs. associated with a cylinder supply
- On-demand functionality limits waste
- Energy efficient; operates from a small compressor



WS WATER SEPARATORS

Bulk liquid removal

Providing efficient bulk liquid removal at all flow conditions, OIL-X EVOLUTION WS Water Separators also minimize energy consumption and help reduce your carbon footprint.

- Tested in accordance with IS08573.9
- Performance independently verified
- Low pressure loss / low operational cost



OIL-X EVOLUTION

Compressed air filters

Providing air quality that meets or exceeds the requirements of ISO8573-1, the international standard for compressed air quality, OIL-X EVOLUTION is also the most energy efficient compressed air filter in the world, helping to reduce

- your carbon footprint.

 The most energy efficient filters available High quality IS08573.1:2001
- Running costs that start low and



PNEUDRI

Desiccant dryers

Providing water vapour removal in accordance with Classes 1, 2 & 3 of ISO8573-1 the international standard for compressed air quality, PNEUDRI modular compressed air dryers offer unrivalled performance, flexibility and expandability in a unique space saving design. Low operational costs and integrated energy management systems also ensure energy consumption is kept to a minimum.

- Highest quality air
- Totally stops corrosion / damage Low installation costs
- Energy efficient



HYPERCHILL

Precision chilled water

Hyperchill maximizes productivity and minimizes costs, as well as easy conformity to regulations on water quality. Hyperchill is the perfect solution to industrial chilled water needs.

- Increases productivity,
- reduces costs Adaptable to individual customer needs



PC₀₂

Carbon dioxide polishing systems

Providing quality incident protection for beverage grade carbon dioxide, PCO2 offers protection against carbon dioxide contamination and impurities of up to 10 times the allowable levels.

- Ensures compliance with quality guidelines published by the International Society for
- Beverage Technologies (ISBT) Protects drinks manufacturing processes from vapour impurities

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,

Dubai

Tel: +971 4 8127100 parker.me@parker.com

AT – Austria, Wiener Neustadt Tel: +43 (0)2622 23501-0 parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt

Tel: +43 (0)2622 23501 900 parker.easteurope@parker.com

AZ – Azerbaijan, Baku Tel: +994 50 2233 458 parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles Tel: +32 (0)67 280 900 parker.belgium@parker.com

BY - Belarus, Minsk Tel: +375 17 209 9399 parker.belarus@parker.com

CH - Switzerland, Etoy Tel: +41 (0)21 821 87 00 parker.switzerland@parker.com

CZ - Czech Republic, Klecany Tel: +420 284 083 111 parker.czechrepublic@parker.com

DE - Germany, Kaarst Tel: +49 (0)2131 4016 0 parker.germany@parker.com

DK - Denmark, Ballerup Tel: +45 43 56 04 00 parker.denmark@parker.com

ES - Spain, Madrid Tel: +34 902 330 001 parker.spain@parker.com

FI - Finland, Vantaa Tel: +358 (0)20 753 2500 parker.finland@parker.com

FR – France, Contamine s/Arve Tel: +33 (0)4 50 25 80 25 parker.france@parker.com

GR – Greece, Athens Tel: +30 210 933 6450 parker.greece@parker.com

HU - Hungary, Budapest Tel: +36 1 220 4155 parker.hungary@parker.com **IE - Ireland,** Dublin Tel: +353 (0)1 466 6370 parker.ireland@parker.com

IT – Italy, Corsico (MI) Tel: +39 02 45 19 21 parker.italy@parker.com

KZ – Kazakhstan, Almaty Tel: +7 7272 505 800 parker.easteurope@parker.com

NL - The Netherlands, Oldenzaal Tel: +31 (0)541 585 000 parker.nl@parker.com

NO - Norway, Asker Tel: +47 66 75 34 00 parker.norway@parker.com

PL - Poland, Warsaw Tel: +48 (0)22 573 24 00 parker.poland@parker.com

PT - Portugal, Leca da Palmeira Tel: +351 22 999 7360 parker.portugal@parker.com

RO – Romania, Bucharest Tel: +40 21 252 1382 parker.romania@parker.com

RU - Russia, Moscow Tel: +7 495 645-2156 parker.russia@parker.com

SE - Sweden, Spånga Tel: +46 (0)8 59 79 50 00 parker.sweden@parker.com

SK - Slovakia, Banská Bystrica Tel: +421 484 162 252 parker.slovakia@parker.com

SL – Slovenia, Novo Mesto Tel: +386 7 337 6650 parker.slovenia@parker.com

TR - Turkey, Istanbul Tel: +90 216 4997081 parker.turkey@parker.com

UA – Ukraine, Kiev Tel +380 44 494 2731 parker.ukraine@parker.com

UK – United Kingdom, Warwick Tel: +44 (0)1926 317 878 parker.uk@parker.com

ZA – South Africa, Kempton Park Tel: +27 (0)11 961 0700 parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario Tel: +1 905 693 3000

US – USA, Cleveland Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill Tel: +61 (0)2-9634 7777

CN - China, Shanghai Tel: +86 21 2899 5000

HK - Hong Kong Tel: +852 2428 8008

IN - India, Mumbai Tel: +91 22 6513 7081-85

JP - Japan, Tokyo Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul Tel: +82 2 559 0400

MY - Malaysia, Shah Alam Tel: +60 3 7849 0800

NZ - New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore Tel: +65 6887 6300

TH - Thailand, Bangkok Tel: +662 717 8140

TW - Taiwan, Taipei Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires Tel: +54 3327 44 4129

BR - Brazil, Sao Jose dos Campos

Tel: +55 12 4009 3500 **CL – Chile,** Santiago Tel: +56 2 623 1216

MX - Mexico, Apodaca Tel: +52 81 8156 6000

VE – Venezuela, Caracas Tel: +58 212 238 5422 2010.00.30

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Parker Hannifin Manufacturing Ltd domnick hunter Process Filtration - Europe Durham Road

Birtley, Co. Durham DH3 2SF, England phone +44 (0)191 4105121 fax +44 (0)191 4105312

email: dhprocess@parker.com www.parker.com/processfiltration Parker Hannifin Corporation domnick hunter

Process Filtration - North America

2340 Eastman Avenue Oxnard, California, USA 93030 toll free: +1 877 784 2234

phone: +1 805 604 3400 fax: +1 805 604 3401

email: dhpsales.na@parker.com www.parker.com/processfiltration