Here at Schroeder Industries, your filtration success story is our filtration success story. That is why we document success and offer a series of Technical Application Bulletins (TABS) at your convenience.

**What's in A TAB?**
What’s featured in a Technical Application Bulletin from Schroeder Industries is real-life partner success. Whether it be a trusted Bulk Diesel Cart (BDC) saving a back-up power generator dealer over $25,000 in annual diesel fuel polishing services, or a high-efficiency Asset Management Filtration Station® (AMFS) doubling the service life of 7,000 gallons of hydraulic fluid per year, we are confident that we have a money-saving solution for you.

Visit us online at www.schroederindustries.com and search through our catalog of products to best have a money-saving solution for you.
Schroeder Industries Process Filtration Group - USA Assembled

On May 17, 2017, a team of Schroeder experts began assembly of the newest generation of Backflushing Filters AutoFil® (RF3-1) here in the United States. Here’s the story:

Day 1:
Our Schroeder experts prepped the shop floor to begin assembly. Shortly after, production on the two, 3 piece shell RF3-1 units began.

Day 1 1/2:
Our team of experts continued with assembling the unit.

Before assembly could begin, a few paint touch ups were needed. While waiting for the paint to dry on the overall shell, the experts laid out parts and assembled areas not connected to the drying vessels.

After 4 successful function and backflush tests, our experts labeled all the porting, ran the wires and put the finishing touches on the RF3-1 filter.

End Result:
The final product was then shipped to the customer seven weeks earlier than our normal standard operating procedures!

“And thus is the story of the first RF3-1 filter from Schroeder Industries manufactured in the U.S.A.”
Schroeder Industries Process Filtration Group - USA Assembled

On May 17, 2017, a team of Schroeder experts began assembly of the newest generation of Backflushing Filters AutoFilt® RF3-1 here in the United States. Here’s the story:

**Day 1:***
Our Schroeder experts prepped the shop floor to begin assembly. Shortly after, production on the two, 3 piece shell RF3-1 units began.

Before assembly could begin, a few paint touch ups were needed.
While waiting for the paint to dry on the overall shell, the experts laid out parts and assembled areas not connected to the drying vessels.

Our experts then began to construct the assembly. The backflush pipe, valve and actuator are installed first, as the filter is assembled bottom up.

**Day 1 1/2:***
Our team of experts continued with assembling the unit.

After 4 successful function and backflush tests, our experts labeled all the porting, ran the wires and put the finishing touches on the RF3-1 filter.

End Result: The final product was then shipped to the customer seven weeks earlier than our normal standard operating procedures!

“And thus is the story of the first RF3-1 filter from Schroeder Industries manufactured in the U.S.A.”
Here at Schroeder Industries, your filtration success story is our filtration success story. That is why we document success and offer a series of Technical Application Bulletins (TABS) at your convenience.

**What’s In A TAB?**
What’s featured in a Technical Application Bulletin from Schroeder Industries is real-life partner success. Whether it be a trusted Bulk Diesel Cart (BDC), saving a back-up power generator dealer over $25,000 in annual diesel fuel polishing services, or a high-efficiency Asset Management Filtration Station (AMFS) doubling the service life of 7,000 gallons of hydraulic fluid per year, we are confident that we have a money-saving solution for you.

Visit us online at www.schroederindustries.com and search through our catalog of products to best have a money-saving solution for you.

---

**Schroeder Product:**
**Type of Machinery:**
**Fluids Addressed:**

---

**Backflushing Filter AutoFilt® | RF3**
- 30 gpm - 33,000 gpm (80 L/min - 125,000 L/min)
- Automatic self-cleaning strainer used for extracting particulate contaminants
- Rugged design and automatic self-cleaning capability gives this filter product the ability to make a major contribution to operational reliability, reduction of maintenance costs and overall efficiency in many process systems.

---

**Results**
Customer 7,000 gallons of hydraulic fluid per year at $6.19 per gallon ($43,330). With the newly extended lifetime of the fluid, Schroeder was able to save the refuse customer $25,000 per year. Since beginning to use the BDC for the fuel polishing, the customer has been able to move all diesel fuel polishing activities in-house saving them over $1,000 per tank rental period.

---

**Solution**
Within a six (6) month timeframe, the customer had to change the hydraulic fluid in their problem trucks. For each contaminated tank, the costs to clean often reached over $1,000 per tank. Required extensive attention to rectify. After a rental period was contaminated with both particulate and water contamination that heavy equipment, all too frequently, the diesel fuel remaining in the equipment returned after use.

---

**Problem**
A refuse customer contacted Schroeder Industries seeking a lower-cost solution in their process system. What’s In A TAB? Schroeder Provides Bulk Fuel Filtration for Heavy-Equipment/Back Up Generator Dealer

---

**Background**
A large, heavy-equipment and back-up power generator dealer (sales, service and rentals) was concerned about the frequency and the high cost associated with utilizing third-party diesel fuel polishing services to clean the rental equipment that is returned. Since beginning to use the BDC for the fuel polishing, the customer has been able to.

---

**Solution**
With all the information gathered, Schroeder suggested the use of an Asset Management Filtration Station (AMFS). By using the AMFS, this allowed for fluid monitoring and necessary fluid treatment during scheduled maintenance. By polishing the fluid and lowering the overall contamination levels, the fluid lifetime was extended from six (6) months to 1.5 years.

---

**Additional Benefits**
- **Maintenance Cost Reduction**
- **Efficient Particle Extraction**
- **Increased Process System Efficiency**

---

**Specifications**
- **Flow Rate:** 25 gpm
- **Type of Machinery:** Bulk Diesel Cart (BDC)
- **Fluids Addressed:** Hydraulic Fluid
- **Dimensions:**
  - L-4529
  - BDC
  - Size: 8
  - Bulk Fuel
  - Fluid: 5µm
  - µm
- **Particulate and Water Absorbing Elements:**
  - The AMFS includes two (2) filter housings (choice of 18" or 27"), for staged filtration.
  - The AMFS includes two (2) filter housings (choice of 18" or 27"), for staged filtration. The AMFS records the ISO codes during cleanup and collects the data on a Microsoft screen terminal while fluid is being filtered.
  - The AMFS includes two (2) filter housings (choice of 18" or 27"), for staged filtration. The AMFS records the ISO codes during cleanup and collects the data on a Microsoft screen terminal while fluid is being filtered. These both provide ISO code and water saturation readouts on a touch screen terminal.
  - A target ISO code can be programmed into the AMFS to stop the unit automatically after target code is reached.
  - A Contamination Sensor (TCM) and a Water Sensor (TWS) are standard equipment.
  - Rugged design and automatic self-cleaning capability gives this filter product the ability to make a major contribution to operational reliability, reduction of maintenance costs and overall efficiency in many process systems.

---

For more information, please contact sisales@schroederindustries.com

---

580 West Park Road | Leetsdale, PA 15056, USA
724.318.1100 phone | 724.318.1200 fax
www.schroederindustries.com