

Bolted “RTP Smoothwall” Construction by Tank Connection . . . The Right Choice!



**Bolted RTP Tank Design**

Panels are horizontal 5’ ht. x 10’ length

Utilizes RTP (rolled, tapered panel) technology for precision alignment and exact fit.

RTP tank construction is the premier bolted tank design available in today’s market for dry bulk and liquid storage applications . . . worldwide.

The RTP design combines the best qualities of field-weld and bolted tank construction into the highest quality modular design ever developed in the bolted storage tank industry.

RTP tanks are jacked from grade level utilizing a synchronized hydraulic screw jacking process, which is rated as the safest tank construction process available in the industry. RTP tanks can also be scaffold built.

**Product Review:**

- ✓ Top #1 bolted storage tank design
- ✓ The no leak bolted storage tank
- ✓ No internal ledges
- ✓ Heavy tank designs for industrial service (up to ½” plate)
- ✓ Fusion powder coating wrap-around on steel
- ✓ Field construction – top rated process, jacked from grade level

**Product Rating Dry Bulk: Excellent**  
**Product Rating Liquid: Excellent**



**API 12B Flanged Panel Tank**

Panels are vertical 8’ ht. x 5’ wide

Utilizes an exterior horizontal flange connection referred to as a chime.

The API 12B flanged panel tank is an outdated bolted tank design that originated in the oil patch territories in the early 1900’s. The big problem with the flanged panel design is the exterior horizontal flange/chime connection, which has a history of continuous leaks. Additionally, the exterior flange connection creates a ledge that holds material and moisture, which can easily remove paint and stain the tank. Typically, you will witness this product in the field with rusty horizontal connections from top to bottom of tank.

**Product Review:**

- ✓ Archaic / outdated tank design
- ✓ Chime lap connection has a history of continuous leaking
- ✓ Light tank designs only (up to ¼” plate)
- ✓ Horizontal flange connection creates 2” exterior ledge which holds moisture, material and rusts quickly
- ✓ Internal ledge holds material
- ✓ Outdated construction process elevates field installation crews in the air on scaffold planks

**Product Rating Dry Bulk: Poor to Avg.**  
**Product Rating Liquids: Poor to Avg.**  
**Product Rating Crude Oil: Average**



**Bolted VFP Tank Design**

Panels are vertical 8’ ht. x 5’ wide

Utilizes VFP (vertical flat panel) design developed to remove the problematic (chime) flange connection on the API 12B tank.

VFP tank construction is a poorly conceived tank design. The use of this product has been limited and the product review is poor. When scaffold built, the tall & narrow panels tend to fold over in low wind conditions. (The panels have no arc rigidity.) To offset panel failure during field construction, erection crews utilize make-shift girders to hold panels in place or require the additional use of cranes to lift assembled ring sections.

Field construction is unsafe and will not meet today’s field safety requirements.

**Product Review:**

- ✓ Vertical flat panels – poor design
- ✓ Unsafe field installation process
- ✓ Designed to replace the API 12B tank design
- ✓ Outdated construction process elevates field installation crews in the air on scaffold planks
- ✓ Aesthetic review – poor

**Product Rating Dry Bulk: Poor**  
**Product Rating Liquid: Poor**