



## BOLTED TANKS FOR FIRE PROTECTION

Formed in 1987, the company Apro Industrie has quickly become a major player in the fire protection market by specializing in the manufacture and assembly of bolted metal tanks for water storage.

Apro Industrie is currently maintaining a fleet of more than 6,000 tanks used for applications such as sprinkler tanks, tanks for fire fighters, tanks for antifreeze mixture and other such water storage tanks for fire protection.

### Product

This modular, factory prefabricated tank consists of a cylindrical metal structure made of galvanised mild steel maintaining a liner which ensures the water tightness. The above-ground tank is anchored onto a concrete slab.

Apro Industrie tanks are manufactured according to ISO 9001 quality standards.

#### 1 - Shell

The Apro Industrie tanks shell is made up steel panels (2500x1250mm) prepared at the factory and bolted together on site to form rings. The rim angles, curved to the exact diameter of each tank, reinforce the metal shell. The plates, bolts and angles are hot-dip galvanised steel.

#### 2 - Water Tightness

The tanks water tightness is provided by a factory prefabricated liner to the dimensions of the tank. This liner also forms the base of the tank and lies on a protective, geotextile matting bag which is placed on top of the concrete slab prior to the liner being installed.

The tanks can also be sealed with mastic between the sheets.

#### 3 - Covers

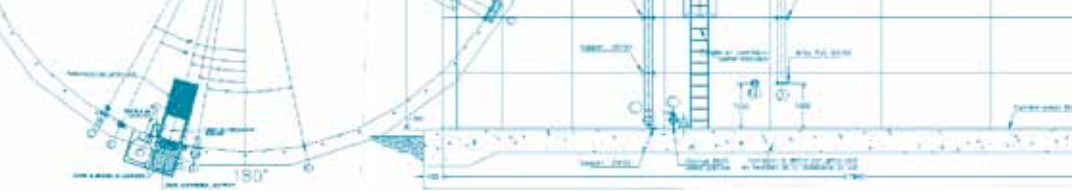
The self-supported cover consists of profiled roof panels, supported on a galvanised steel structure. It preserves the quality of the stored water from light and external elements.

Each cover includes a padlocked inspection hatch and a flashing all around the cover edge.

Standard covers are designed to withstand 0.75 kN/m<sup>2</sup>.

Tanks within buildings can be covered with flexible liner roof.





## 4 - Ancillaries and options

Apro Industrie tanks can be supplied with the following ancillaries :

- ▣ External aluminium caged ladder with a maintenance level
- ▣ An access platform to the inspection hatch
- ▣ Low level tank shell manway
- ▣ Hydrostatic level gauge
- ▣ Pipework (suction with anti vortex plate, infill, overflow, test-return, drain...)

Options :

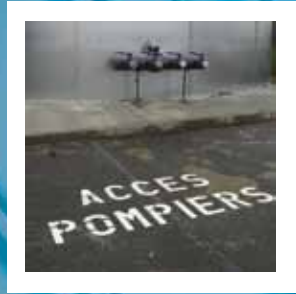
- ▣ Heater
- ▣ Measurement and level control equipment
- ▣ Cladding rails with or without insulation for temperature control

To meet aesthetic and environmental targets, the tanks are available with an external polyester painting baked in a furnace at the RAL colour of your choice.

## Services

With over 20 years of experience, Apro Industrie offers its customers:

A specialised engineering department for customized technical studies.  
 An efficient contract management service ensuring that the full on-going project program is managed from order placement, through manufacturing to tanks delivery and installation on site.  
 Experienced crews and supervisors to achieve worldwide on-site tank erection.  
 After sales service guarantee.



## The advantages of the bolted tank technology

Apro Industrie tanks offer many advantages:

- Cost price less than a welded or concrete tank with the same capacity
- Very short lead time whatever the season
- Highly reduced transport cost due to kit packing
- A modular design allows:
  - ▣ Tank erection within buildings, in cramped site or difficult to access
  - ▣ Increasing the initial tank capacity
  - ▣ The tank can be dismantled if necessary (building extension...)

## Standards

Apro Industrie tanks standard design meets APSAD and NF EN12845 requirements. They are accepted by many international organisations and are approved by FM (Factory Mutual), LPCB (Loss Prevention Certification Board) and WRC (Water Research Council).



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