

# CHEMSTORE TANKS

IDEAL SOLUTION FOR INDUSTRIAL PLANTS,  
CHEMICAL PLANTS AND WORKSHOPS.

**Kingspan**

**TITAN**<sup>®</sup>

» ENVIRONMENTALLY FRIENDLY

# CHEMSTORE TANKS

## ENSURE SAFE COLLECTING AND STORAGE OF CHEMICAL SUBSTANCES

### ADVANTAGES

- Tanks are highly resistant to mechanical damage, changing weather conditions and UV radiation.
- Double-wall design provides security against the leakage of stored chemicals.
- Due to the numerous safeguards, tanks may be located inside and outside the buildings.

#### SUBSTANCE / CONCENTRATION

ACETIC ACID / 80%	ETHYLENE GLYCOL / 100%	METHYL ALCOHOL / 100%
AMMONIA / 100%	FERRIC CHLORIDE (III) / SATURATED	NITRIC ACID / 40%
AMMONIUM ALUMINIUM SULPHATE / 100%	FERRIC SULPHATE / SATURATED	PHOSPHORIC ACID / 85%
AMMONIUM CHLORIDE / SATURATED	FERRIC CHLORIDE (II) / SATURATED	SODIUM CARBONATE / SATURATED
AMMONIUM HYDROXIDE / 28%	FERROUS (IV) SULPHATE (II) / SATURATED	SODIUM CHLORIDE / SATURATED
BARIUM BROMIDE	FORMIC ACID / 100%	SODIUM HYDROXIDE / 50%
CALCIUM CHLORIDE AND SULPHATE	HYDROCHLORIC ACID / 35%	STEARIC ACID / 100%
CALCIUM NITRATE / 50%	HYDROGEN / 100%	SULFURIC ACID / 70%
CHROMIC ACID / 50%	HYDROGEN PEROXIDE / 90%	UREA - ADBLUE
ETHYL ALCOHOL / 100%	ISOPROPYL ALCOHOL / 100%	

Capacity and specification of the tank is assessed individually depending on the type of stored liquid. Not all the chemicals listed may be stored in all offered tanks. Factors such as density, chemical concentration, temperature etc. affect the decision whether a suitable tank can be supplied. Regardless of the above list of chemical resistance, tanks with capacity from 200 to 2500 liters can store chemicals with a density up to 1100 kg/m<sup>3</sup>. Tanks with capacity from 3500 to 9000 liters can store chemicals with a density up to 1400 kg/m<sup>3</sup>.

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/m<sup>3</sup>),
- Site (inside or outside the building),
- Filling and emptying speed,
- Information on current materials/tanks used for storing chemicals.









### STANDARD EQUIPMENT

- 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.

### OPTIONAL EQUIPMENT

- 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.
- Electronic leak sensor.
- 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 (WatchmanSonic 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.

### AVAILABLE CAPACITIES AND DIMENSIONS

							
<b>PRODUCT CODE</b> BCH00200OR	<b>PRODUCT CODE</b> BCH00600OR	<b>PRODUCT CODE</b> BCH01000OR	<b>PRODUCT CODE</b> BCH01200OR	<b>PRODUCT CODE</b> BCH02500OR	<b>PRODUCT CODE</b> BCH03500OR	<b>PRODUCT CODE</b> BCH05000OR	<b>PRODUCT CODE</b> BCH09000OR
<b>Capacity</b>   200 l <b>Length</b>   0.76 m <b>Width</b>   0.76 m <b>Heigh</b>   1.25 m	<b>Capacity</b>   600 l <b>Length</b>   1.44 m <b>Width</b>   0.85 m <b>Heigh</b>   1.25 m	<b>Capacity</b>   1000 l <b>Length</b>   2.22 m <b>Width</b>   0.76 m <b>Heigh</b>   1.50 m	<b>Capacity</b>   1200 l <b>Length</b>   1.90 m <b>Width</b>   1.24 m <b>Heigh</b>   1.37 m	<b>Capacity</b>   2500 l <b>Length</b>   2.46 m <b>Width</b>   1.46 m <b>Heigh</b>   1.55 m	<b>Capacity</b>   3500 l <b>Length</b>   2.20 m <b>Width</b>   2.20 m <b>Heigh</b>   1.93 m	<b>Capacity</b>   5000 l <b>Length</b>   2.23 m <b>Width</b>   2.23 m <b>Heigh</b>   2.34 m	<b>Capacity</b>   9000 l <b>Length</b>   2.45 m <b>Width</b>   2.45 m <b>Heigh</b>   2.95 m

Product dimensions may vary within +/- 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.

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.

Distributor:

