Order Information -

Schroeder’s TNK Series Complete Plastic Tank Solutions come in four (4) performance optimized sizes, all with added options such as tooling, SAE fittings and connections, and top-of-the-line breather, gauges, and return-line filter products. At Schroeder, our TNK products come readily available with an 8-week lead time, no lengthy development and tooling period, and in a single purchase order.

### TNK7

- **Complete hydraulic tank solution (7 gal.) with included accessories.**
- **Options:** Filter, breather, sight glass, strainer, & band strap options
- **Element Clearance:** 5” (127 mm)
- **Vol.:** 7 gal.
- **Flow:** 35 gpm
- **Weight:** 16 lbs.

### TNK12

- **Complete hydraulic tank solution (12 gal.) with included accessories.**
- **Options:** Filter, breather, sight glass, strainer, & band strap options
- **Element Clearance:** 10” (254 mm)
- **Vol.:** 12 gal.
- **Flow:** 40 gpm
- **Weight:** 21 lbs.

### TNK18

- **Complete hydraulic tank solution (18 gal.) with included accessories.**
- **Options:** Filter, breather, sight glass, strainer, & band strap options
- **Element Clearance:** 10” (254 mm)
- **Vol.:** 18 gal.
- **Flow:** 40 gpm
- **Weight:** 33 lbs.

### TNK25

- **Complete hydraulic tank solution (25 gal.) with included accessories.**
- **Options:** Filter, breather, sight glass, strainer, & band strap options
- **Element Clearance:** 12” (305 mm)
- **Vol.:** 25 gal.
- **Flow:** 75 gpm
- **Weight:** 45 lbs.

Visit us online at [www.schroederindustries.com](http://www.schroederindustries.com) for our complete product offering!
Overview - Hydraulic Tanks

Schroeder Industries believes that a hydraulic tank is much more than a container of fluid. If properly designed, a hydraulic tank can improve the performance of the entire hydraulic system. Functions such as heat dissipation, de-aeration, and settling of contaminants can be improved with a properly designed hydraulic tank.

Schroeder Industries inspects and ensures that every TNK Series Complete Plastic Tank Solution performs at the highest level possible!

Our TNK Solutions endure the most stringent of test conditions and hold an added bonus against the competition - they come in both HDPE and Polypropylene options. This has added benefits when compared to traditional metal tanks.

Traditional Tank vs. TNK Optimized Design Considerations

A customer came to Schroeder seeking additional room in their hydraulics' equipment space. The customer was using a system reservoir sized at 27 gallons (Figure 3). Upon further evaluation and from the power of a single-phase CFD, we were able to optimize their system to an 18 gallon TNK18 (Figure 4) without missing a beat in productivity.

Study of Flow Trajectories and Residence Time Using Single-Phase CFD

Schroeder's TNK Series

Hydraulic Accessories:
In addition to a high-performing hydraulic tank solution, Schroeder also includes hydraulic accessories with each TNK Complete Plastic Tank, including:

- Tank Straps
- Oil Sight Glasses
- Indicators
- Test Points
- Test Equipment
- Particulate & Desiccant Filter Breathers
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### Traditional Tank vs. TNK Optimized Design Considerations

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<th>Study of Flow Trajectories and Residence Time Using Single-Phase CFD</th>
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<td>Traditional Tank</td>
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<td>Schroeder’s TNK Series</td>
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- **Endurance**
- **Lightweight/Space-Saving**
- **Oil Deterioration/Reduced Lubricity**
- **Cavitation Damage**
- **All-in-one hydraulic solution**
- **Backed by Schroeder’s 70+ years of hydraulics experience**

### Hydraulic Accessories:

In addition to a high-performing hydraulic tank solution, Schroeder also includes hydraulic accessories with each TNK Complete Plastic Tank, including:

- Tank Straps
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- Test Points
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![Figure 3: flow temp thru customer tank](image)

![Figure 4: flow temp thru Schroeder tank](image)

**Savings**

| Traditional Tank | w/o Optimization | 27 gal. |
| Schroeder’s TNK Series | w/ Optimization | 18 gal. |

**Tank Volume**

+9 gal.
**Order Information**

Schroeder’s TNK Series Complete Plastic Tank Solutions come in four (4) performance-optimized sizes, all with added options such as tooling, SAE fittings and connections, and top-of-the-line breathers, gauges, and return-line filter products. At Schroeder, our TNK products come readily available with an 8-week lead time, no lengthy development and tooling period, and in a single purchase order:

If properly designed, a hydraulic tank can improve the performance of an entire hydraulic system. Our TNK Series Complete Plastic Tank Solution ensures the highest level of tank performance every time.

### TNK7
- Complete hydraulic tank solution (7 gal.) with included accessories.
- Options: filter, breather, sight glass, strainer, & band strap options
- Element Clearance: 5" (127 mm)
- Filter: MTB
- Flow: 35 gpm
- Weight: 16 lbs.

### TNK12
- Complete hydraulic tank solution (12 gal.) with included accessories.
- Options: filter, breather, sight glass, strainer, & band strap options
- Element Clearance: 10" (254 mm)
- Filter: ZT/GZT
- Flow: 40 gpm
- Weight: 21 lbs.

### TNK18
- Complete hydraulic tank solution (18 gal.) with included accessories.
- Options: filter, breather, sight glass, strainer, & band strap options
- Element Clearance: 10" (254 mm)
- Filter: ZT/GZT
- Flow: 40 gpm
- Weight: 33 lbs.

### TNK25
- Complete hydraulic tank solution (25 gal.) with included accessories.
- Options: filter, breather, sight glass, strainer, & band strap options
- Element Clearance: 12" (305 mm)
- Filter: RT/GRT
- Flow: 75 gpm
- Weight: 45 lbs.

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