

# Schroeder Industries Custom Roto-Molded Reservoir Solutions

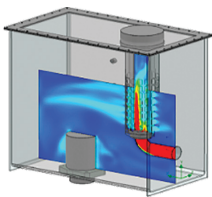
Equipment Manufacturers are always looking for an edge on their competition. Schroeder Industries works every day to help our OEM customers find that edge by partnering to develop advanced engineering solutions to complex problems. Our latest solution platform has been custom roto-molded reservoir solutions.

We have been working hand in hand with many customers across the specialty construction, specialty municipal, and small OEM equipment markets to develop alternatives to the traditional “steel box” style reservoirs. Our custom roto-molded alternatives add tangible value in a variety of ways to our customers above the apparent size and weight savings.

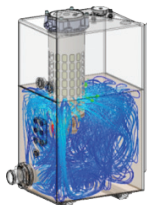
Working with the Schroeder Tank Optimization Team through our advanced Fluid Care Center(FCC) we first review all the design requirements and run the reservoirs through CFD and FEA modeling to prove the reservoirs will perform and desired. This also allows us to determine if a size reduction is possible.



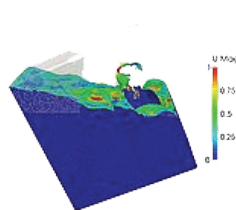
## Tank Simulations (Computer-aided optimization of tank systems)



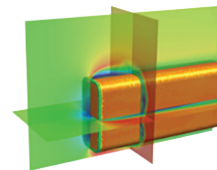
Flow



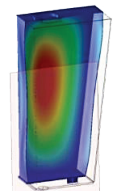
Deaeration



Sloshing



Thermal



Structural

Schroeder Industries' ability to not only review the reservoir design but also match this design with the appropriate reservoir filtration and accessories is where our added value really begins to shine. Our reservoirs will be provided fully assembled and ready to “plug & play” into OEM equipment. A typical reservoir will come assembled with the filter, breather, sight glass, and suction strainer ready to go saving OEM's valuable labor time from component assembly. They are delivered certified clean to the Schroeder developed cleanliness specification or custom OEM desired cleanliness level upon request. This saves OEM's thousands in hydraulic flushing procedures yearly and frees up their employees for higher-value work.

**Schroeder**  
**INDUSTRIES**

Advanced Fluid Conditioning Solutions®

PROUDLY MANUFACTURED IN THE UNITED STATES

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# Schroeder Industries Custom Roto-Molded Reservoir Solutions

The Schroeder custom roto-molded reservoirs are also available with our patented GeoSeal® quality protected elements. The GeoSeal® element has a patented housing interface that is unique to Schroeder products. The quality protection helps to ensure that the proper elements are used every time and not replaced with cheap knock offs that degrade the hydraulic system's cleanliness. This option can save OEM's thousands in warranty claims and substantially decrease the total cost of ownership on their machines. A valuable selling tool against an OEM's competition. GeoSeal® elements when private labeled for an OEM also drive replacement element sales back to the OEM and generate a valuable revenue stream.

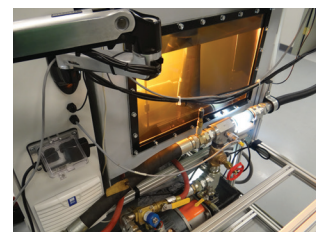
Our latest OEM success story was from an auto transport trailer manufacturer. Schroeder was not only able to add the type of value listed above but by working with our distributor were able to integrate the OEM's pump motor group to the tank as well. This provided the OEM with a compact package saving them size and weight. An additional benefit was being able to issue a single purchase order for the package where they previously had been issuing 8 separate purchase orders, giving them additional saving on their administration costs.

Schroeder Industries has found opportunity to help OEM's in these applications and beyond: service trucks, lift trucks, delivery trucks, small street maintenance equipment, car carriers, hydraulic dump trucks, rail maintenance equipment, and flat-bed mounted crane equipment. Our attention to customer service and customer support will ensure the best solution is explored and implemented. Schroeder Industries brings years of experience to assist in the design process and our expertise will assist with testing best practices and products for complex reservoirs needs.



## Experience & Know-How

- Many years of experience in the field of "Air In Oil"
- Research & Development Center for Filtration
- Innovative lab and test equipment
  - Individual system analysis
  - Customized and application-specific solutions



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