INTRODUCTION

PRODUCT LINE OVERVIEW

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- Clariflow G Cartridges
- Clariflow WS Cartridges

PLEATED FILTERS
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- PolyMate Plus Cartridges
- PolyMate Cartridges
- Claripor Cartridges
- Glass-Mate Cartridges
- Fulflo PCC Cartridges
- Fulflo 336 Pleated Cartridges
- Fulflo 1401 Pleated Cartridges
- Flo-Pac Pleated Cartridges
- Flo-Pac Plus Pleated Cartridges

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- Mega-Flow Plus
- MaxGuard
- ParMax

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- Avasan
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- Probond
- Honeycomb HFT
- SWC
- XTL

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- Fulflo Retainer Basket
- Fulflo Basket Strainer

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- Trubind 700
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METALLIC MEDIA SERIES
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- Fulflo B Series Vessels
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- Fulflo M Series Vessels
- Fulflo LT Series Vessels
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- Fulflo HT Filter Vessels
- Fulflo S Filter Vessels
- Fulflo MP Filter Vessels
- Fulflo Mega Flow Filter Vessels
- Fulflo FE Filter Vessels
- Fulflo FP Filter Vessels
- Fulflo CPM Filter Vessels
- Fulflo P Filter Vessels

BAG FILTER VESSELS SERIES
- Fulflo SB Filter Vessels
- Fulflo FB Filter Vessels
- Fulflo CB Filter Vessels
PARKER
Leader in process filtration, separation and purification

Parker process filtration products set the highest standards for filtrate quality, product reliability and cost-effective use. Parker products provide optimal solutions for food and beverage applications. Parker products are available in lengths from 4 to 40 inches and configurations to retrofit all commonly installed filter housings. Products are offered in membrane and depth media with a full range of cartridges, mini-cartridges and capsules to meet production-, pilot- and laboratory-scale requirements. Removal ratings from 0.02 to >800 µm are available. All Parker products are backed by in-depth Technical Support, fast order turnarounds and factory-trained local Distributors.

APPLICATIONS

Parker industrial filtration products are optimized for:

- Chemicals
- Inks
- Paints
- Coatings
- DI Water
- R.O. Prefiltration
- Water Injection
- Magnetic Media
- Petrochemicals
- Specialty Chemicals
- Bacteria Removal
- Prefiltration
- Venting
- Steam Filtration
- Gel Removal
- Haze Removal
- Sediment Removal
- Clarification

QUALITY MANAGEMENT AND ISO 9001

Quality is of paramount importance to Parker. All products are manufactured under controlled environmental conditions and are subjected to demanding programs of quality assurance.

Parker is ISO 9001 Certified.
INDUSTRIAL FILTRATION:
A Core Expertise

Parker Process Advanced Filtration serves a vast range of applications in the inks, paints and coatings industries, as well as in the chemicals, petrochemicals and petroleum industries. Our top-performing products are backed by a global network of factory-trained distributors and technical support teams.

Through our Technical, R&D and Customer Service Teams we offer a wide range of services and solutions to ensure total customer satisfaction.

TECHNICAL CAPABILITIES

Our Technical Support Group (TSG) is dedicated to the needs of industrial filtration users worldwide. We have an extensive range of state-of-the-art analytical instrumentation and a highly qualified team of scientists and engineers generating innovative solutions to a wide variety of filtration needs. We strive to optimize our customers’ filtration applications by offering full technical support that includes:

- process failure analyses
- contamination analyses
- process and cost improvement audits
- on-site testing services

RESEARCH AND DEVELOPMENT

Our R&D teams are constantly working to innovate new products and discover technologies that will enhance the performance of process filtration, and keep us at the forefront of process filtration technology.

CUSTOMER SERVICE

An experienced team of professionals dedicated to respond quickly and comprehensively to orders – for both standard and customized products – and ensure their on-time delivery worldwide.
## PROCESS FILTRATION PRODUCTS

Tailored to Industrial Applications

<table>
<thead>
<tr>
<th>Product line</th>
<th>Filter Ratings (microns)</th>
<th>Housings Available</th>
<th>Typical Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MEMBRANE FILTERS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLUOROFLOW</td>
<td>0.05 to 1</td>
<td>Yes</td>
<td>• High purity aggressive chemicals</td>
</tr>
<tr>
<td>PROFLOW II G</td>
<td>0.05 to 1</td>
<td>Yes</td>
<td>• UHP - chemicals, solvents, rinse baths and gases</td>
</tr>
</tbody>
</table>
| CLARIFLOW G | 0.04 to 0.65 | Yes | • Specialty chemicals  
• UHP water |
| CLARIFLOW WS | 0.04 to 0.65 | Yes | • Pre-R.O. and post-R.O. |
| **PLEATED FILTERS** | | | |
| ABSOMATE™ PAB | 0.2 to 70 | Yes | • Membrane prefiltration chemicals  
• Waste water |
| POLY-MATE™ PLUS PMP | 0.25 to 100 | Yes | • Chemicals, magnetic media, photographic, electronics  
• DI water,  
• Process water |
| POLY-MATE™ PM/PXD | 0.5 to 60 | Yes | • Photographic  
• High-tech coatings  
• DI water and R.O. membrane prefiltration  
• Process water, wastewater and disposal wells |
| CLARIPORT™ CP | 0.5 to 90 | Yes | • Coatings, inkjet inks  
• Specialty chemicals |
| GLASS-MATE™ PMG | 0.45 to 40 | Yes | • R.O. prefiltration  
• Membrane prefiltration  
• Critical lubricating oils and oil field completion fluids |
| FULFLO® PCC | 2 to 60 | Yes | • Chemicals and oil field completion fluids  
• Metal treatment  
• Petroleum and process gases  
• Coatings  
• Process water |
| FULFLO® 336 PLEATED | 3 to 150 | No | • Petrochemicals, refineries & oil fields, amines, glycols, produced water |
| FULFLO® 1401 | 2 to 100 | No | • Water injection  
• Chemical processes  
• Hydrocarbons  
• Solvents |
| FLO-PAC® FP | 0.5 to 60 | Yes | • Hydraulic and lubricating oils  
• Coolants - water-soluble, fuels and non-food-grade liquids |
| FLO-PAC®+ FPE | 0.5 to 60 | Yes | • Glycols, amines, esters, ketones, aromatic & aliphatic hydrocarbons, halogenated hydrocarbons |
| **LARGE DIAMETER PLEATED FILTERS** | | | |
| MEGAFLOW™ MFN | 0.5 to 10 | Yes | • DI Water  
• Chemical processing  
• High-tech coatings |
| MEGAFLOW™+ MFA | 1 to 70  
140, 150 | Yes | • Potable water  
• Coolants |
| MAXGUARD™ MX | 0.5 to 100 | No | • Oil Field - deep well injection, produced water |
| PARMAX™ RCP, RMG | 1 to 90 | Yes | • Specialty chemicals  
• Process Water |
<table>
<thead>
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<th>Product line</th>
<th>Filter ratings (microns)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MELT BLOWN</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>MEGABOND® PLUS MBP</td>
<td>1 to 120</td>
<td>Yes</td>
<td>Chemical processing, DI water, Coatings</td>
</tr>
<tr>
<td>AVASAN™ AVS</td>
<td>1 to 75</td>
<td>Yes</td>
<td>DI and process water, R.O. prefiltration</td>
</tr>
<tr>
<td>DURABOND® DBC</td>
<td>1 to 100</td>
<td>Yes</td>
<td>Chemical processing, Magnetic and industrial coatings, R.O. prefiltration, DI water and organic solvents</td>
</tr>
<tr>
<td>ECOBOND® EBC</td>
<td>1 to 50</td>
<td>Yes</td>
<td>Chemical processing, Magnetic and industrial coatings, R.O. prefiltration, DI water and organic solvents, Oil field applications</td>
</tr>
<tr>
<td>RESIN BONDED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROBOND® PRO</td>
<td>2 to 150</td>
<td>Yes</td>
<td>Inks and paints, Viscous fluids - adhesives, resins and emulsions, plasticizers</td>
</tr>
<tr>
<td>WOUND DEPTH</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>HONEYCOMB® HFT</td>
<td>1 to 150</td>
<td>Yes</td>
<td>Organic acids and solvents, petroleum oils, prefilter for membranes, concentrated and diluted alkalies, water, chemical processes</td>
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<tr>
<td>ULTRAFINE® HFT</td>
<td>0.5</td>
<td>Yes</td>
<td>Organic acids and solvents, petroleum oils, prefilter for membranes, concentrated and diluted alkalies, water, chemical processes</td>
</tr>
<tr>
<td>XTL™</td>
<td>1 to 30</td>
<td>Yes</td>
<td>Chemical processes, R.O prefiltration and process water, Lubricants, Organic solvents and amines</td>
</tr>
<tr>
<td>SWC®</td>
<td>1 to 100</td>
<td>Yes</td>
<td>Organic Acids and Solvents, Petroleum Oils, Prefilter for Membranes - concentrated and diluted alkalies, water and chemical processes</td>
</tr>
<tr>
<td>FILTER BAG MEDIA</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>FULFLO® FILTER BAGS</td>
<td>1 to 800</td>
<td>Yes</td>
<td>Paints, inks and coatings, Bulk chemicals and resins, Prefilter to other cartridges</td>
</tr>
<tr>
<td>XLH</td>
<td>0.5 to 25</td>
<td>Yes</td>
<td>Paints, inks and coatings, Adhesives and resins, Bulk chemicals, Prefilter to other cartridges</td>
</tr>
<tr>
<td>FULFLO® BASKET STRAINERS</td>
<td>20 to 100 Mesh</td>
<td>Yes</td>
<td>Clarification at high pressure, temperature, or with high-viscosity fluids, Filtration of steam and aggressive gases</td>
</tr>
<tr>
<td>FULFLO® COAXIAL RETAINER BASKET</td>
<td>N/A</td>
<td>Yes</td>
<td>Clarification at high pressure, temperature, or with high-viscosity fluids, Filtration of steam and aggressive gases</td>
</tr>
<tr>
<td>CARTRIDGE SERIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRUBIND 300, 400, 700</td>
<td>Trace Oil Absorbent</td>
<td>Yes</td>
<td>Removes trace oil from water</td>
</tr>
<tr>
<td>FULFLO® ACTIVATED CARBON</td>
<td>5 micron prefilter</td>
<td>Yes</td>
<td>Chlorine removal, Organics removal</td>
</tr>
<tr>
<td>METALLIC ELEMENT SERIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FULFLO® METALLIC</td>
<td>2 to 840</td>
<td>Yes</td>
<td>High-temperature liquids and steam</td>
</tr>
</tbody>
</table>
Parker provides high-technology filtration products and services to the inks and industrial coatings market. The coatings industry produces high-viscosity mixtures of resins, solvents, pigments and other additives that provide specific properties to the end product. Proper blending, mixing and dispersion are necessary for quality coatings. Filtration of these fluids is key to removing gels, agglomerates and other contaminants to assure the desired coating properties. An effective filter must not affect adhesion, color, grind specification or dispersion of the coating. Many coatings require filters that “classify” or allow desirable particles to remain, while removing undesirable ones. Parker filters perform these functions. They contain no silicone or other material that can adversely affect adhesion of coatings.

Parker supplies the industrial coatings market with the best filtration solutions at the lowest cost of filter ownership available anywhere. Parker filters also help ink manufacturers maintain pigment concentration and color, by removing contaminants and ensuring that grind standards are met.

**MEMBRANE FILTERS**

CLARIFLOW G
Polyethersulfone

**PLEATED FILTERS**

ABSO-MATE™ PAB
Polypropylene

POLY-MATE™ PM/PXD
Polypropylene

GLASS-MATE™ PMG
Microfiber glass

CLARIPOR™ CP
Polypropylene

POLY-MATE™ PLUS PMP
Polypropylene

**WOUND DEPTH, RESIN BONDED MELT BLOWN**

MEGABOND PLUS™ MBP
Polypropylene

AVASAN™ AVS
Polypropylene

DURABOND™ DBC
Polyolefin

ECOBOND™ EBC
Polypropylene

**FILTER BAG/STRAINER**

FULFLO® BASKET STRAINER
316 Stainless Steel

FULFLO® FILTER Bags
Various Materials

XLH - HIGH EFFICIENCY BAG
Polypropylene

**SINGLE-CARTRIDGE HOUSINGS**

B SERIES
Carbon Steel

BSSB Series
316 Stainless

4, 5 C Series
Carbon Steel, 316 Stainless

SSTC Series
316 Stainless

M Series
Carbon Steel, 316 Stainless

**MULTI-CARTRIDGE HOUSINGS**

FULFLO® WH
304 & 316L Stainless

FULFLO® SF
Carbon Steel, 304 & 316L Stainless

FULFLO® S
Carbon Steel, 304 & 316L Stainless

FULFLO® FE
Carbon Steel, 304 & 316L Stainless

FULFLO® FP
Carbon Steel, & 304L Stainless

**BAG FILTER HOUSINGS**

FULFLO® SB
Carbon Steel, 304 & 316L Stainless

FULFLO® FCB
Carbon Steel & 304 Stainless

FULFLO® FB
Carbon Steel, 304 & 316L Stainless
### Process Filtration Products

#### Solutions for Inks, Paints and Coatings

<table>
<thead>
<tr>
<th>Product line</th>
<th>Materials</th>
<th>Filter ratings (microns)</th>
<th>Available Housings</th>
<th>Typical applications</th>
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<tr>
<td><strong>MEMBRANE FILTERS</strong></td>
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<td></td>
</tr>
</tbody>
</table>
| CLARIFLOW G                   | Polyethersulfone                 | 0.04 to 0.65             | Yes                | • Final filtration  
• Ink jet inks                                  |
| **PLEATED FILTERS**           |                                  |                          |                    |                                               |
| ABSO-MATE™ PAB                | Polypropylene                    | 0.2 to 70                | Yes                | • Inks and paints  
• Resins and emulsions  
• Plasticizers                                  |
| POLY-MATE™ PM/PXD             | Polypropylene                    | 0.5 to 60                | Yes                | • Inks and paints  
• Resins and emulsions  
• Plasticizers                                  |
| GLASS-MATE™ PMG               | Microfiber glass                 | 0.45 to 40               | Yes                | • Inks and paints  
• Resins and emulsions  
• Plasticizers                                  |
| CLARIPOR™ CP                  | Polypropylene                    | 0.5 to 90                | Yes                | • High tech optical coatings                      |
| POLY-MATE™ PLUS PMP           | Polypropylene                    | 0.25 to 100              | Yes                | • High-tech coatings  
• Photographic chemicals                            |
| **DEPTH FILTERS**             |                                  |                          |                    |                                               |
| MEGABOND PLUS™ MBP            | Melt-Blown Polypropylene        | 1 to 120                 | Yes                | • High-tech optical coating                       |
| AVASAN™ AVS                   | Melt-Blown Polypropylene        | 1 to 75                  | Yes                | • Industrial coatings                             |
| DURABOND™ DBC                 | Bonded Polyolefin               | 1 to 100                 | Yes                | • Industrial coatings                             |
| ECOBOND™ EBC                  | Melt-Blown Polypropylene        | 1 to 50                  | Yes                | • Industrial coatings                             |
| PROBOND™ PRO                  | Resin Bonded Phenolic/ Acrylic Fiber | 2 to 150              | Yes                | • Inks and paints  
• Viscous fluids - adhesives, resins, emulsions, and plasticizers |
| **FILTER BAG/ STRAINER**      |                                  |                          |                    |                                               |
| FULFO® BASKET STRAINER        | 316 Stainless                    | 20 to 100 mesh           | Yes                | • Coatings  
• Solvents                                        |
| FULFO® FILTER BAG             | Polyester, Nomex, Polypropylene, Multi-filament Polyester, Monofilament Nylon | 1 to 800              | Yes                | • Coatings  
• Paints                                           |
| XLH - HIGH EFFICIENCY BAG     | Polypropylene                    | 0.5 to 25                | Yes                | • Coatings  
• Paints                                           |

Specifications are subject to change without notification.
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coatline RevA 607
Fluoroflow® Cartridges

All-fluoropolymer cartridge
for effective filtration of
aggressive chemicals

Fluoroflow® pleated filter cartridges feature an all-fluoropolymer construction; this provides the highest chemical resistance when filtering acids, bases and solvents. Fluoroflow® cartridges fit standard filter housings and are available in a variety of filter ratings, lengths and end-fittings for maximum versatility. Fluoroflow® cartridges are available flushed with UPW to minimize extractables and wet-packed to eliminate the need for on-site wetting, to fit your needs.

The Fluoroflow Cartridge is available in 0.05, 0.1, 0.2, 0.45, 1 and 100µm pore sizes.

Benefits

• High chemical compatibility maximizes process capability
• Wet-packed option eliminates lengthy wetting procedure and minimizes equipment downtime
• Biosafe in accordance with USP Class VI 121°C Plastics Test

Applications

• Aggressive chemicals and process fluids at temperatures up to 150°C
• Ozonated and/or hot UPW
Proflow™ II General Grade Cartridges

Hydrophobic PTFE membrane for general purpose gas and solvent purification

Proflow™ II General grade cartridges provide an economic alternative for general applications where reliable gas and liquid flow rates are required. With 5.6 square feet of expanded PTFE membrane, Proflow II-G is a highly efficient hydrophobic barrier, for the production of dry gas, and will effectively purify aggressive liquids and organic solvents.

Proflow™ II-G cartridges are manufactured under cleanroom conditions and integrity tested before shipment to assure consistent performance and quality.

The Proflow™ II-G Cartridges are available in 0.05, 0.1, 0.2, 0.45, and 1.0µm pore sizes.

Benefits
- Reliable air and liquid flow rates for effective performance
- Broad chemical compatibility enables use in many applications
- Broad range of micron ratings for user convenience
- Superior hydrophobicity for long life in vent/air applications
- Integrity tested to ensure quality
- Biosafe in accordance with USP Class VI 121°C Plastics Test

Applications
- Photoresists
- Compressed gas
- Venting
- Electronic grade solvents
- Hot deionized water (less than 80°C)
Clariflow® General Grade Cartridges

Hydrophilic Polyethersulfone (PES) membrane for aqueous liquid filtration applications

Clariflow® General grade cartridges are designed for general-purpose use in the filtration of high-purity liquids and aqueous chemicals.

The mirrored-anisotropic Polyethersulfone (PES) membrane is inherently hydrophilic and has a pore morphology that delivers exceptionally high flow rates.

Because there are no added surfactants or wetting agents, and the support layers and structure are all-polypropylene, the filter exhibits low extractables, broad chemical compatibility and good resistance to hydrolysis.

The Clariflow General Grade Cartridge is available in 0.04, 0.1, 0.2, 0.45, 0.65 and 0.8µm pore sizes.

Benefits

- High flow rate reduces processing time
- Broad chemical compatibility allows use in most applications
- Low differential pressure reduces system wear and tear
- Biosafe in accordance with USP Class VI 121°C Plastics Test

Applications

- Chemical filtration
- Liquid clarification
- Recirculating fluids
- General use water filtration
- Deionized water systems

ENgIneERInG yOuR SUCCESS.
Hydrophilic Polyethersulfone (PES) membrane for cost-effective purification

Clariflow WS cartridges are cost-effective alternatives to Clariflow Electronics and General grade cartridges for the filtration of a variety of aqueous liquids.

The Clariflow WS cartridge is built around a unique polyethersulfone (PES) membrane that is inherently hydrophilic, and contains no added surfactants or wetting agents. As such, it is known for clean filtrates, and also offers competitive flow rates, extended service life, and excellent resistance to hydrolysis.

Clariflow WS cartridges are fabricated under cleanroom conditions.

The Clariflow WS Cartridge is available in 0.04, 0.1, 0.2, 0.45, and 0.65µm cartridges.

**Benefits**

- Reliable and cost-effective to reduce expenses
- Broad chemical compatibility allows use in aqueous applications
- Resistance to hydrolysis allows extended use in UPW systems
- High flow rate / low differential pressure reduces system wear and tear
- Biosafe in accordance with USP Class VI 121°C Plastics Test

**Applications**

- Deionized water filtration
- Chemical filtration
- Liquid clarification
- Recirculating liquids
- Wine and beer clarification
- Juices
- Bottled water
Fulflo® Abso-Mate™ Cartridges

Absolute, Cost-Effective Filtration From All Polypropylene Cartridges

Parker’s Fulflo® Abso-Mate® Cartridges provide the ultimate in economical filtration for even the most critical process fluids. The proprietary melt blown media are rigidly controlled for reliable results time after time. Abso-Mate cartridges are produced without adhesives that can potentially contaminate fluids.

Abso-Mate Pleated Cartridges are available in 0.2µm, 0.45µm, 1µm, 2µm, 5µm, 10µm, 20µm, 40µm, and 70µm absolute rated pore sizes.

Benefits

- Absolute ratings for consistent and reliable performance (99.98%; β = 5000)
- Backwashable media, reduces replacement maintenance and cartridge disposal costs
- Abso-Mate cartridges are non-fiber releasing and contain minimal extractables
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- One-piece construction eliminates bypass concerns on multilength cartridges
- All-polypropylene construction offers wide chemical compatibility with most chemicals, acids, bases and solvents
- Fused construction and continuous lengths eliminate the need for adhesives and allow accurate bubble point integrity testing

Applications

- Membrane Prefilter
- Chemicals
- Catalyst Recovery
- Precious Metal Recovery
- Waste Water
Fulflo® Poly-Mate™ Plus Cartridges

High Surface Area and High Efficiency All-Polypropylene Pleated Cartridges

Fulflo® Poly-Mate™ Plus Cartridges, made of pleated polypropylene microfiber, provide high efficiency and high purity filtration. The high efficiency of the Poly-Mate™ Plus line makes it an ideal membrane prefilter or cost-effective alternative to membrane cartridges in a wide range of applications.

Poly-Mate Plus™ Pleated Cartridges are available in the following pore sizes (nominal rating at 90%): 0.25µm, 0.45µm, 0.8µm, 2.0µm, 3.0µm, 5.0µm, 30.0µm, 50.0µm, 100.0µm

Benefits

• All-polypropylene media and construction meet a broad range of performance requirements
• One-piece integral construction is 100% bonded for maximum cartridge integrity
• High surface area design provides superior flow rates and extended service life
• All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21

• Fixed pore construction provides ultimate particle retention
• Major end seal options are available to fit most standard vessels
• Poly-Mate™ Plus cartridges are non-fiber releasing and ensure consistent quality filtration performance

Applications

• DI Water
• Process Water
• Magnetic Media
• Plating Chemicals
• Membrane Prefilter
Fulflo® Poly-Mate™
Filter Cartridges

Quality, Economical Filtration for Critical Process Applications

Parker’s Poly-Mate™ Cartridges incorporate a unique combination of polypropylene melt blown and spun-bonded media to provide high surface area, finish-free and non-fiber releasing filtration. All-polypropylene construction maximizes chemical resistance to acids, bases, salts, and most organic solvents.

Poly-Mate™ Pleated Cartridges are available in 0.5µm, 1µm, 5µm, 10µm, 30µm, and 60µm pore sizes (99% removal; β = 100).

Benefits

• High efficiency rated for critical process applications (99% efficiency)
• High pleated surface area for extended service life, low pressure drop and high flow capacity
• Poly-Mate™ Xtra Duty™ (PXD) cartridge features glass-filled polypropylene core for high temperature and high pressure use with rigid outer cage supporting pleated media in backwash applications
• Optional stainless steel O-ring adapter inserts provide added strength for in situ sterilization

• Poly-Mate™ Xtra Duty cartridges are available with backwashable construction, reducing replacement maintenance and cartridge disposal costs
• All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
• One piece, continuous to 40 in length, integrally sealed pleated filter media

Applications

• Disposal Wells
• Photographic
• Wastewater
• High-Technology Coatings
• R.O. Membrane Prefiltration
• Plating Chemicals
• Fine Chemicals
• Process Water
• Deionized Water

C-2040
**Polypropylene Pleated Depth Media for Critical Process Applications**

The best of pleated and depth style technologies combine in Parker’s Claripor™ pleated depth filter cartridges. The unique layered construction provides absolute retention with high flow rates and excellent gel removal. These features, in addition to Claripor™’s high contaminant holding capacity and exceptional clarifying ability make it an ideal choice for a wide array of critical process applications.

Claripor™ cartridges are available with polypropylene media in absolute (99.98%) micron ratings from 0.5 to 90 microns.

**Benefits**

- Pleated construction yields high flow rates compared to traditional depth filters
- Rigid cage design permits superior strength
- Graded density layering for superior removal of amorphous particles
- Available with all industry standard end configurations
- Absolute retention ratings for critical filtration
- All materials listed as acceptable for potable and edible contact according to CFR Title 21
- Manufactured with strict quality control
- Parker Process Filtration Division is an ISO9001:2000 registered company

**Applications**

- Critical coatings
- Inkjet inks
- Specialty chemicals
Absolute and economical filtration with pleated microfiberglass cartridges

Parker’s Glass-Mate™ cartridges offer an economical choice for absolute-rated efficiency, high flow rate capability and long service life. A wide variety of construction components, end fittings and seal options make this product line ideal for prefiltration and point-of-use filtration for many industrial applications.

Glass-Mate cartridges are available in 0.45, 1, 2, 3, 5, 10, 20 and 40μm absolute-rated pore sizes.

Benefits

- Absolute-rated media provides reliable removal efficiency
- Thermal bonding eliminates particle bypass
- Laminated media/support layer maximizes flow capacity and media utilization and minimizes media migration
- Variety of construction/seal options for increased compatibility
- End fitting options provide competitive housing retrofit capability
- All FDA listed components biosafe per USP Class V1-121°C Plastic Tests allows filtration of edible and potable liquids
- High surface area yields high flow rate, low differential pressure
- Non-fiber-releasing media with minimal extractables provides high purity filtrate

Applications

- Chemicals
- Coatings
- Water
- R.O. prefiltration
Unique Cartridge Construction Improves Particle Retention, Service Life and Flow Rates

Parker Fulflo® Pleated Cellulosic Cartridges meet a broad range of critical filtration applications. Each cartridge in the Fulflo Pleated Cellulosic series is manufactured with premium grade, phenolic impregnated, cellulosic filter media. Phenolic resin locks the cellulosic fibers into a rigid, porous matrix. This structure provides superior particle removal and particle retention performance under the most severe conditions.

Fulflo Pleated Cartridges are available in 2µm, 3µm, 10µm, 30µm and 60µm pore sizes (99%+ removal: β = 100).

Benefits
• Premium pleated cellulosic media allow high flow capacity at low pressure drop
• Available in a variety of cartridge lengths and end cap configurations to fit most industrial vessels
• Phenolic resin impregnated to provide strength, integrity and high contaminant capacity
• High flow rates permit the use of smaller vessels and fewer cartridges

Applications
• Chemical
• Oil Field
• Photographic
• Film & Paper
• Metal Treatment
• Process Water
• Synthetic Fibers

• Process Gas
• Petroleum
• Coatings, Paint
• Ink & Resins
• Recording Media

Lower ΔP reduces power requirements and pump wear and tear
Longer cartridge life reduces frequency of filter change out resulting in less disposal costs, reduced inventory and less process interruptions
Pleated cartridge construction improves filtration efficiency, dirt holding capacity and flow rates

Parker's Fulflo® Pleated 336 size filter cartridges provide highly efficient removal of solid contaminants from a variety of petrochemical, refinery and oilfield applications. Cartridges are manufactured from premium grade phenolic impregnated cellulose and polypropylene blown media. These structures provide superior removal efficiency. The cartridges are available in 3µ, 10µ, 12µ, 22µ, and 100µ pore sizes. (99.98% removal; ß = 5000)

Benefits
- Retrofits housings that use 3" OD x 36" long SOE cartridges with spring
- High surface area
- Low pressure drop
- Materials compatible with most applications
- High filtration efficiency
- High dirt-holding capacity
- Rugged construction

Applications
- Petrochemical
- Refineries
- Oil Fields
- Produced Water
- Amines
- Glycols
High Efficiency, Flow Rate, Dirt Holding Capacity & High Pressure Pleated Cartridges

Parker’s Fulflo® 1401 cartridges are designed to replace similar competitive cartridges in high pressure water injection & disposal, gas streams and fluid processing. The cartridges are available in cellulosic and polypropylene media. Fulflo® 1401’s are available in absolute ratings of 2.5, 6, 10, 12, 22, and 100 microns (ß = 5000, 99.98%)

Benefits
- Retrofits into compatible housing that use 1401 style cartridges
- Maximize surface area to prevent particle bridging.
- High filtration efficiency
- Low pressure drops
- High flow rates
- Internal o-ring seal for positive sealing
- Rugged construction

Applications
- Water Injection
- Solvents
- Acids
- Chemicals
- Hydrocarbons
- Water
Fulflo® Flo-Pac® Filter Cartridges

Superior Industrial Filtration
From a Pleated Cartridge Design

Parker Fulflo® Flo-Pac® Cartridges are the perfect choice for many industrial filtration requirements. Flo-Pac pleated cartridges contain premium grade, phenolic impregnated cellulosic filter media. Parker’s line of pleated cartridges is designed for critical filtration applications, providing long service life, high flow rate and low pressure drop.

Flo-Pac Pleated Cartridges are available in 0.5µm, 1µm, 5µm, 10µm, 20µm, 30µm, and 60µm pore sizes (95% removal; ß = 20).

Benefits

- Pleated cellulosic media allow high flow capacity at low pressure drop
- Available in a variety of sizes and configurations to fit most industrial vessels
- Phenolic resin impregnated to provide strength, integrity and high contaminant capacity
- High strength spiral core withstands pressure surges to 100 psid
- Suitable for operating temperatures to 250°F (121°C)
- Outer sleeve protects the media from damage
- ETP (Electro-tin-plated) steel metal components for both aqueous and oil-based applications
- Buna-N gaskets are standard, other materials are available

Applications

- Water Soluble
- Coolants
- Quench Oils
- Fuels
- Lubricating Oils
- Hydraulic Oils
- EDM Dielectrics
- Rolling Mill Oils
- Processing Liquids
- Gasoline
Special Construction for Organic Solvent Filtration

Parker Fulflo® Flo-Pac®+ Cartridges are the filters of choice for many industrial filtration requirements. Flo-Pac+ Pleated Cartridges are manufactured with premium grade, phenolic impregnated cellulosic filter media for long service life, high flow rate and low pressure drop. Unique epoxy resin bonding of end caps, pleat side seal and gaskets provides excellent resistance to most organic solvents. Flo-Pac+ Pleated Cartridges are available in 0.5µm, 1µm, 5µm, 10µm, 20µm, 30µm, and 60µm pore sizes (95% removal; ß = 20).

Benefits

- Epoxy bonding of end caps, pleat side seal and gaskets provides resistance to most organic solvents
- Premium pleated cellulosic media allow high flow capacity at low pressure drop
- Available in a variety of sizes and configurations to fit most industrial vessels
- Impregnated phenolic resin provides strength, integrity and high contaminant capacity
- Suitable for operating temperatures to 250°F (121°C)

- Perforated outer metal sleeve protects the media against damage.
- ETP (Electro-tin-plated) steel metal components for aqueous and oil-based applications
- Gaskets provide positive seals and are available in Viton,* cork and standard Vellumoid
- Recommended range is pH 4-10. Please call for specific recommendation
- Spiral core withstands pressure surges to 100 psid

Applications

- Aromatic Hydrocarbons (toluene, xylene, benzene)
- Ketones (acetone, isophorone, methyl ethyl ketone)
- Ethers (THF, dioxane)
- Amines (DEA, TEA, DMEA)
- Glycols (ethyl acetate, cellosolve acetate)
- Aliphatic Hydrocarbons (hexane, pentane, naphtha)
- Halogenated Hydrocarbons (methylene chloride, perchloroethylene)
- Esters (EG, PEG, DEG)
Large Diameter Pleated Filter Cartridge Series
High Flow Capacity Pleated Filter Cartridges

Parker’s Fulflo® MegaFlow™ cartridges provide a cost effective alternative to wound and other 2 1/2 inch OD style filter cartridges in high flow applications such as reverse osmosis pre-filtration and similar applications where nominal efficiency is sufficient. Each MegaFlow™ cartridge can handle flow rates up to 175 gpm (662 lpm), significantly reducing the number of cartridges required and the housing size. Each 6 inch (152 mm) diameter MegaFlow™ cartridge has flow capacity equal to 8 standard 2 1/2 inch OD X 40 inch long filter cartridges. Positive O-ring seals and a built in handle make cartridge installation reliable, fast and easy. MegaFlow™ cartridges are available in either pleated polypropylene or cellulose media with nominal ratings of 0.5, 1, 5 and 10 micron.

Benefits

• High flow capacity means fewer cartridges and reduces labor costs to change
• High flow capacity allows smaller housings and less capital expenditure
• Built in handle makes change fast, easy and safe
• O-ring seal assures filtration integrity
• Choice of polypropylene or cellulose media allows use in both aqueous and non-aqueous fluid applications
• Thermally bonded polypropylene and phenolic resin bonded cellulose filter media prevent particle bleed through and unloading that commonly occurs with wound cartridges
• High surface area pleated design provides lower pressure drop and longer service life than other cartridges
• All materials of construction in polypropylene cartridges comply with FDA regulations per CFR Title 21
• Horizontal and vertical housings are available for flow rates up to 3,325 gpm (12,586 LPM)

Applications

• Potable Water
• Waste Water
• Reverse Osmosis Pre-Filtration
• Lubricating Oil
• Coolants
Fulflo® Mega-Flow Plus Filter Cartridges

Absolute Rated, High Flow Capacity, Pleated Filter Cartridges

Parker’s Fulflo® MegaFlow+™ cartridges are ideally suited for high flow applications where absolute particle removal is required. Each MegaFlow+™ cartridge can handle flow rates up to 175 gpm (662 lpm), significantly reducing the number of cartridges required as well as the housing size. Each 6 inch (152 mm) diameter MegaFlow+™ cartridge has flow capacity equal to 8 standard 2 ½ inch OD X 40 inch long cartridges. Positive O-ring seals and a built in handle make cartridge installation reliable, fast and easy.

MegaFlow+™ cartridges are available with pleated polypropylene media for use in a wide variety of fluids. Absolute ratings range from 1 µm to 150 µm.

Benefits

- High flow capacity means fewer cartridges and less time to change
- High flow capacity allows smaller housings
- Built in handle makes change fast, easy and safe
- O-ring seal assures filtration integrity
- Choice of polypropylene media expands fluid compatibility
- High surface area pleated design provides low pressure drop and long service life

Applications

- Polypropylene cartridges comply with FDA regulations per CFR Title 21
- Horizontal and vertical housings available for flow rates up to 3325 gpm (12,586 lpm)
- Reduces process interruptions
- Potable Water
- Vegetable Oil
- Wastewater
- Lubricants
- Food and Beverage
- Coolants

Parker

ENGINEERING YOUR SUCCESS.
Fulflo® MaxGuard Filter Cartridges

MaxGuard™ High Capacity Cartridge

Parker’s MaxGuard™ high capacity cartridge product line provides a cost effective alternative to bag media or standard 2-1/2 inch cartridges for high flow applications. Each MaxGuard™ cartridge has a 6” nominal outside diameter and can handle flows up to 90 gpm, significantly reducing the number of cartridges required for large flow applications.

MaxGuard™ cartridges are available in polypropylene, cellulose and Nomex™ media. All cartridges feature an industry standard 226 positive O-ring seal and easy-to-grasp integrated handle.

Benefits

- High flow capacity means fewer cartridges and reduced labor costs associated with change-out
- High flow capacity allows for smaller housings and less capital expenditure
- Heavy wall core ensures superior strength
- Integrated handle makes change-outs fast, easy and safe
- Positive 226 O-ring seal assures filtration integrity
- Absolute retention ratings for critical filtration
- Polypropylene cartridges listed as acceptable for potable and edible contact according to CFR Title 21
- Manufactured with strict quality control
- Parker Process Filtration Division is an ISO9001:2000 registered company

Applications

- Deep well injection
- Amines
- Commercial water
- Food and Beverage
C-2062

Fulflo® ParMax Filter Cartridges

Large-diameter high-flow elements

The best of pleated and large diameter technologies are combined in Parker’s ParMax™ high flow filter cartridges. ParMax™ cartridges are available with polypropylene and microfiberglass media in absolute (99.98%) ratings from 1 to 90 micron. The unique layered construction provides excellent retention across a wide range of flux rates. One-six inch diameter cartridge can handle up to 500 gpm flow (60" length). The inside-to-outside flow allows for a high contaminant holding capacity. High flow and a long filter life make the ParMax™ an ideal choice for a wide variety of critical process applications.

Benefits

- Large diameter yields much higher flow rates compared to traditional 2.5" filters
- High flow capacity permits use of fewer elements and cuts capital expenditure
- Inside-out flow pattern ensures positive capture of contaminants
- Absolute retention ratings for critical filtration

Applications

- Process water
- Water
- Spirits
- Food and beverage

Benefits

- All materials listed as acceptable for potable and edible contact according to CFR Title 21
- Manufactured with strict quality control
- Parker is an ISO9001:2000 Certified Division
Melt Blown, Resin Bonded, and Wound Depth Filter Cartridge Series
C-1301

**Fulflo® MegaBond Plus™ Cartridges**

**Depth Cartridges with High Dirt Holding Capacity & Absolute Rated Filtration Efficiency**

Parker’s Fulflo® MegaBond Plus™ are absolute rated depth cartridges. Using a new innovative manufacturing process, the MBP has higher dirt holding capacities offering long service life and without contaminant migration. The MBP has a fixed core inner structure of thermally bonded continuous microfine polypropylene fibers. The outer layer fixed pore structure has been modified to maximize the graded density surface area to enhance dirt holding capacity.

Fulflo® MegaBond Plus™ cartridges are available in absolute (β = 5000) ratings of 1µm, 3µm, 5µm, 10µm, 15µm, 20µm, 30µm, 40µm, 70µm, 90µm and 120µm.

**Benefits**

- Microfine, thermally bonded fiber construction provides superior filtration and often eliminates the need for circulation to achieve product clarity
- Non-fiber-releasing, continuous fiber matrix prevents media migration and ensures consistent production yields and overall quality filtration performance
- No surfactants or binders are present to interrupt product quality or cause foaming
- Double open-end cartridges have polyolefin gaskets thermally bonded to both ends eliminating fluid bypass between the cartridge and the vessel seal
- Superior inter-layer bonding eliminates contaminant unloading and channeling
- Unique outer graded density structure increases dirt holding capacity
- Polypropylene fiber provides broad chemical compatibility for a variety of applications
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Pore size differentiation is achieved using fibers of differing diameters and maintaining uniform density throughout the cartridge
- Pore sizes do not change as DP increases during service, providing consistent particle retention

**Applications**

- Photographics
- High Technology Coatings
- DI Water
- Plating Solutions
- Chemical Processing
- Membrane Prefiltration
AVASAN™ Filter Cartridges

High Purity Melt Blown Depth Cartridges

Avasan™ (AVS) cartridges are manufactured with a proprietary melt blown manufacturing process using a specially formulated polypropylene polymer. This formulation provides a uniquely graded density filter cartridge designed for high purity applications. The fiber matrix of the cartridge has been engineered to provide structural integrity throughout the long service life of the cartridge and the finish-free construction provides optimum fluid purity and eliminates foaming. Avasan’s inherent fluid compatibility properties plus graded density make it the economical filter choice for high clarity requirements.

Benefits

- Continuous bonding of fibers throughout the filter matrix ensures non-fiber releasing construction
- Superior inter-layer bonding provides true three dimensional filtration and a construction that does not compress with increasing pressure
- Pure polypropylene construction
- Finish-free construction provides optimum fluid purity and eliminates foaming

- Graded density construction provides built-in prefiltration and longer life
- All materials biosafe in accordance with USP Class VI-121°C Plastic Test
- All materials listed as acceptable for potable and edible contact according to CFR Title 21
- Parker Process Filtration Division is an ISO9000:2000 Certified Division

Applications

- DI Water
- RO Prefiltration
- Potable Water
- Plating Solutions
- Chemical Processing Fluids
Fulflo® EcoBond™ Filter Cartridges

High Purity Filtration With Low Cost Melt Blown Depth Cartridges

Parker’s Fulflo® EcoBond™ Cartridges are the most economical high purity filter cartridges available. Featuring a graded density matrix of uniform polypropylene fibers, the EcoBond™ provides consistent filtration for a wide variety of fluids. No fiber finish or surfactants are present to generate extractables leading to foaming or other undesirable effects on the filtrate. Fulflo EcoBond™ Cartridges are available in nominal ratings of 1µm, 5µm, 10µm, 25 µm and 50µm.

Benefits

- Thermally bonded melt blown fiber matrix provides dimensionally stable construction
- Continuous fiber matrix prevents media migration and ensures consistent quality filtration performance
- Finish-free construction provides optimum fluid purity and eliminates foaming condition
- Superior inter-layer bonding eliminates contaminant unloading and channeling
- FDA grade polypropylene (DOE only) certified to ANSI/NSF61 standard for contact with drinking water components
- Narrow range fiber size optimizes consistency of filtration performance
- Polypropylene construction provides broad chemical compatibility for a variety of applications
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Single component construction simplifies compatibility options and provides easy disposal

Applications

- Photographic Chemicals
- DI Water
- Plating Solutions
- R.O. Prefiltration
- Membrane Prefiltration
- Organic Solvents
- Oilfield Fluids
- Bleach
- Potable Water
- Chemical Processing Fluids
Fulflo® DuraBond™ Cartridges

Economical Filtration With High Strength Thermally Bonded Depth Cartridges

Parker’s Fulflo® DuraBond™ Cartridges are the most economical high strength filter cartridges available. Featuring an integral rigid thermally bonded construction, the DuraBond™ provides consistent filtration for a wide variety of fluids. Its fixed pore structure acts as a sieve-like particle “classification” filter for pigmented coatings allowing pigments to pass while stopping large agglomerates.

Fulflo® DuraBond™ Cartridges are available in nominal ratings of 1µm, 3µm, 5µm, 10µm, 25µm, 50µm, 75µm and 100µm.

Benefits

• Fixed pore structure provides efficiency, integrity and optimum particle retention
• Thermally bonded bicomponent fiber matrix provides rigid dimensionally stable construction without fiber migration
• Rigid construction eliminates contaminant unloading and channeling
• Corrugated porous surface maximizes dirt holding capacity
• Silicone free construction will not change coating properties
• FDA grade polypropylene (DOE only) certified to ANSI/NSF61 standard for contact with drinking water components
• Polyolefin construction provides broad chemical compatibility for a variety of applications

• All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
• DuraBond™ cartridges can be easily disposed by shredding, incinerating or crushing
• DuraBond™ construction provides particle “classification” effect with pigmented coatings
• Double-open-end style is self-sealing without separate gasket material

Applications

• Photographic Chemicals
• DI Water
• Plating Solutions
• Bleach
• R. O. Prefiltration
• Organic Solvents
• Oilfield Fluids
• Membrane Prefiltration
• Industrial Coatings
• Magnetic Coatings
• Potable Water
• Processing Fluids
A Patented Breakthrough in Resin Bonded Cartridge Design

Parker ProBond™ cartridges have a unique, proprietary two-stage filtration design to maximize particle retention and service life in viscous fluid filtration applications. An outer, spiral, prefilter wrap, made from a fiber blend of polyester and acrylic, increases cartridge strength and eliminates residual debris associated with conventional or machined and grooved, resin bonded cartridges.

ProBond filter cartridges are available in eight differentiated removal ratings of 2µm, 5µm, 10µm, 25µm, 50µm, 75µm, 125µm and 150µm pore sizes to meet a wide range of performance requirements.

Benefits

- Outer, spiral wrap collects large particles and agglomerates, while inner layers control particle removal at rated size
- Outer wrap increases surface area and eliminates loose debris and contamination caused by machined products
- Extra-long acrylic fibers provide added strength, resist breakage and migration common with competitive “short fiber” cartridges
- Available with optimal single-open-end seals (222 o-ring with flat cap) in ABS or nylon
- Phenolic resin impregnation strengthens cartridge for use with high viscosity fluid
- Withstands pressure surges up to 150 psid across cartridge (depending on fluid temperature)
- One-piece construction eliminates bypass concerns with multilength cartridges and eases change out
- Silicone-free construction ensures no contamination to adversely affect adhesion properties of coatings

Applications

- Paints
- Printing Inks
- Adhesives
- Resins
- Emulsions
- Chemical Coatings
- Organic Solvents
- Plasticizers
- Waxes
- Oilfield Fluids
- Process Water
- Petroleum Products
Fulflo® Honeycomb™ Filter Cartridges

Multipurpose Filtration Solutions With Parker’s Wound Depth Cartridges

Parker Process Filtration has been a leader in filter media innovation and performance since we first invented the Honeycomb™ Filter Tube over 65 years ago. Parker has the world’s largest manufacturing capacity for wound cartridges, offering superior quality along with technical, engineering and marketing support.

Effective removal ratings at nominal 90% efficiency from 0.5µm to 150µm range.

Benefits

• A broad range of media provide excellent compatibility with a variety of organic solvents, animal, petroleum and vegetable oils
• Optional core covers and end treatments assure fiber migration control
• Multiple length cartridges minimize changeout time, eliminate spacers and are available to fit competitive filter vessels
• FDA grade polypropylene (DOE only) cartridges certified to ANSI/NSF61 standard for contact with drinking water components
• Continuous strand winding geometry provides performance consistency
• One-piece metal extended center core option eliminates the need for cartridge guides in all competitive and Fulflo® multicartridge vessels
• A special snap-in extender is available for polypropylene cores
• Cotton, rayon, polypropylene, nylon and polyester materials are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
• Various O-ring and end cap options are available

Applications

• Oxidizing Agents
• Concentrated Alkalies
• Potable Liquids
• Dilute Acids & Alkalies
• Mineral Acids
• Organic Acids & Solvents
• Petroleum Oils
• Photo Solutions
• Amines
• Water
• Prefilter for Membranes
Economical Filtration Solutions With String Wound Depth Cartridges

Parker Process Filtration’s SWC Filter cartridge offers a wide range of fibers and core materials. Roving is wound onto a center core for strength. The diagonal pattern of the media forms a tight, interlocking weave. Parker Process Filtration has one of the world’s largest manufacturing plants for wound cartridges, offering superior quality along with technical, engineering and marketing support.

Nominal removal ratings from 1µm to 100µm are available.

Benefits

- SWC’s provide excellent compatibility with a variety of organic solvents and petroleum products
- Optional core covers available to assure fiber migration control
- Multiple length cartridges minimize change out time, eliminate spacers and are available to fit competitive filter vessels
- Cotton and polypropylene materials are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Continuous strand roving geometry provides performance consistency
- Exended center core option eliminates the need for cartridge guides in competitive and Fulflo multicartridge vessels
- One piece extended length center cores are available in tinned steel, 316 stainless steel and 304 stainless steel
- A special snap-in extender is available for polypropylene cores
- FDA grade polypropylene (DOE only) certified to ANSI/NSF61 standard for contact with drinking water components

Applications

- Prefilter for R.O. Membranes
- Water
- Alkalies
- Dilute Acids & Alkalies
- Organic Acids & Solvents
- Potable Liquids
- Petroleum Oils
- Mineral Acids
Fulflo® XTL™ Filter Cartridges

Technologically Advanced Wound Cartridge Design Doubles Cartridge Life and Improves Performance

The unique construction of Parker’s patented* Fulflo® XTL™ (extended life) cartridges provides twice the average life of conventionally wound cartridges for process fluid filtration. Computer modeling has optimized the wound cartridge geometry maximizing the use of the internal cartridge surface area. The enhanced design provides improved dirt-holding capacity (twice the average) over standard wound cartridges, while providing true controlled-depth filtration.

Fulflo® XTL cartridges are available in nominal (90%) ratings of 1µm, 3µm, 5µm, 10µm, 20µm and 30µm.

Benefits

• XTL cartridges result in significant cost savings based on fewer system interruptions, decreased labor expenses for change outs, and reduced inventory and cartridge disposal costs
• Unique computer programming capability permits the design and manufacture of special cartridge constructions to suit the requirements of nearly any filtration application
• “M” polypropylene and “C” cotton materials are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
• Continuous strand roving geometry provides performance consistency
• XTL wound cartridges fit all Fulflo vessels and most competitive vessels without compromising final product clarity or flow characteristics of the cartridge. The most noticeable difference is the extended life savings offered by XTL cartridges
• Extended center cores are available in tinned steel, 316 stainless steel and 304 stainless steel
• A special snap-in extender is available for polypropylene cores
• FDA grade polypropylene (DOE only) certified to ANSI/NSF61 standard for contact with drinking water components

Applications

• Potable Liquids
• Organic Solvents
• Process Water
• Photoprocessing
• Lubricants
• R.O. Prefiltration
• Amines
• Chemical Process
Fulflo® Filter Bags Provide High Quality, Consistent Filtration Performance

Fulflo® Filter Bags are ideal for virtually any process filtration application requiring the removal of solids. Parker's Fulflo® filter bags are manufactured and tested under the strictest quality control standards to assure consistent performance. Parker's Fulflo® filter bags perform at high flow rates and viscosities to 10,000 cps or higher. Standard Fulflo® Filter Bags are available in 1µm to 800µm particle retention ratings.

Benefits

- Standard filter bags fit Fulfo® vessels and most major competitive models
- The "C" Style Fulflo® bag features a polypropylene Quik-Seal ring which effectively seals the bag into standard Parker bag vessels
- The "G" Style Fulflo® bag features a carbon steel snap ring for positive sealing in competitive vessels
- Fulflo® Quik-Seal™ option is available for all "G" style Fulflo® filter bag media
- Felt bags come standard with glazed surface treatment to effectively control migration of fibers into the filtered product
- Polypropylene felt (P) bags are suitable for incidental food contact per CFR Title 21

Applications

- Solvents
- Bulk Chemicals
- Coatings
- Coolants
- Petroleum Oils
- Inks
- Paints
- Adhesives
- Liquid Detergents
- Resins
- Prefilters for Finer Cartridges
- Parts Washing Systems
- Water
Fulflo® XLH High Efficiency Filter Bags Provide High Quality Filtration Performance

Fulflo® Filter Bags are ideal for virtually any process filtration application requiring the removal of solids. Parker’s Fulflo® filter bags are manufactured and tested under the strictest quality control standards to assure consistent performance. Parker’s Fulflo® filter bags perform at high flow rates and viscosities to 10,000 cps or higher.

XLH high efficiency filter bags perform at efficiencies similar to depth cartridges. XLH bags are available in 0.5µm, 1µm, 2.5µm, 10µm and 25µm particle retention ratings.

Benefits

- Parker’s XLH all-polypropylene high efficiency filter bags provide twice the dirt-holding capacity at a lower cost than many competitive bags and cartridges of the same micrometer rating
- XLH bags require less frequent change out, less storage and disposal space, and are easy to install and remove
- Each bag is incinerable (with Quik-Seal™ option), reducing filter disposal costs
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21

Applications

- Adhesives
- Solvents
- Bulk Chemicals
- Coatings
- Coolants
- Petroleum Oils
- Inks
- Paints
- Liquid Detergents
- Water
- Resins
- Prefilters for Finer Cartridges
- Parts Washing Systems
Fulflo® Coaxial Basket

Parker’s Coaxial Retainer Basket for Increased Flow Rate in Existing Single Length Parker Vessels

Parker’s unique coaxial basket increases flow rates of existing single length bag housings by converting the housing to double length bags.

Benefits

- 316 stainless steel construction
- Accepts double length bag in single length envelope
- Special plunger to assist in filter bag installation
- Shorter length disposal package
- Retrofits all standard Fulflo bag housings
- Requires less head room for spent filter bag removal
- Increases flow rate in single length vessel
- Increases life and efficiency at same flow rate
- Designs for competitive vessels available (consult factory)

Applications

- Latex Emulsions
- Water Coolants
- Resins
- Solvents
- Coatings
Fulflo® Bag Filter Basket

Specifications

Materials of Construction:
316 stainless steel

Recommended Media:
For use with double length (size #2) mesh and needled felt media (100 micron and less) only

Housing Retrofit:
SB models
FB models
FCB models

- Coaxial basket with “CX” bag installed
- Add “CX” prefix to standard bag part number
- “CX” bag has internal loop to assist in spent bag removal when installed in coaxial basket

Ordering Information

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Specifications are subject to change without notification.

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SPEC-C1070-Rev. A 01/08
Effective Large Particle Removal With Fulflo® Basket Strainers

Fulflo basket strainers effectively remove large-sized particles ranging from US Mesh 20 to 100 (840µm to 149µm) from liquids with viscosities of up to 15,000 SSU. Parker basket strainers are useful as prefilters for the collection of gross contaminants.

Benefits

- Available in two standard sizes to fit all Fulflo bag filter vessels
- Each strainer constructed of 316 stainless steel and features a permanent handle for easy installation, removal and cleaning
- Fulflo strainer vessels designed for maximum operating pressures of up to 150 psi (9.0 bar) and high flow rates
- Cleanable permanent media
- Optional ratings available down to 550 mesh (25 micron)
- Five standard ratings available from 20 to 100 mesh.

Applications

- Discharge Water
- Process Water
- Coolants
- Cutting Oils
- Inks
- Lubricants
- Paints
- Resins
- Solvents
- Bulk Chemicals
- Parts Washing Systems
- Adhesives
Effective and Economical Hydrocarbon Removal with Enhanced Polymeric Absorbent Cartridges

Parker Fulflo® TruBind™ absorbent cartridges utilize a modified polymeric absorbent that economically and effectively reduces trace hydrocarbon contamination in aqueous fluids. The enhanced polymer, configured in a radial-flow-design cartridge, provides maximum utilization of available surface area. This product can be used alone or as an enhancement to other systems. Whether process fluid reclamation or meeting disposal requirements is the goal, TruBind can solve many demanding hydrocarbon-contaminated aqueous fluid problems.

Benefits

- Increases machine tool life when installed at point-of-use
- Increases working life of valuable process fluids
- Reduces hydrocarbon levels to meet EPA discharge regulations
- Absorbed hydrocarbon is chemically bound by polymer and is not leachable
- Absorbent polymer is enhanced to maximize utilization of surface area
- Radial flow design of cartridge allows maximum flow with minimal pressure drop
- High integrity construction withstands harsh process environment
- A variety of cartridge sizes and end cap options increase housing selection
- TruBind cartridges are completely incinerable
- Parker’s TQM system assures consistent and reliable performance

Applications

- Water Soluble Machine
- Alkaline Parts Washing
- Industrial Discharge Water
- Produced Water Disposal
- E-Coat Paint
- Post Oil/Water Separator
- Compressor Condensate
- Car & Truck Wash Water
- Plating Bath
- Gas & Oil Facility Wastewater
- Surface Water Runoff (Truck stops, airports, auto service stations)
- Bilge Water
- Pre Carbon Bed
- Aerosol Mists Cooling Water
- Tanker Ballast Water
- Pre R.O. Membrane Polishing
**Fulflo® TruBind™ 400 Cartridges**

**Effective and Economical Hydrocarbon Removal with Enhanced Polymeric Absorbent Cartridges**

Parker Fulflo® TruBind™ absorbent cartridges utilize a modified polymeric absorbent that economically and effectively reduces trace hydrocarbon contamination in aqueous fluids. The enhanced polymer, configured in a radial-flow-design cartridge, provides maximum utilization of available surface area. This product can be used alone or as an enhancement to other systems. Whether process fluid reclamation or meeting disposal requirements is the goal, TruBind™ can solve many demanding hydrocarbon-contaminated aqueous fluid problems.

**Benefits**

- Increases machine tool life when installed at point-of-use
- Increases working life of valuable process fluids
- Reduces hydrocarbon levels to meet EPA discharge regulations
- Absorbed hydrocarbon is chemically bound by polymer and is not leachable
- Absorbent polymer is enhanced to maximize utilization of surface area
- Radial flow design of cartridge allows maximum flow with minimal pressure drop
- High integrity construction withstands harsh process environment
- TruBind™ cartridges are completely incinerable
- Parker’s TQM system assures consistent and reliable performance

**Applications**

- Water Soluble Machine Tool Coolants
- Alkaline Parts Washing
- Industrial Discharge
- Car & Truck Wash Water
- Gas & Oil Facility Wastewater
- Tanker Ballast Water
- Bilge Water
- Surface Water Runoff
- Produced Water Disposal (Truck stops, airports, auto service stations)
- Pre Carbon Bed
- post Oil/Water Separator
- E-Coat Paint
- Compressor Condensate
- Pre R.O. Membrane Water
- Plating Bath
- Aerosol Mists
Fulflo® TruBind™ 700 Cartridges

Effective and Economical Hydrocarbon Removal with Enhanced Polymeric Absorbent Cartridges

Parker Hannifin's Fulflo® TruBind™ absorbent cartridges utilize a modified polymeric absorbent that economically and effectively reduces trace hydrocarbon contamination in aqueous fluids. The enhanced polymer, configured in a radial-flow-design cartridge, provides maximum utilization of available surface area. This product can be used alone or as an enhancement to other systems. Whether process fluid reclamation or meeting disposal requirements is the goal, TruBind™ can solve many demanding hydrocarbon contaminated aqueous fluid problems.

Benefits

- Increases machine tool life when installed at point-of-use
- Increases working life of valuable process fluids
- Reduces hydrocarbon levels to meet EPA discharge regulations
- Absorbed hydrocarbon is chemically bound by polymer and is not leachable
- Absorbent polymer is enhanced to maximize utilization of surface area
- Radial flow design of cartridge allows maximum flow with minimal pressure drop
- High integrity construction withstands harsh process environment
- Retrofits parker P, FP, FPM vessel series
- TruBind™ cartridges are completely incinerable

Applications

- Water Soluble Machine Tool Coolants
- Industrial Discharge Water
- Produced Water Disposal
- Pre R.O.
- Aerosol Mists
- Injection Molding Cooling Water
- Car & Truck Wash Water
- Gas & Oil Facility Wastewater
- Floor Scrubbing Waste Water Polishing
- Leisure/Commercial Shipping (Truck stops, airports, auto service stations)
- Bilge Water
- Alkaline Parts Washing
- E-Coat Paint
- Tanker Ballast Water
- Plating Solutions
- Pre Carbon Bed Membrane
- Compressor Condensate
- Post Oil/Water Separator
- Surface Water Runoff
Activated Carbon Cartridges
Eliminates Taste, Odor and Sediment in Potable Water

Parker’s FDA grade MC and RC activated carbon cartridge series provides effective control of taste and odor causing contaminants in water such as chlorine and dissolved organics. At the same time suspended solids are controlled to a nominal 5 micrometer level.

The MC Series features a unique 3-stage “treatment” matrix with a granular carbon chamber between two layers of 5 micron rated wound polypropylene medium. The RC Series is similarly constructed but with a larger outside diameter and in a variety of lengths to fit standard double open end Fulflo® “B” series vessels.

The MMCT-10 is unique within this series as a single-open-end carbon bottle design in which flow is channeled through the entire length of the cartridge. With this design contact time is maximized for optimum adsorptive contaminant removal.

Benefits

- All components of the carbon cartridge series meet FDA guidelines for potable and edible liquid contact according to CFR Title 21
- Six different cartridge sizes to accommodate most Fulflo® and similar style competitive vessels
- Unique design with prefiltration and post filtration stage to optimize activated carbon layer
- Liquid phase high surface area activated carbon maximizes chlorine removal
- Unique 3-stage water treatment capability from one filter cartridge

Applications

- Drinking Water
- Plating Solutions
- Waste Water Treatment
- Color Contaminated Fluids
Metallic Media Series
Fulflo® Metallic Filter Cartridges

Optimize Process Filtration with High Integrity Metallic Cartridges

Parker’s Fulflo® stainless steel cartridges provide the optimum filtration solution for fluids and gases in high temperature and high flow rate applications.

Available in a cylindrical or pleated design, cleanable stainless steel cartridges are the logical choice when natural and synthetic media cartridges cannot meet aggressive process conditions.

Fulflo® reusable 304 and 316 grade stainless steel cartridges offer versatility of choice with fourteen nominal particle removal ratings, six standard lengths and a variety of end configurations and seal materials.

Benefits

- Temperature capability up to 500° F with synthetic seals; up to 1500°F with NPT connections
- Available in 304 and 316 stainless steel for compatibility choice with aggressive chemicals
- Available in fourteen nominal ratings from 2 to 840 microns for a wide range of particle size removal
- Dimensional integrity of stainless steel media accommodates high flow rate and high temperature systems
- Cartridges may be cleaned and reused
- Available with a wide range of grommet and O-ring materials to optimize fluid and temperature compatibility
- Variety of seal configurations allow retrofit in many filter vessel designs
- Welded and crimped construction eliminates the need for adhesives which can be a contaminant source and limit temperature range
- Pleated surface maximizes filtration area for longer service life
- Plain (cylindrical) surface provides ease of cleaning
- Optional perforated stainless steel pleat protectors minimize handling damage
- Meets FDA guidelines for use with potable and edible liquids

Applications

- Heat Transfer
- Hot Melt Processes
- Viscous Fluids
- Hot Wax
- Aggressive Gases
- Polymer Filtration
- High Temperature Processes
- Process Fluids Steam
- Corrosive Fluids
- Catalyst Recovery
- Caustic Cleaning Solutions

Parker

ENGINEERING YOUR SUCCESS.
Single Cartridge Filter
Vessel Series
Fulflo® B Filter Vessels

Fulflo® “B” Series Filters Are Suitable for a Wide Range of Industrial Applications

Carbon Steel “B” Vessels feature single center bolt for quick cartridge changing and in-line connections for easy installation.

Duplex vessels permit independent or parallel shell operation. In addition, they offer the advantage of continuous service because one can be serviced while the other is operating. Manifold vessels work simultaneously in parallel shells to provide higher flow rates with less pressure drop than single-shell models.

Air and gas single-shell vessels feature in-line pipe connections for easy installation and aluminum baffel sleeve deflectors for two-stage moisture removal.

Benefits

- Single center bolt for quick cartridge change
- In-line pipe connection for easy installation
- Optional integrally cast brackets for easy mounting
- Drains and vents standard on all models
- Standard Buna-N closure gasket material with optional Viton,* Neoprene and fluoropolymer gaskets available
- Spring-loaded bottom seats for positive cartridge sealing
- Duplex vessels for continuous service
- Manifold unit for increased flow
- B-Series filter vessels take standard DOE cartridges

Applications

- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Potable Liquids
- Compressed Air
Fulflo® Single Cartridge Filter Vessels

Fulflo® Single Cartridge Stainless Steel Filter Vessels Are for Water and Corrosive Fluid Applications

The BSSB models have a 316 stainless steel shell and a four-boss 316 stainless steel head for applications where an all-stainless steel construction is required.

Benefits

- Single center bolt for quick cartridge change
- In-line pipe connections for easy installation
- Bracket kit for installation on drilled head bosses for easy mounting
- Spring-loaded bottom seats for positive cartridge sealing
- O-ring closure seal provides positive sealing

Applications

- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Potable Liquids
- Compressed Air
Fulflo® TC Single Cartridge Stainless Steel Filter Vessel

Fulflo® Single Cartridge Stainless Steel Vessels Are for use With SOE-222 Style Filter Cartridges

The SSTC models have a 316 stainless steel shell and a four-boss 316 stainless steel head for applications where an all-stainless steel construction is required. The vessels feature a head which accepts SOE TC style filter cartridges which eliminates the possibility of fluid bypass.

Benefits

- The vessels are sealed using a ring type threaded closure which requires no special tools to change the cartridges
- Threaded ring closure for quick cartridge change
- 222 seal cup for TC and competitive cartridge sealing (M3, Code 3, Code 0)
- Integrally cast brackets for easy mounting
- Standard Buna-N closure o-ring material with optional Viton, EPR and Silicone available
- Available for use with 10”, 20” and 30” cartridge lengths
- Vessel has no internal parts
- Cartridge seating is positive and can be checked prior to closing
- All components have electropolished finish

Applications

- Solvents
- Chemicals
- Potable Water
- Parts Washer
Fulflo® High-Pressure Single Cartridge Filter Vessel (4.5C)

Fulflo® High-Pressure Filter Vessels Are Ideal for High-Pressure Liquid Applications

Ideal for a wide range of industrial machinery and process industry applications, these vessels combine extremely high-pressure rating capability with ease of installation and rugged durability.

Benefits

- 4.5C features multiple bolt closure to meet high-pressure requirements
- In-line pipe connections for easy installation
- Available in carbon steel and 316 stainless steel materials
- Spring-loaded bottom seats for positive cartridge sealing
- Drain and vent standard on all models
- Vessels accept a single 10” or 20” DOE (double-open-end) seal elements

Applications

- Petrochemicals
- Coolants
- Hydraulic Oils
- Process Water
- Solvents
- Other High-Pressure Liquids
Fulflo® “M” Series Single Cartridge Vessels

Fulflo® High-Pressure Single Cartridge

Parker’s “M” Series Single Cartridge Filter Vessels are designed for a broad range of high pressure industrial and chemical process applications. All details of design, materials, construction and workmanship comply with the ASME code for pressure vessels. The “M” series is available with and without the ASME stamp.

Benefits

- ASME design to insure integrity, available with and without the ASME stamp
- T-Style head and shell for ease of installation and servicing
- Standard O-Ring closure seal is Buna N, with optional materials available for improved chemical compatibility and higher temperature rating
- Flanged or threaded connections to suit installation requirements and preference
- Optional 150, 300 or 600 lb. RFSo flange connections for installation flexibility
- 1-inch connections for maximum flow capability of filter cartridges
- Utilizes one 10-, 20- or 30-inch cartridge
- Multiple bolt closure with bright zinc plated studs
- Optional single-open-end (SOE 2-222 TC Style) cartridge adapter for positive sealing of high efficiency filter cartridges
- Wide range of cartridge media available for process clarity control and chemical compatibility
- Rigid cartridge support post with threaded end seal for positive double open end (DOE) cartridge seating

Applications

- Chemicals
- Catalyst Recovery
- Solvents
- Cutting Oils
- Other High Pressure Liquids
- Process Water
- Lubricants
- Coolants
- Hydraulic Oils
- Compressed Air and Gases

ENGINEERING YOUR SUCCESS.
Fulflo® LT Series

Fulflo® Polymeric Vessels for Water Filtration

Parker Fulflo® LT Series Polymeric Vessels are an ideal economical choice for low flow industrial and potable water applications. Standard and large diameter vessels accommodate 2-1/2 and 4-1/2 inch O.D. double-open-end Fulflo cartridges and meet FDA requirements for use with potable fluids. Both 10-in and 20-in vessels, with or without pressure relief vent, are available. Installation wrenches and brackets are optional.

Benefits

- Fulflo® polymeric vessels are available in two diameters and lengths, with or without relief vent
- The all-polymeric, corrosion-resistant LT series vessels are economical alternatives to stainless steel vessels when high temperature and high pressure are not specified
- All models are made of materials that meet FDA requirements
- The LTG model vessels provide both 1 in and 1-1/2 in NPT connection in same head
- Positive head-to-shell "stop" prevents over tightening
- Unique o-ring design ensures effective sealing by positive tangential contact and eliminates accidental misplacement
- LT model vessels are ideal for Fulflo® bonded, pleated and wound cartridges, as well as activated carbon core models MMCT-10, MC10-2, MC20-2 and MC30-2
- LTG model vessels are ideal for Fulflo® TruBind® 400 series cartridges and 4-1/2 in O.D. wound cartridges in double-open-end style
- Optional installation wrenches accommodate faster cartridge changeout
- Mounting brackets are available for pipe and wall installation
- LT series vessels are tested to industry standards of Water Quality Association for burst pressure, seal integrity, and fatigue resistance

Applications

- Potable Water
- Leisure/Commercial Shipping Bilge Water
- DI Water
- Industrial Discharge
- Alkaline Parts Washing
- Post Oil/Water Separator Polishing
- Process Water
- Compressor Condensate
Fulflo® Natural Polypropylene Vessels for High Purity Applications

Parker’s Fulflo® NP series vessels feature pure natural polypropylene construction. The NP series is an ideal economical alternative to stainless steel and fluoropolymer vessels for filtration of corrosive fluids. They are essential for applications and processes demanding high purity filtration. Availability of 10-inch and 20-inch lengths and both single and double-open-end seal designs adds additional versatility.

Benefits

- Fulflo® NP series vessels available in two lengths and two seal designs offer versatility
- Several O-ring options maximize compatibility choices. Viton® is standard
- Smooth fluid contact surfaces prevent bacteria and contaminant build-up
- U-bracket available for pipe mounting
- Mounting bosses in head accommodate L-bracket
- Securely retained head-to-shell O-ring ensures effective sealing by positive tangential contact and eliminates accidental misalignment
- Positive head-to-shell “stop” prevents overtightening
- Individual packaging ensures cleanliness until use
- NP vessels accept all standard double-open-end and single-open-end 2-222 O-ring design Fulflo filter cartridges
- NP vessels of pure polypropylene meet FDA requirements for edible and potable liquid filtration
- Available with pressure relief vent or threaded vent and drain
- Service wrenches available for easy installation
- NP vessels totally incinerable after useful life

Applications

- DI Water
- Inorganic Chemicals
- Photographic Solutions
- Organic Solvents
- Process Gases
- Electronic Grade Chemicals
Multi-Cartridge Filter
Vessel Series
Fulflo® WH Filter Vessels

WH Vessels
The WH cartridge filter vessels are a lightweight, economical, Non-ASME industrial / commercial design suitable for a wide variety of filtration applications. The 100% stainless steel and passivated finish provides superior corrosion resistance and an excellent appearance. The swing type closure bolts and hinged cover design (up to 35 round) make cartridge change-out quick and easy.

Benefits
- Hinged cover (up to 35 round) and swing bolt closure for fast, easy cartridge changeout
- Maximum design pressure is 150 psig (10.3 bar) at 250°F (121°C) for use in a wide range of operating conditions
- 100% stainless steel for corrosion resistance. Bolting is zinc plated carbon steel.
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges
- Standard finish is passivated
- 316 Stainless steel cartridge seats, top seat plate assemblies, and tri-fold element guides for long term use
- Standard Buna-N O-ring with optional fluoroelastomer and EPR for wide range of applications
- Standard features include vent, clean drain and dirty drain connections

Applications
- Potable Water
- Process Water
- Edible Oils
- Beverages
- Chemicals
- Solvents
- Pre-Reverse Osmosis
Fulflo® CH5 Filter Vessels

Carbon Steel and 304 Stainless Filter Element Vessel Series

The Fulflo® CH5 Non-Code Filter Vessels are lightweight and provide economical filtration of liquids.

The CH5 Vessel Series accommodates either double-open-end (DOE) or single-open-end (SOE) filter elements in 10 inch, 20 inch or 30 inch lengths.

Benefits

• Single O-ring design closure assures quick, positive cover sealing
• Swing bolts for fast, easy and safe opening and closing of cover
• Pivot pin cover allows cover to remain attached when opened
• Buna-N O-ring standard with optional EPR and Viton®

• Zinc plated closure bolts and legs for corrosion resistance
• Adjustable leg height
• Standard features include vent, clean drain and dirty drain connections

Applications

• Potable Water
• Lubricants
• Process Water
• Coolants
• Edible Oils
• Cutting oils
• Coatings
• Solvents
Fulflo® SF Filter Vessels

High Flow Rates With Fulflo®
SF ASME Code Vessels

Fulflo® SF Multi-Cartridge Filter Vessels meet a broad range of liquid and gas applications. All details of design, materials, construction and workmanship of the SF vessel series conform to ASME code.

The SF Vessel Series accommodates double-open-end (DOE) and single-open-end (SOE) cartridges in 10 in, 20 in, 30 in and 40 in equivalents.

Benefits

- Designed and fabricated in accordance with the ASME Boiler and Pressure Vessel Code, U or UM stamp
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts of carbon steel construction standard on models SF12 and SF19.
- Designed for minimum pressure drop
- External welded attachments on stainless steel models are also stainless steel
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges
- All SF models feature swing bolts with eyenuts for easier cleaning and servicing
- O-ring seals provide positive closure
- Standard Buna-N O-rings with optional Viton® elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings are also available for temperatures up to 500°F (260°C)
- Hydraulic coverlifts optional on SF12 and SF19 models

Applications

- Water
- Concentrated Alkalies
- Dilute Acids & Alkalies
- Mineral Acids
- Organic Acids
- Oxidizing Agents
- Solvents
- Petroleum Oils
- Potable Liquids
- Photo Solutions

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**Fulflo® HT Filter Vessels**

Filter Heat Transfer Oils and Other High Temperature Fluids with Fulfo HT Series ASME Code Vessels

Fulflo® HT multi-cartridge filter vessels are specifically designed for filtration of high temperature heat transfer oils and other hot fluids. All details of design, materials and construction of the HT vessel series conform to ASME code.

The HT series vessels are designed for use with double open end (DOE) and single open end (SOE) cartridges in 10, 20 and 30 inch lengths.

**Benefits**

- ANSI blind flange closure for positive seal and common replacement gasket size
- High temperature 304 SS spiral wound closure gasket with non-asbestos filler for use at elevated temperature and when fire safe non O-ring design is required
- Modified silicone paint, suitable for high temperature, applied over sandblasted surface for exterior protection
- Nickel plated bolting for corrosion resistance at high temperature
- Cartridge top seats, guides and bottom seats made of 316 SS for corrosion resistance
- Inlet and outlet nozzles extended 6 inches to allow for installation of protective insulation
- Extended nameplate so design information is visible after protective insulation is installed
- Designed for minimum pressure drop
- Designed and fabricated in accordance with ASME Boiler and Pressure Vessel code, U or UM stamp
- Design: 123 PSIG at 650°F and 418 PSIG at 650°F
- Dual purpose cartridge seat for use with double open end and 2-222 O-ring single open end cartridges

**Applications**

- Heat Transfer Oils
- High Temperature Oils
- Hot Fluids and Gases
Fulflo® S Series ASME Code Filter Vessels

Fulflo® S Series Multi-Cartridge Filter Vessels meet a broad range of liquid and gas applications for flow rates up to 2,040 gpm (7,720 lpm). All details of design, materials, construction and workmanship of the S vessel series conform to ASME code. The S Vessel Series accommodates double-open-end (DOE) or single-open-end (SOE) filter cartridges in 10 in, 20 in, 30 in and 40 in equivalents.

Benefits

- Built in accordance with ASME boiler and pressure vessel code
- Available in 150 psi (10.3 bar) and 300 psi (20.7 bar) designs
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts standard on most models
- S85 and S102 feature hydraulic coverlifts (available on all models as an option)
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges
- Buna-N O-ring closure seal provides positive cover sealing.
- Viton® elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings are also available for temperatures up to 500°F (261°C)
- All S models feature swing bolts with closures for quick cleaning and servicing
- Accepts double-open-end (DOE) or single-open-end (SOE) cartridges

Applications

- Liquid
- Gas
- Food & Beverage
- Chemical Processes
- Petrochemical
- Paints & Coatings
- Industrial
Fulflo® MP Filter Vessels

Fulflo® MP (Membrane Protectors) Filter Vessels Protect Membranes by Prefiltering R.O. Feed Water

MP Filter Vessels are ideal for a wide range of filtration applications including prefiltration of brackish, process and sea water. All MP Series vessels are built in accordance with ASME boiler and Pressure Vessel Code, U stamp. All MP vessels have dual purpose bottom seats for use with either double-open-end or 222 O-ring design.

Benefits

- Flow rates from 108 gpm to 3520 gpm
- Pressure ratings from 100 psi (6.9 bar) to 150 psi (10.3 bar)
- 304L or 316L stainless steel
- Stainless steel welded attachments
- Swing bolt closure for quick opening, with hex nuts for use with pneumatic tools
- Optional stainless steel bolting and davit assembly
- Horizontal vessels provide for easy cartridge installation
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single-open-end cartridges
- Glassbead blasted exteriors
- Passivated interior and exterior surfaces to remove free carbon and protect against corrosion
- Buna-N O-ring closure seal provides positive cover sealing
- Horizontal vessel utilizes removable internal cartridge support plate
- Large size clean and dirty drain for uniform piping and valve size

Applications

- Brackish and Sea Water
- Semiconductor Process Water
- Boiler Feed Water
- Reverse Osmosis Prefiltering
- Potable Water
- Electronic Rinse Water
- Deionized Water
**Fulflo® Mega Flow Filter Vessels**

**Vessels for High Flow Capacity MegaFlow Filter Cartridges**

MegaFlow™ vessels are designed to accept MegaFlow™ filter cartridges that handle up to 175 gpm (662 lpm) each. They provide significant size and capital cost reduction compared with vessels containing conventional size filter cartridges. The horizontal design and coreless cartridge configuration make cartridge change fast and easy. Models are available for flow rates up to 3325 gpm (12,586 lpm).

**Benefits**

- Horizontal design makes cartridge change practically effortless
- Vessels have slight pitch to prevent liquid from spilling when opening cover
- Permanent internal perforated post supports cartridges and eliminates loose internal parts
- Cartridges have internal O-ring for positive seal
- Cartridge top is located flush with cover to facilitate cartridge change
- Inlet connection is below cartridges to prevent impingement on media
- Built to ASME Boiler And Pressure Code to insure integrity
- Available in carbon steel, 304L stainless steel and 316L stainless steel for a wide variety of applications
- O-ring cover seal for quick and positive vessel cover sealing
- Cover locating pin for quick and accurate alignment
- Available in 150 PSI and 300 PSI pressure ratings

**Applications**

- Reverse Osmosis Filtration
- Potable Water
- Process Water
- Edible Oils
- Lubricants
- Coolants
- Cutting Oils
- Solvents
- Chemicals

[Image of Fulflo® Mega Flow Filter Vessels]
**Fulflo® FE Filter Vessels**

FE Model Cartridge Filter Vessels Designed for Economical Filtration of Liquids and Gases

The FE Filter Vessel Series accommodates double-open-end (DOE) and single-open-end (SOE) filter cartridges in 10 in, 20 in and 30 in lengths.

### Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts with eyenuts for fast, easy opening and closing of cover
- Maximum design pressure is 150 psig (10.3 bar) at 450°F (232°C) and 200 psig at 100°F (38°C) plus full vacuum
- Buna-N O-ring standard with EPR, Viton® and fluoropolymer available
- Dual purpose cartridge seats for use with double open end and 2-222 O-ring single open end cartridges
- ASME Code UM stamp is standard (U stamp is optional)
- Threaded vent and drain connections
- Adjustable leg height
- Threaded or flanged inlet and outlet
- Side inlet; cover opens without disconnecting piping
- Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning

### Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents

<table>
<thead>
<tr>
<th>Material</th>
<th>Design Cartridge Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C = Carbon Steel</td>
<td>01-1 Cartridge</td>
</tr>
<tr>
<td>G = 304L Stainless Steel</td>
<td>02-2 Cartridges</td>
</tr>
<tr>
<td>S = 316L Stainless Steel</td>
<td>03-3 Cartridges</td>
</tr>
<tr>
<td></td>
<td>04-4 Cartridges</td>
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<tr>
<td></td>
<td>05-5 Cartridges</td>
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<td>07-7 Cartridges</td>
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<td>08-8 Cartridges</td>
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<td>12-12 Cartridges</td>
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<td>15-15 Cartridges</td>
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<tr>
<td></td>
<td>19-19 Cartridges</td>
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<table>
<thead>
<tr>
<th>Vessel Orientation</th>
<th>Inlet/Outlet Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>V = Vertical</td>
<td>06 = 6”</td>
</tr>
<tr>
<td>H = Horizontal</td>
<td>08 = 8”</td>
</tr>
<tr>
<td></td>
<td>10 = 10”</td>
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<tr>
<td></td>
<td>12 = 12”</td>
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<td>14 = 14”</td>
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<tr>
<td></td>
<td>16 = 16”</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Inlet/Outlet Connection Type</th>
<th>Finish</th>
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<tbody>
<tr>
<td>F = ANSI 150 lb. flange</td>
<td>C - Painted</td>
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<tr>
<td>H = ANSI 300 lb. flange</td>
<td>B - Glass Bead Blast</td>
</tr>
<tr>
<td></td>
<td>P - Passivated</td>
</tr>
<tr>
<td></td>
<td>E - Electropolished</td>
</tr>
</tbody>
</table>

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Fulflo® FP Filter Vessels

Fulflo® FP Model Cartridge Filter Vessels Designed for Economical Liquid Filtration

The FP Filter Vessel Series is designed for use with the Fulflo® Flo-Pac® 718 and 736 Pleated Filter Cartridge Series.

Benefits

- Single O-ring design closure assures quick, positive cover sealing.
- Swing bolts with eye nuts for fast, easy opening and closing of cover.
- Maximum design pressure is 150 psi (10.3 bar) at 450°F (232°C) and 200 psig at 100°F (38°C) plus full vacuum.
- Buna-N O-ring standard with EPR, Viton® and fluoropolymer available.
- ASME Code UM stamp is standard (U stamp is optional).

Applications

- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents
- EDM

Threaded vent and drain connections
Adjustable leg height
Threaded or flanged inlet and outlet options
Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning.
Fulflo® CPM Oil Filter Vessels

Steel Single Element Filter Vessel Series

The light, compact oil filtration solution. The Fulflo® CPM Vessel Series of single element oil filters is designed for high efficiency and economical operation in oil reclamation and maintenance applications. The compact design makes the CPM vessel series easy to mount on equipment and on the floor to conserve space. The adjustable legs offer installation flexibility by allowing various inlet elevations and nozzle orientations.

Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts for fast, easy and safe opening and closing of cover
- Pivot pin cover allows cover to remain attached when opened
- Adjustable leg height

Applications

- Hydraulic oils
- Quench Oils
- Engine & Compressor Lube Oils
- Cutting Oils
- Coolants
- EDM Liquids
High Efficiency and High Flow Rate with Fulflo® P Vessel Series

Fulflo® P Series Multi-Cartridge Filter Vessels are designed for high flow rate where the contaminants can be effectively removed by pleated paper (surface type) media. The P Vessel Series is designed for use with the Fulflo® Flo-Pac® 718 and 736 pleated filter cartridge series. TruBind® 700 Series absorbent cartridges also fit these vessels.

Benefits

- Designed and fabricated in accordance with the ASME Boiler and Pressure Vessel Code, U or UM stamp with 150 psi (10.3 bar) rating at 250°F (121°C)
- Non-code design and construction (parallel to code standards) available
- Mechanical coverlifts
- Designed for minimum pressure drop
- Cartridge capacity from 1 to 18 cartridges
- All P models feature swing bolts for easier cleaning and servicing
- O-ring seals provide positive closure sealing
- Standard Buna-N seal with optional Viton® elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings
- Optional hydraulic coverlifts

Applications

- Fuels
- Lubricating Oils
- Solvents
- Coolants
- Refineries
- Hydraulic Oils
- Rolling Mill Oils
- Processing Liquids
Fulflo® SB Filter Vessels

High Flow Rates and High Solids Retention Capability With Fulflo® SB Series ASME Code Single and Multiple Bag Vessels

Constructed to handle flow rates of up to 1120 gpm (4240 lpm), the Fulflo® SB Series of bag and strainer filter vessels provides excellent filtration in a wide range of industrial and chemical applications. All details of design, materials, construction and workmanship of the SB Vessel Series conform to ASME code and are available in non-code design and construction.

Benefits

- Accepts "C" style flex band bags for optimized independent seal
- Built in accordance with ASME (U or UM stamp) Boiler and Pressure vessel code
- Non-code design and construction (parallel code standards) available
- Maximum design pressure is 150 psi (10.3 bar) or 300 psi (20.7 bar)
- Available in carbon steel, 304 stainless steel, or 316 stainless steel
- Single O-ring seal closure design assures quick, positive cover seal
- Swing bolts with hexnuts for fast, easy opening and closing of cover
- Buna-N standard O-ring with Viton® elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings also available
- Positive bag media seal prior to sealing housing

Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents
Fulflo® FB Filter Vessels

FB Model Bag Filter Vessels
Designed for Economical Filtration of Liquids and Gases

The Fulflo® FB Series of bag and strainer filter vessels provides excellent filtration in a wide range of industrial and chemical applications. All details of design, materials, construction and workmanship of the FB Vessel Series conform to ASME code and are available in non-code design and construction.

Benefits

- Single O-ring design closure assures quick, positive cover sealing (O-rings are not required to seal filter bags.)
- Swing bolts with eyenuts for fast, easy opening and closing of cover
- Buna-N O-ring standard with EPR, Viton® and fluoropolymer available
- Maximum design pressure is 150 psi (10.3 bar) at 450°F** (232°C)
- ASME Code UM stamp is standard (U stamp is optional)
- Threaded vent and drain connections
- Adjustable leg height. Threaded or flanged inlet and outlet

Applications

- Potable Water
- Process Water
- Coatings
- Lubricants
- Coolants
- Cutting Oils
- Solvents

Side inlet; cover opens without disconnecting piping
Side inlet, bottom outlet and crevice-free welded design provide a smooth interior for easy wash-out and cleaning
Hinged cover for easy opening
Positive seal of "C" style flex band bags prior to closing the vessel cover
Optional hold-down assembly for conversion to "G" style bag media seal available.
CB Model Bag Filter Vessels are Designed for Economical Filtration of a Wide Variety of Industrial Liquids

The CB bag filter vessel series is an economical design that features the integrity of a bolted closure. The CB series is available in either carbon steel or 304 or 316 stainless steel. Both models have zinc plated closure bolts and zinc plated legs for corrosion resistance. The integral basket support provides a smooth interior for easy cleaning and bag installation. The CB is for use with either single or double length bags with flex type bag bands and can also be used with solid ring and plastic ring bags by using the optional bag sealing insert and adding an O-ring under the basket rim. The adjustable legs offer installation flexibility by allowing various inlet elevations and nozzle orientations.

Benefits

- Single O-ring design closure assures quick, positive cover sealing
- Swing bolts for fast, easy and safe opening and closing of cover
- Buna-N O-ring standard with optional EPR and Viton*
- Maximum design pressure is 175 psi (12 bar) at 250°F** (121°C)
- Good manufacturing practice industrial design
- Threaded vent and drain connections
- Carbon steel with zinc plated support basket or 304SS with 316SS support basket
- Adjustable leg height
- Side inlet allows cover to open without disconnecting piping

- Integral basket support design provides a smooth interior for easy wash-out and cleaning
- Pivot pin cover allows cover to remain attached when opened
- Positive seal of "C" style flex band bags prior to closing the vessel cover
- Optional hold-down assembly for conversion to solid ring ("G"style) and plastic ring ("Q" style) bags
- Zinc plated closure bolts and legs for corrosion resistance

Applications

- Potable Water
- Solvents
- Process Water
- Lubricants
- Cutting Oils
- Coolants
- Coatings
FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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