

Four-axle, Polish made, pressure discharge railway twin-wagon for carrying bulk powder materials

Discharge system: one side discharge at the bottom

- Tow the wagon to the place of discharge.
- Fix the wagon by turning the handbrake (9) to the point of impact or by placing shoes under the wheels of the wagon from both directions to prevent displacement.
- Check if the top cover screws (4) are properly tightened. In case they are not sufficiently tight, close the tank manually or with a spanner pressure-resistantly.
- Close the air-release valves. (2)
- Check the safety valve of the tank (10) and the gaskets of the couplings (5,6). Replace if faulty or missing.
- Fit the coupling of the discharge pipe of the receiving place to the coupling of the tank's discharging pipe (6) and tighten it with a ¼ turn clockwise to the point of impact. It is recommended to fix the coupling with a safety ring.
- Join the coupling of the diameter 52 mm compressed-air pipe of the receiving place to the coupling (5) of the pipe of discharging air supply of the tank.
- Fix and tighten the diameter 52 mm cap with a ¼ turn to the end of the pipe of discharging air supply (5) on the other side of the pipe.
- Start to charge the air-pressure into the tank. The flow of the material will start automatically as soon the pressure in the tank reaches 1 bar. Make sure that the pressure doesn't go over 3 bar.
- During the discharge constant air supply is needed. The discharge of the tank takes approximately 20-30 minutes. The end of the discharge will be indicated by sudden fall of air-pressure and the discharge pipe will stop shaking.
- After emptying the tank stop the air charge from the compressor.
- Release the overpressure in the tank by opening the air-release valve (2). When the overpressure has gone, remove both the air charging pipe (5) and the material discharging pipe (6).
- Open the top cover (3) of the depressurised tank to check if the tank is empty. After checking the tank fix the top cover (3) with screws (4), reinstall the caps of the couplings (5,6) and close the air-release valve (2).
- Complete the discharge of all four tanks in the same way. Any stains originating from the discharge have to be cleaned off the wagons. Hereby the discharge is over, and the wagon is ready to be recharged.
- **The screw coupling (insoluble connection) (12) and the distance between the inner buffers have to be checked before each loaded or unloaded dispatch. In case there is any distance between the inner buffers the screw coupling (12) has to be tightened by using a thin metal bar or rod. The screw coupling must be tightened until the buffers touch each other and the screw coupling is in a tight, horizontal position.**
- Should any disorder occur during the discharge, inform the operator of the wagons by fax, telephone or e-mail.

PULTRANS KFT.

Tel: (36) – 1- 368-9614; Fax: (36) – 1- 250-6897; E-mail: ecm@pultrans.hu