



TANK STORAGE SOLUTIONS

BOLTED FIRE FIGHTING WATER TANKS
 > FIRE PROTECTION
**APRO INDUSTRIE**

For over 30 years, APRO Industrie has been designing, manufacturing and building modular bolted steel tanks, offering turnkey solutions for liquid storage.

Founded in 1987, APRO Industrie has quickly become a major international player and a trusted brand in the fire protection market.

APRO Industrie today:

- > More than 15,000 tanks in use worldwide
- > Tanks with capacities of up to 25,000 m³
- > A global expertise in liquid storage

SOLUTIONS

Bolted steel tanks for liquid storage.

Design, manufacture, building and maintenance.

APPLICATIONS

- > Fire sprinkler water storage tanks
- > Fire fighting water storage tanks
- > Antifreeze mixture tanks (*glycol*)
- > Extinguishing water recovery tanks

ADVANTAGES OF THE BOLTED TANK TECHNOLOGY

- > Competitive price
- > Custom dimensions
- > Short manufacturing lead times
- > All parts manufactured in a factory-controlled setting
- > No welding on site
- > Reduced transport costs (*tanks bolted on site*)
- > Simple, fast and safe construction (*can be assembled by local workforce*)
- > Modular (*ease of disassembly, reassembly, upgrade*)
- > Low maintenance
- > Long life span

SERVICES

Our know-how and experience is demonstrated by:

- > An integrated engineering department capable of designing our tanks for installation in any geographical area
- > An integrated production unit in complete control of the manufacturing process
- > An efficient logistical service with worldwide reach
- > A team of project managers who ensure the daily follow-up and the technical management of projects, from design to commissioning
- > Supervisors and experienced fitters who install all of our tanks in compliance with technical and regulatory requirements
- > A reliable and responsive after-sales service
- > A deep rooted QSE (*quality, security and environment*) corporate culture combined with a logic of continuous improvement
- > Global support for projects abroad

STANDARDS

Our tanks:

- > Are manufactured according to ISO 9001 quality standards
- > Meet the standards of APSAD, NF EN12845, FM (*Factory Mutual*), EUROCODES, AWWA ...
- > Are designed to withstand all climatic conditions (*seismicity, wind, snow*)

BOLTED FIRE FIGHTING WATER TANKS

APRO Industrie tanks are entirely prefabricated in our factory, guaranteeing an optimal and constant level of quality.

SHELL

- › Our cylindrical tanks consist of factory prefabricated steel sheets, delivered as a kit and bolted together on site
- › The shell is stiffened by rim angles, curved to the diameter of the tank
- › All structural elements are made of hot-dip galvanized steel

WATER TIGHTNESS

Tank water tightness can be provided by:

- › Liner (*factory prefabricated technical membrane fitted to the tank's dimensions*)
- › Mastic sealant (*applied between sheets*)

COVERS

The cover preserves the quality of stored water from light and external elements. The roof is self-supporting and made of profiled panels attached to a galvanized steel frame. The cover comes equipped with a lockable inspection hatch and a protective flashing all around the cover edge.

CONCRETE SLAB

Our tanks are fixed on a concrete base which supports the weight of the tank and water.

ANCILLARIES

- › External aluminium caged ladder with a maintenance level
- › Lockable roof inspection hatch
- › Manway at the bottom of the tank
- › Hydrostatic level gauge
- › Pipework (*suction with anti-vortex plate, infill, overflow, drain, test-return...*)
- › Brackets for external pipes

OPTIONS

- › Access platform to the inspection hatch
- › External pipes (*filling, overflow*)
- › External polyester paint, RAL color of your choice
- › Internal thermal insulation (*shell and roof*)
- › External cladding rails for installation of external thermal insulation
- › Heating device with convection chamber
- › Water level control device



> FIRE PROTECTION

> URBAN AND INDUSTRIAL EFFLUENTS

> OIL & GAS - ENERGY

> POTABLE WATER & PROCESS WATER

> TANK COVERS

> MAINTENANCE AND ANCILLARIES



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