



Technical Data

four axle tank wagon

Zacns 88 m³

Demand Nr. NOV-011-2020

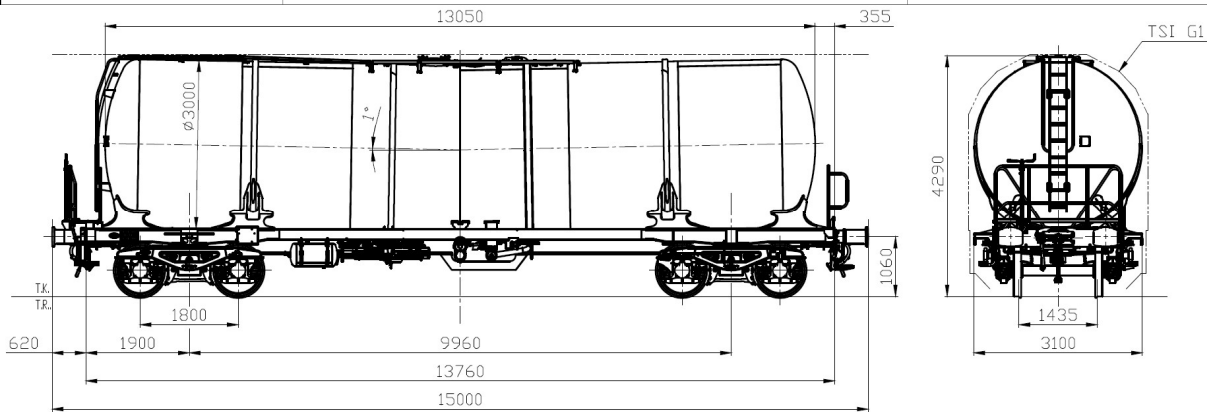
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1. Basic parameters

Dimensions	Track gauge	1 435 mm
	Length over buffers	15 000 mm
	Distance between bogie pivots	9 960 mm
Running gear	Bogie type	Y25 Lsd
	Wheelbase	1 800 mm
	Wheelset type	BA004
Brake	Brake type	KE-GP (K)
	Brake shoe	Bgu (2x 250)
	Brake block material	C810
Draw and buffer gear	Draw gear	EN 15566;1MN
	Buffers	EN 15551; cat. A
	Stroke	105 mm

Weight	Tare weight of wagon (average)	20,8 t			
	Loading weight	69,2 t			
	Maximum axle load	22,5 t			
	Total weight of wagon	90,0 t			
Speed	<i>Load limit table (for average weight) [t]:</i>				
		A	B	C	D
	S	43,2	51,2	61,2	69,2
	120	00,0			
Speed	<i>Maximum speed:</i>				
	120 km/h (empty wagon)				
	100 km/h (loaded wagon up to 22,5 t)				
Vehicle gauge		G1 from TSI WAG			
Wagon meets the conditions		TSI, GCU			

2. Tank parameters

Dimensions	Loading volume	88 m ³
	Tank diameter	3 000 mm
	Length of the tank	13 050 mm
	Tank slope	1,0 °
	Tank bottom type	DIN 28011
	Tank bottom thickness (min.)	6,6 mm
Rings	Tank plate thickness	6,3 mm
	Number of rings	4
Rings material	CS	

Tank calculation parameters	Tank code	L4BH
	Tank material	P355N
	Calculation pressure	0,4 MPa
	Test pressure	0,4 MPa
	Operating pressure	0,3 MPa
	External overpressure	0,04 MPa
	Tank calculation temperature	-20 / +50 °C
	Explosion resistance	yes (TRT 006)
	Corrosion allowance	0,5 mm

Heating	Heating type	-
	Heating surface	- m ²
	Operating pressure	- MPa
	Operating temperature	- °C
	Test pressure	- MPa

Insulation	Insulation thickness	- mm
	Insulation material	-
	Insulation shell thickness	- mm
	Insulation shell material	-



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3. Charging and discharging device

Upper flanges description:

- | | |
|----------------|----------------------|
| 1. Manhole | DN 500 |
| 2. Nozzle | DN 150, Blind flange |
| 3. Vent nozzle | DN 80 Fort Vale |
| 4. Nozzle | DN 50, Blind flange |
| 5. Nozzle | DN 80, Blind flange |

Lower devices description:

- | | |
|-----------------|----------------------------|
| 1. Bottom valve | Fort Vale DN 125 |
| 2. End valves | Fort Vale DN 100 (Y valve) |
| 3. Vent pipe | DN80, Cap 2" |

4. Additional information

- Conformity with EN12561-2, EN12561-6 and EN12561-7
- Option - without ladder

