

LIQUID FILTRATION PRODUCT BROCHURE

Separation, Filtration, & Purification Technology.™



ROSEDALE®
PRODUCTS INC.

**Welcome
to the future of
liquid filtration
technology.**



**ROSEDALE®
PRODUCTS INC.**



Rosedale Products, Inc. is a leading technology developer in the field of liquid filtration systems and waste minimization products for customers around the world. With more than 50 years of experience, Rosedale offers an exceptional product line that includes high-performance filtration solutions for multiple industries. Rosedale technicians help customers find the best, most cost-effective approaches to their filtration needs.

Rosedale's product line sets the industry standard in versatility and reliability and includes bag and cartridge filters, basket strainers, automatic back washing filters, filter cartridges, and many special application products. Together with ongoing consulting, troubleshooting, and support from our team of in-house experts, Rosedale provides comprehensive solutions for every critical industry filtration need. Rosedale manufactures industrial filtration products for virtually any industry where liquid and gas flows are present.

We have a vast product line that suits many needs, as well as the flexibility to customize standard products. Our sales staff has knowledge of many industrial practices, giving customers the confidence that their filter solution is the best available for their specific need. Our most popular products are bag filters, pleated cartridge filters, and basket strainers.

Speak with a product representative today. 800.821.5373.
For product details please visit [RosedaleProducts.com](https://www.RosedaleProducts.com).



Basket Strainer / Bag Filter

Model: 4, 6, and 8.

FEATURES

- NSF 61 available
- Low pressure drops
- Permanently piped housings
- Covers are O-ring-sealed and easily removed without special tools
- Carbon steel or stainless steel (304 or 316) housing construction
- All housings are electropolished to resist adhesion of dirt and scale
- Easy to clean and/or replace
- Adjustable-height legs, standard
- Large-area, heavy-duty baskets
- O-ring seals: Buna® N, EPDM, Viton®, Teflon®
- ASME code stamp available
- Duplex units are available

OPTIONS

- Sanitary construction
- Different outlet connections
- Higher pressure ratings
- Extra-length legs
- Heat jacketing
- Adapters for holding filter cartridges.
- Liquid displacers for easier servicing
- Can be fitted with an adapter to hold cartridge filter elements (Model 8 only)

PRESSURE RATINGS

- Model 4 pressure ratings: 200 psi (with clamp cover) and 150, 300, or 500 psi (with eye nut cover). Two basket depths: 6 or 12 inches (nominal). Pipe sizes ¾ inch through 2 inch, NPT or flanged (standard 150 class flange).
- Model 6 pressure ratings: 150, 210, or 300 psi. Three basket depths: 12, 18, or 30 inches (nominal). Pipe sizes ¾ inch through 3 inch, NPT or flanged (standard 150 class flange).
- Model 8 pressure ratings: 150 and 300 psi. Two basket depths: 15 or 30 inches (nominal). Pipe sizes ¾ inch thru 6-inch, NPT, or flanged.



Model: 4, 6, and 8.

Our most popular in-stock models.



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Basket Strainer / Bag Filter

Model: Multi-Bag.

FEATURES

- NSF 61 available
- 2 to 23 Baskets
- Multiple housing styles available (standard, quick access, low profile, hinged)
- Permanently piped housings are opened without tools and without disturbing the piping
- Machined cover gasket groove provides positive O-ring sealing
- Carbon steel or 304 or 316 stainless steel construction housings
- Large-area, 30-inch-deep, heavy-duty, 9/64-inch perforated baskets
- Easy to clean
- Low pressure drop
- Four cover seal materials: Buna® N, Ethylene Propylene, Viton®, and Teflon®
- Pressure rating 150 or 300 psi
- Flanged connections for 2-inch through 12-inch pipe
- Vent, drain, and gauge connections

OPTIONS

- ASME code stamp
- Higher pressure ratings
- Corrosion allowances
- Steam jackets
- Special connection locations
- Bag hold down assembly (standard on design)
- Inner baskets for dual-stage straining or filtering
- Cleanable wire mesh-lined or perforated strainer baskets
- Special alloy materials
- Hydraulic cover lifting assembly
- Sanitary fittings
- Differential pressure indicators



Model: Multi-Bag.

Davit Arm Design



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Basket Strainer / Bag Filter

Model: Duplex.

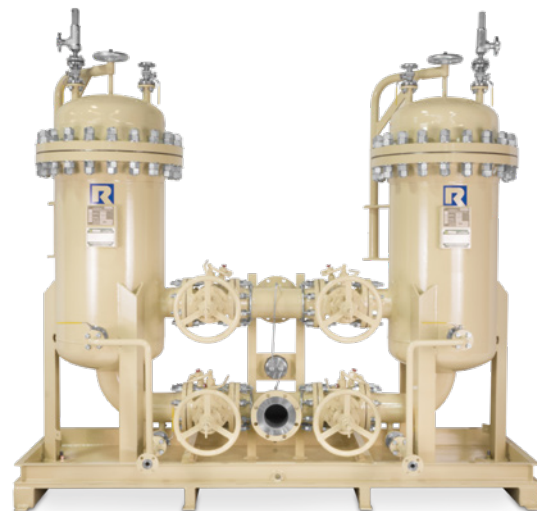
FEATURES

- Four separate valves are all operated simultaneously by a single lever.
- Valves use the standard butterfly design, known for its effective seal, low pressure drop, and low cost.
- Any of the valves can be serviced individually, without need to disturb the other valves or piping. Replacements are readily available.
- Valves are soft-seated to provide bubble-tight closure.
- Pressure drop is minimized because the flow path has the equivalent of only four elbows instead of the usual six.
- Mechanical stops assure that the valves are completely open or closed.
- A single-valve pressure-balancing vent system is furnished to ease movement of the lever and to fill the just-serviced vessel before use.
- Vents in filter covers and drain ports in filter housing speed evacuation and filling.
- Remotely operated power actuators and automatic power actuation (triggered by pressure differential sensing) are offered.

DUPLEX MODELS 16 THROUGH 48

For flow rates up to 4600 gpm

- Contain from 4 to 46 baskets
- Available in 2-inch through 12-inch pipe sizes, flanged
- Two basket depths: 15-inch or 30-inch (nominal)



Model: Duplex.

Continuous Flow Design



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Basket Strainer / Bag Filter

Model: Auto-Duplex.

FEATURES

The automatic duplex valve system can be ordered on any Rosedale filter vessel. The standard multi-bag filter models are shown in the table. The main inlet and outlet connections can be positioned to accommodate any flow direction within reason. Systems are shipped assembled and ready for use, often on dollies or skids to assist putting them in place.

DUPLEX MODELS 16 THROUGH 48

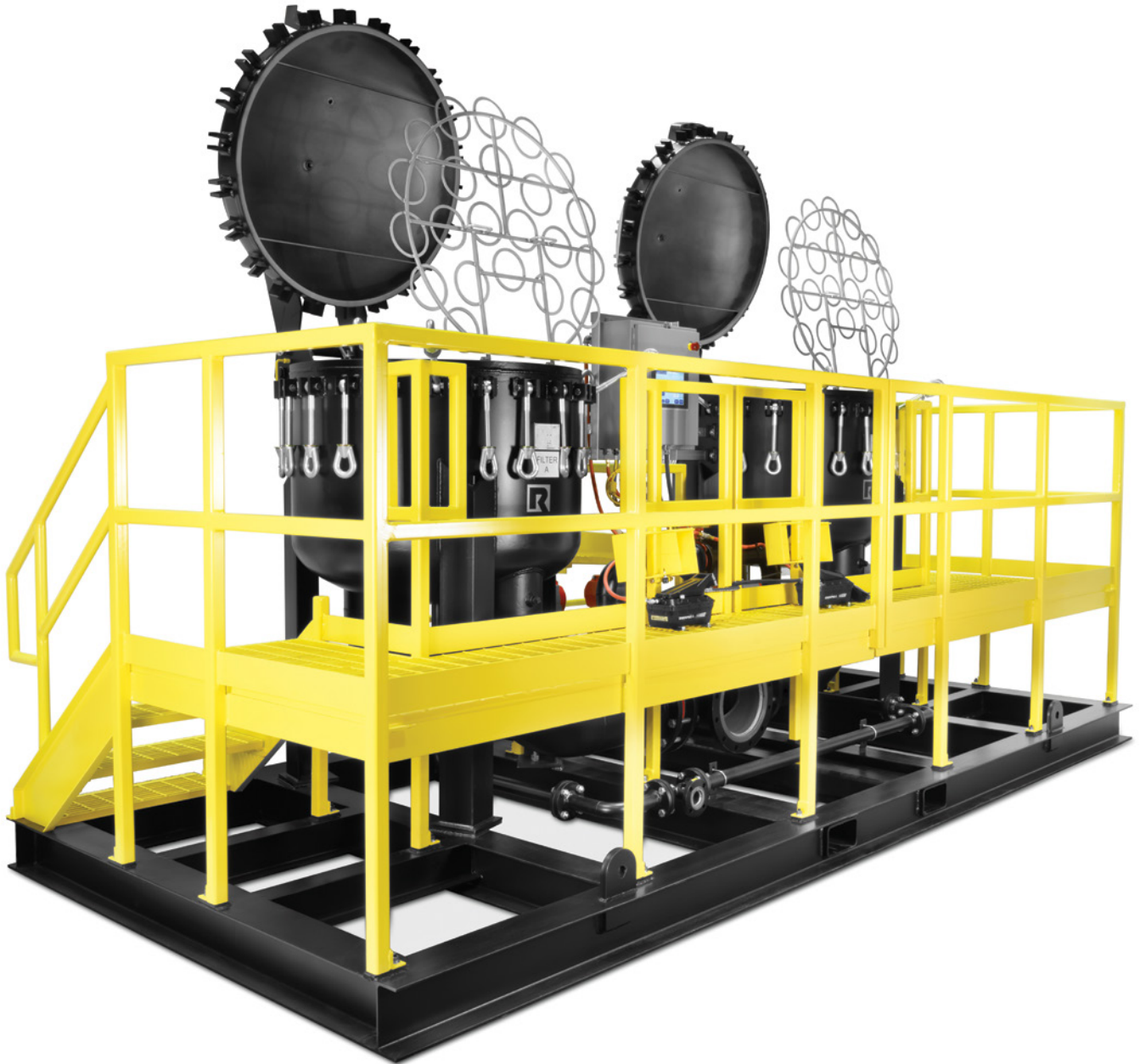
For flow rates up to 4600 gpm

- Contain from 4 to 46 baskets
- Available in 2-inch through 12-inch pipe sizes, flanged
- Two basket depths: 15-inch or 30-inch (nominal)



Model: Auto-Duplex.

Platform Design



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Basket Strainer / Bag Filter

Model: High Flow.

FEATURES

- From 1 to 31 Baskets
- Beta 5000 (99.98% efficiency) rated for consistent product quality
- Operator-friendly cartridge and housing system
- Hinged cover for easy element change-outs
- Standard pressure/temperature ratings to 300 psig and 400°F
- Available in carbon steel or 304 or 316 stainless steel
- ASME code design

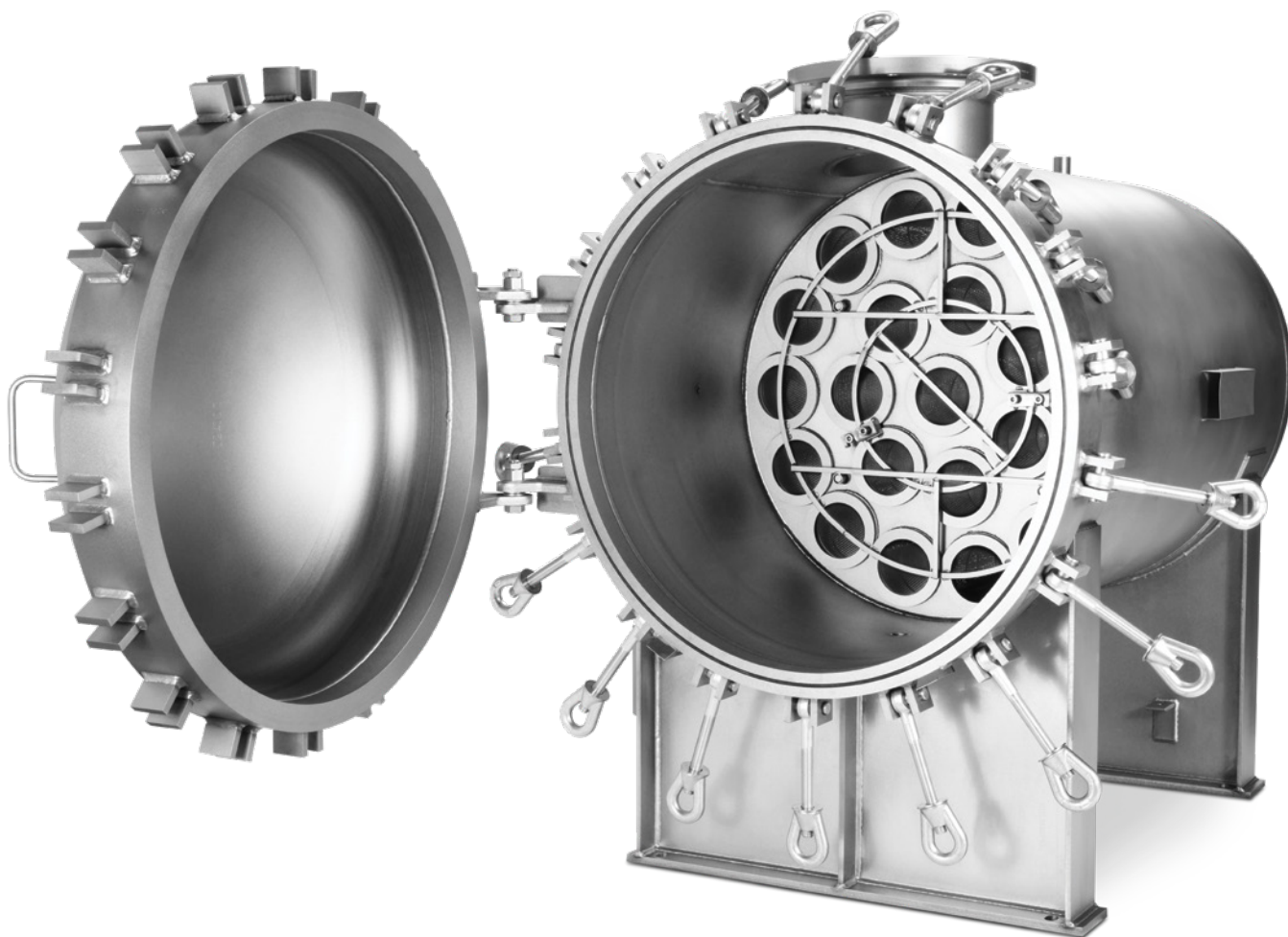
HIGH FLOW ELEMENTS

- 40-inch or 60-inch length
- Removal ratings (microns) 0.5, 1, 5, 10, 20, 40, 70 @ beta 5000 (99.8% efficiency)
- Maximum operating temperature 180°F (82°C)
- Maximum differential pressure 50 psid @ 68°F (3.4 bar @ 20°C)
- Recommended change-out differential pressure 35 psid @ 68°F (2.4 bar @ 20°C)



Model: High Flow.

Performance in a Convenient Design



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Basket Strainer / Bag Filter

Model: Auto-Backwash.

APPLICATIONS

- Self-cleaning filters represent the ideal situation and provide the most productive and labor-free solution. Rosedale Products' ABW is unique because our patented technology backwashes with the lowest volume of liquid. This is achieved by using air to create the shear velocity needed to effectively clean the filter with the clean liquid inside each housing chamber.
- Industries served include: automotive, steel, petroleum, chemical, pharmaceutical, electronics, nuclear power, Superfund sites, groundwater and soil remediation, commercial laundries, entertainment, food, mining, detergents, and paper.
- Applications include: cooling towers, coolants, RO prefilter, food processing, bottling plants, air scrubbers, environmental cleanup, vehicle wash systems, and decorative ponds.

SYSTEM ADVANTAGES

- Reduces process/system downtime
- Reduces operator exposure
- Reduces maintenance costs
- Reduces waste fluid
- Reduces filter element disposal and replacement costs
- Increases productivity



Model: Auto-Backwash.

Continuous Flow Design



Rosedale® Products Inc. Multi-Bag Automatic Backwashing Filtration System
(U.S. Patent No. 11,904,261)

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Basket Strainer / Bag Filter

Model: Custom Systems.

CUSTOM DESIGN

We can build anything from simple modifications on standard housings to customer-specified skid-mounted filtration systems. These can incorporate filters, strainers, separators, controllers, sensors, and automated operations.

Rosedale has a long history of innovative filtration designs. They are as simple as our Model 4 housing or as complex as our multistation automatic backwashing filtration systems. Using our expertise, we work with our clients to manufacture systems that meet their needs. Some of our standard models started out as solutions to a client's need, such as the duplex and multiplex filters or convertible housings.



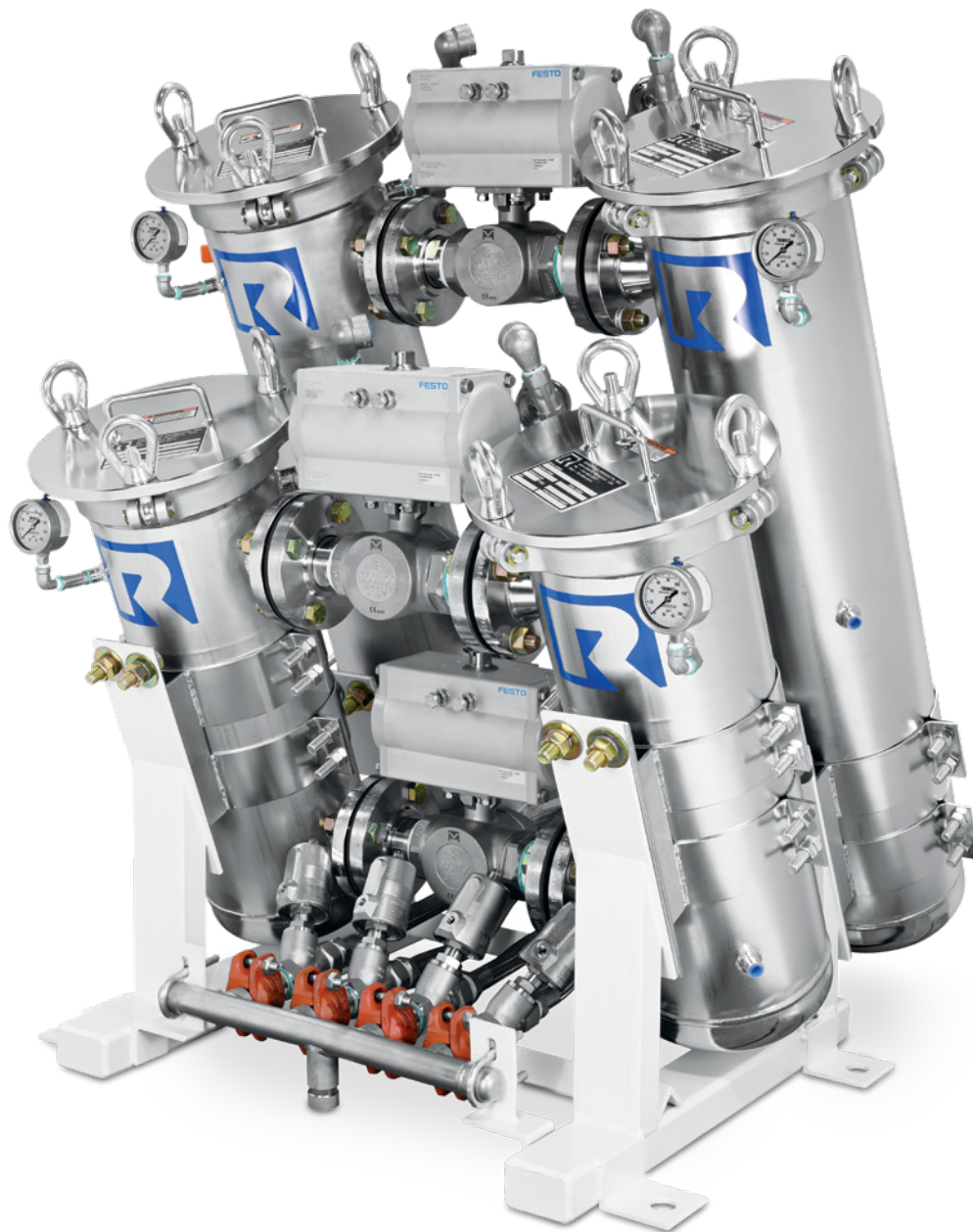
WORKS WITH

- Basket strainers
- Bag filters
- Cartridge filters
- Solids/liquids separators
- Single layer bags
- Multilayer bags
- Bag-sized cartridges
- Wound cartridges
- Membrane cartridges
- Stainless steel cartridges
- "Smart" controls
- Differential pressure sensors
- Pumps and motors
- Controllers
- Skid or cart mounting
- Pit mounting
- Gangways for access



Model: Custom Systems.

Continuous Flow Design



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High-Efficiency Liquid Filter Bags

Filter Bags.

Rosedale offers the widest range of filters and filter bags, including oil-adsorbing, high-temperature, high-capacity bags; high-efficiency liquid filter bags; and Beta Bag® filter bags. The term “beta ratio” or “beta rating” refers to the number of particles upstream divided by the number of particles downstream in a given size. For example, if there are 100 five-micron particles upstream and 50 five-micron particles downstream of the filter bag, then the beta rating for this filter in the five-micron size is 100/50, or 2. In other words, the filter bag is said to have a beta 5 of 2. The efficiency is 50% in the five-micron range.

APPLICATIONS

- Machine Tool Coolant
- Steel Production
- Waste Water Treatment
- Process Water
- Construction Industry
- Hydraulic Industry
- Lubrication Industry
- Oil & Gas Industry
- Pharmaceutical industry
- Food & Beverage Industry
- And Many More



Filter Bags.

Replacement Parts



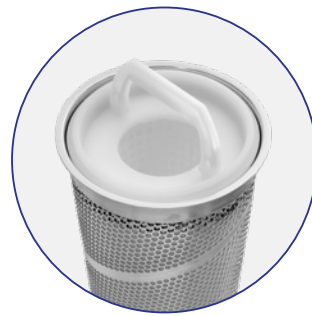
Beta Bag®



RPO Series



Pleated

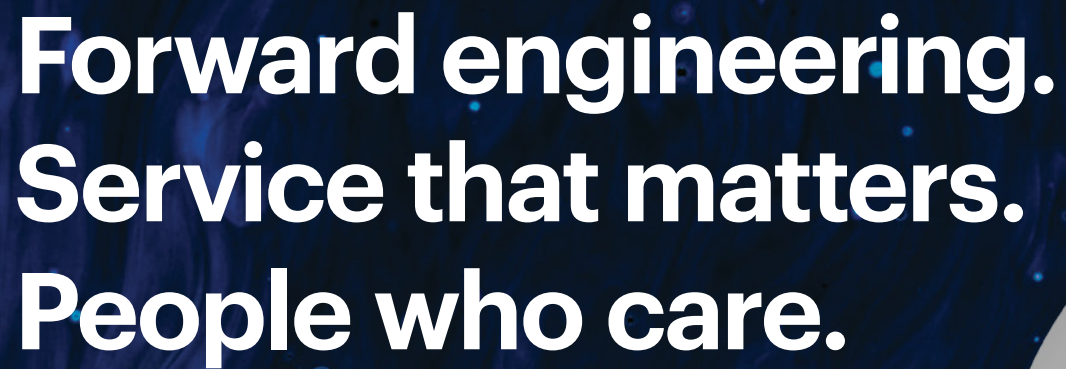


High Flow

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**We're committed
to your vision
with in-stock and
made-to-order
designs.**



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Purification
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