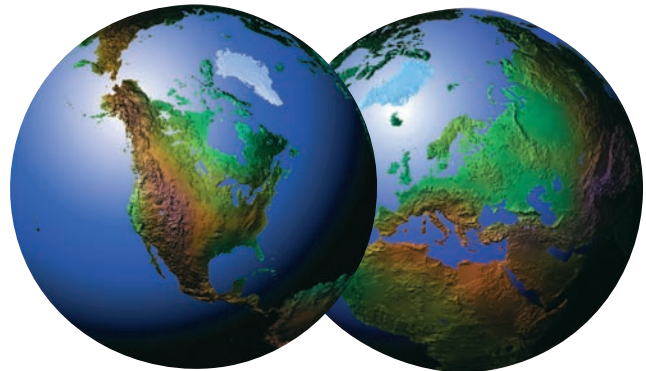


Parker Balston Custom Product Capabilities

Commitment

Parker Hannifin Corporation is dedicated to providing new and innovative filtration and gas purification technology for use in the most demanding industrial and scientific applications. As a technology leader, our organization is committed to developing, manufacturing and marketing superior quality products and services worldwide.



Quality

We are very proud of our worldwide reputation for quality. Quality is our first priority from the day we discover the need for a new filtration product to the day you install the new product in your system. Parker Hannifin Corporation is an international organization specializing in high quality filter products and related separation equipment. Balston products have an outstanding reputation for quality and uniformity that has established the Balston brand as an accepted standard for industrial filtration. Balston products are all manufactured at facilities approved under ISO 9001 standards.

Let Parker Hannifin Corporation review your OEM product requirements, we'll save you money while providing flexible engineering, exceptional service and a team focused on the OEM customer and needs.

Customer Driven

- Competitive pricing
- Fast deliveries
- Flexible blanket terms to maximize your cost savings
- Sample programs that enable you to test with minimal risk
- Trial programs
- ISO 9001 Certified
- Global Service and Support

Filter Media



Balston
Filter Media

**High efficiency particulate filtration from
75 micron to 0.01 micron**

Wide range of sizes and flow rates available

Cost effective, self sealing designs

Efficiencies from 93% to 99.9999%

For use in gas or liquid streams

Minimal pressure drop

Filter Media

Balston branded filter media has been manufactured in the USA for over thirty years. Our capabilities and expertise are unmatched throughout the world. Balston filter media is available in a wide range of custom sizes and configurations as well as hundreds of standard designs. We can assist in identifying your needs and offer suggestions on the best way to meet your application requirements. If you have a custom size requirement, we can develop a product that meets your needs.

Parker Hannifin Corporation has an extensive range of materials to suit the different applications you might encounter. More importantly, we have the expertise to formulate these materials into the high efficiency media you need for your application. Our technology also enables us to develop and formulate media from new materials every day.

Challenge Parker Hannifin Corporation with a specific efficiency and flow characteristic, if we do not already manufacture a grade that suits your needs...we'll develop one utilizing our team of knowledgeable engineers and scientists.

Custom Parameters

Media shape:	Cylindrical, flat sheet
Element sizes:	Dia. from 1/2" to 3" Lengths from 1/2" to 20"
Filtration efficiency:	80% to 99.9999%
Particulate removal:	75 micron to 0.01 micron
Sealing mechanisms: compression;	Self sealing, axial endcaps
Temperature range:	-150°F to 900°F (-65°C to 482°C)
Materials of construction:	Glass fiber, quartz fiber, polyolefins, high perfor- mance polymers, activated carbon fiber, -PVDF, PTFE

Applications

General purpose compressed air filtration
Instrument air filtration
Protection of pneumatic control components
Bacterial removal from air for food, medical, and dental use
Protection of pneumatic process equipment
Filtration of samples to analyzers
High purity liquids
Bacteria and parasite removal from water

Disposable Filter Units



Balston
Disposable Filter Units

Compact in-line design

Available with liquid drain port and various indicators

Wide range of filter efficiencies

Resistant materials of construction

Pressures up to 125 psig

Lightweight, cost effective

Choice of port size and configuration

Custom Parameters

Fitting configuration:	Tube ends Threaded ports O-ring barbed seal
Filter sizes:	Dia. from 1/2" to 3" Lengths from 1" to 6"
Filtration efficiency:	80% to 99.9999%
Particulate removal:	50 micron to 0.01 micron
Temperature range:	0°F to 250°F (-7°C to 121°C)
Materials of construction:	Nylon, PVDF, Polypropylene

Disposable Filter Units

Parker Hannifin Corporation manufactures the Balston branded Disposable Filter Unit (DFU) which incorporates our extensive media capability with a small, inexpensive, disposable housing. This unique design was introduced to the filtration industry over 20 years ago. Balston DFU's are available in custom sizes and configurations as well as standard designs. A wide range of filter media is available to configure application specific filtration. We can also design a disposable filter housing that suits your application needs.

Parker Hannifin Corporation pioneered oil indicating technology over 15 years ago. We have recently developed new indicators to monitor the condition of various fluid streams. For instance, bacteria indicators for food, medical and dental applications and moisture indicators for air lines.

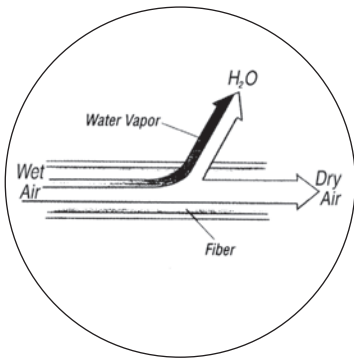
Applications

- Protection of pneumatic controls
- Instrument air filtration
- Filtration of samples to analyzers
- Indication of moisture, oil, or bacteria present in air or gas

Membrane Air Dryers



**Balston
Membrane Air
Dryer Modules**



Water vapor quickly permeates the membrane, and is released harmlessly to atmosphere. Air flows along the membrane fiber as a separate product stream.

Custom Parameters

Dewpoints:	50°F to -40°F (10°C to -40°C)
Pressures:	40 psig to 150 psig
Flow rates:	1slpm to 100 scfm
Module sizes:	Dia. from 5/8" to 3" Lengths from 8" to 30"
Port sizes:	1/8" to 1/2" NPT
Private labeling available	

State-of-the-art membrane technology

No electricity required, no moving parts

Dewpoints as low as -100°F (38°C)

Explosion proof

Silent operation

No desiccant to change

No refrigerants or freons

Membrane Air Dryers

Parker Hannifin Corporation's OEM customer support team will propose a convenient and cost effective solution to your air drying requirement. Balston Membrane Air Dryers are small, lightweight, and economical.

Using our state-of-the-art membrane manufacturing capabilities, Parker Hannifin Corporation is able to quickly respond to any customer's requirements. Our ability to meet customer requirements extends beyond flow, pressure, and dewpoint. Parker Filtration is able to address needs concerning size, inlet and outlet port configuration, air consumption, private labeling, product literature, installation manuals, and custom color. Our compact membrane modules range from 5/8" dia. X 12" long up to 3" dia. X 40" long, and can handle flows from 1slpm to 100 scfm.

As the value leader, we have merged our superior coalescing technology with a proven, innovative membrane system capable of supplying oil and particulate free, dry compressed air to dewpoints as low as -40°F (-40°C) and beyond.

Applications

- Low dewpoint instrument air
- Prevention of freeze-ups
- Purging electronic cabinets and environmental chambers
- Dry air to power air bearings
- Dry air for spray applications
- Dry air for medical and dental applications

North America

Engine Filtration

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fax 662 274 2118
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Racor Division
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Beaufort, SC 29906
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Compressed Air Treatment

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Hydraulic Filtration

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