

Innovative Methods of Chemical Storage



STANDARD FEATURES:

- Double-wall design - external tank with a capacity of 110% of the internal tank volume.
- 16" inspection hatch to the external tank with the possibility of closing.
- 16" inspection hatch to the internal tank available only after the dismantling of the tank (only capacities 3500, 5000, 9000l).
- 4" inspection hatch to the internal tank.
- 2" male threaded ferrule in the internal tank (inlet).
- 2" male threaded ferrule that passes through both coats (e.g. to connect tapping system).
- 1.5" female threaded ferrule that passes through both coats (e.g. to connect level sensor).
- 2" female threaded ferrule that passes through both coats with a vent.
- Electronic leak sensor.

OPTIONAL FEATURES

- Extension for tanks with a capacity of 1200, 2500, 3500, 5000 and 9000 litres to protect additional equipment such as pumps, sensors, filling line connection, TMS*, etc.
- Suction pipe with non-return valve and mesh filter.
- Pump with power supply (12V DC, 24V DC or 230V AC) or pneumatic supply, selected depending on the medium and the required capacity.
- Distribution hose, optional hose reel.
- Nozzle with handle (possibility to integrate pump switch in the handle).
- Systems to keep chemicals in their optimal temperature range (PU internal tank insulation, heating tape, exhaust fan).
- Ultrasonic level sensor with display (Watchman Sonic Plus) with integrated leak sensor between coats; the system consists of a probe with a transmitter situated in the device and wireless receiver in any 230V socket within 200m from the tank; the display shows the current oil level (on a 10 grade scale) and information about possible leaks.
- Possibility to install any other equipment after consultation with the client.

*TMS (Tank Management System) control box enables the comprehensive management of the tank. TMS has the following features:

- Level indicator,
- Leak sensor,
- Flow meter display,
- Run dry protection for pump,
- Maximum level alarm,
- Overcurrent protection devices for pump and other equipment,
- Tank heating and cooling system control,
- Output to connect the GSM telemetry,
- Extension lighting control,
- All settings programmable via RS232.

The Chemotank can store most of the popular chemicals*.

| Substance / concentration | Ferrous (IV) sulphate (III) / saturated |
|------------------------------------|---|
| Acetic acid / 80% | Formic acid / 100% |
| Ammonia / 100% | Hydrochloric acid / 35% |
| Ammonium aluminium sulphate / 100% | Hydrogen / 100% |
| Ammonium chloride / saturated | Hydrogen peroxide / 90% |
| Ammonium hydroxide / 28% | Isopropyl Alcohol / 100% |
| Barium bromide | Methyl alcohol / 100% |
| Calcium chloride and sulphate | Nitric acid / 40% |
| Calcium nitrate / 50% | Phosphoric acid / 85% |
| Chromic acid / 50% | Sodium carbonate / saturated |
| Ethyl alcohol / 100% | Sodium chloride / saturated |
| Ethylene glycol / 100% | Sodium hydroxide / 50% |
| Ferric chloride (III) / saturated | Stearic acid / 100% |
| Ferric sulphate / saturated | Sulfuric acid / 70% |
| Ferric chloride (II) / saturated | Urea - AdBlue |

* If you need information about chemicals not included on the list above, please contact Kingspan Environmental directly.

TITAN is a range of double-wall tanks made from medium density polyethylene, which guarantee safe storage of chemicals. The double-wall design is tough enough to withstand mechanical damage and at the same time provides additional security against chemical leaks. The high-quality material makes the tanks resistant to virtually all chemical substances, as well as adverse weather conditions and UV radiation. Thanks to their effective protection systems, Chemotanks can be used both inside and outside buildings.

Using Chemotanks means rapid installation, ability to easily change the place of foundation in a reasonable price.



Tank inspection hatch

| Product code | Capacity [l] | Length [m] | Width [m] | Height [m] |
|--------------|--------------|------------|-----------|------------|
| BCH002000R | 200 | 0.76 | 0.76 | 1.25 |
| BCH006000R | 600 | 1.44 | 0.85 | 1.25 |
| BCH010000R | 1000 | 2.22 | 0.76 | 1.50 |
| BCH012000R | 1200 | 1.90 | 1.24 | 1.37 |
| BCH025000R | 2500 | 2.46 | 1.46 | 1.55 |
| BCH035000R | 3500 | 2.20 | 2.20 | 1.93 |
| BCH050000R | 5000 | 2.23 | 2.23 | 2.34 |
| BCH090000R | 9000 | 2.45 | 2.45 | 2.95 |

Dimensions variability may reach +/- 1%.

Chemotank is covered by a 10-year warranty; the equipment carries a 2-year warranty.

The warranty applies to the product used in a manner consistent with manufacturer's recommendations.

Kingspan Environmental can provide advice and technical expertise on choosing the right tank to the substance, which will be stored in it.

Necessary information to be provided when ordering a product:

- Material Safety Data Sheet (MSDS),
- Temperature,
- Absolute weight (density in kg/m³),
- Site (inside or outside the building),
- Concentration (%),
- Filling and emptying speed,
- Information on current materials/tanks used for storing chemicals.

Distributor:


Kingspan
Environmental

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BS EN ISO 9001:2008
FM 57348

The exact hues of the colours presented in the flyers may differ, depending on the quality of print.

Product specifications may be slightly modified; to obtain an up-to-date equipment specification, contact the office or the nearest distributor.

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