



## Zagns

CHLORINE - CHLORE - CHLOR

The 4-axle rail tank (Zagns) car with a capacity of 53 m<sup>3</sup> is designed for the transport of **Chlorine**.

The wagon complies with the latest European legislations in force (4th Railway Package) and RID 2019.

Le wagon-citerne (Zagns) à 4 essieux, d'une capacité de 53 m<sup>3</sup>, est conçu pour le transport de **Chlore**.

Le wagon est conforme aux dernières législations européennes en vigueur (4e paquet ferroviaire) et au RID 2019.

4-achsiger Kesselwagen (Zagns) mit einem Ladevolumen von 53 m<sup>3</sup>, geeignet für den Transport von **Chlor**.

Der Wagen entspricht den neuesten geltenden europäischen Rechtsvorschriften (4. Eisenbahnpaket) und dem RID 2019.



### General specifications



### Caractéristiques générales

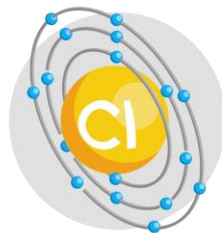


### Allgemeine Spezifikationen

|                              |                        |                         |  |
|------------------------------|------------------------|-------------------------|--|
| Gross weight                 | Poids total sur rail   | zul. Gesamtgewicht      | 90 t   |
| Capacity                     | Capacité               | Gesamtvolumen           | 53 m <sup>3</sup>  |
| Tare weight                  | Tare                   | Eigengewicht            | 24.3 t   |
| Length over buffers          | Longueur hors tout     | Länge über Puffer       | 12.50 m  |
| Distance between outer axles | Longueur de pesage     | Abstand äußere Radsätze | 9.26 m   |
| Tank code                    | Code citerne           | Tankcode                | P22DH  |
| Working temperature          | Température de service | Betriebstemperatur      | -40°C/+50°C  |
| Working pressure             | Pression de service    | Betriebsdruck           | 17 bar   |
| Tank material                | Matériau Citerne       | Werkstoff               | Carbon steel<br>(fine grained)<br>Acier carbone<br>(à grain fin)<br>Kohlenstoffstahl<br>(fein gekörnt) |

## Transported products - Produits transportés - Transportierbare Produkte

Chlorine/Chlore/Chlor





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Fittings

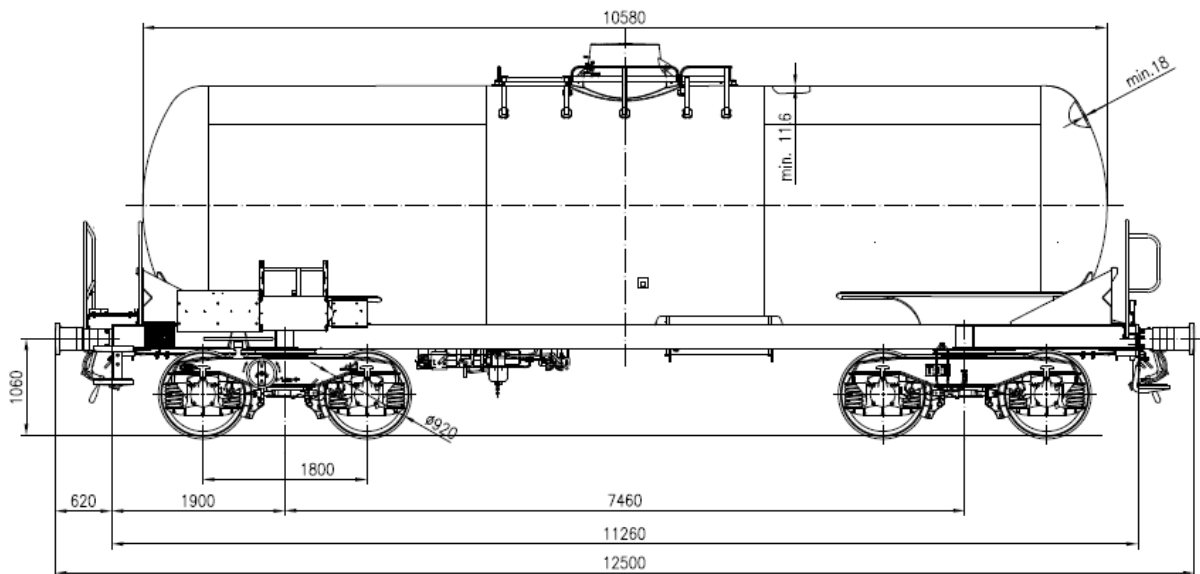


Équipements



Ausstattung

|   |   |  |   |
|---|---|--|---|
| Top loading/unloading                             | Remplissage / Vidange haute                             | Befüllung/Entleerung von oben  | Yes/Oui/Ja  |
| Valves<br>(Comply with Eurochlor recommendations) | Vannes<br>(Conformes aux recommandations Eurochlor)     | Armaturen<br>(in Übereinstimmung mit den Empfehlungen von Eurochlor) | Phoenix DN40  |
| Crash Buffers<br>(Reversible Energy absorption)   | Tampons anti-crash<br>(Absorption d'énergie réversible) | Crashpuffer<br>(Reversible Energieabsorption)                        | Yes/Oui/Ja - 400 kJ<br>(70 kJ). Cat. C  |
| Anti climbing system                              | Dispositif anti-chevauchement                           | Überpufferungsschutz   | Optional  |
| Integrated compact brake system                   | Système de freinage intérieur, intégré sur bogie        | Kompaktes Bremssystem  | Yes/Oui/Ja  |
| Digital ready distributor (GP-A)                  | Groupe distributeur digitalisable (GP-A)                | Digitalisierbares Steuerventil (GP-A)                                | Yes/Oui/Ja  |
| Derailment detector device                        | Détecteur de déraillement                               | Entgleisungsdetektor   | Yes/Oui/Ja  |
| TE25 protective shield                            | Bouclier de protection TE25                             | Schutzschild gem. TE25   | At each end of the wagon<br>A chaque extrémité du wagon<br>An jedem Ende des Wagens |
| TE25 Tank wall thickness                          | TE25 Epaisseur de paroi fonds de citerne                | Wanddicke Tankböden gem. TE25  | 18 mm   |
| Atex GPS Tag                                      | Balise GPS Atex   | GPS Telematik (Atex)   | Yes/Oui/Ja  |



### Loading - Chargement - Lastgrenzenraster

|     | A      | B1     | B2     | C2     | C4     | D2     | D3 | D4 |
|-----|--------|--------|--------|--------|--------|--------|----|----|
| S   | 37.8 t | 37.8 t | 47.3 t | 55.3 t | 55.3 t | 65.3 t |    |    |
| 120 |        |        |        | 0.0 t  |        |        |    |    |

## Main Advantages

We have developed safety solutions based on our REX to **avoid risk of tank perforation, risk of derailment and improve the durability and resistance of this tank**.

- Brake with automatic loading conversion and integrated compact brake system: "**safety +**" to prevent brake malfunction
- Predictive maintenance with brake and wheelset monitoring (optional): "**safety +**" **prevention of critical damages**
- Protective shield/tank thickness – specific resistance design: guaranteed tank integrity in the event of impact up to 75 km/h
- Valves (protective mechanism between the outer and inner valve to avoid leakage)

