

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

Discharge system: upper discharge

- 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 valve. (2)
- Check the safety disk of the tank (10) and the gaskets of the couplings (5,6). Replace if faulty or missing.
- Fit the coupling of the butterfly valve to the coupling of the tank's discharging pipe (6) and tighten it with a ¼ turn clockwise to the point of impact. Then fit the pipe's coupling to the butterfly valve's coupling and fix it as explained above. (It is recommended to fix the couplings 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.
- If there is a butterfly valve on the discharge pipe then charge the air-pressure in the tank to a maximum of 3 bars with the butterfly valve closed and then release the butterfly valve to discharge the material from the tank. If there is no butterfly valve than the material starts to flow as soon as the pressure in the tank reaches 1 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. The pipe will stop shaking. Bang the conic plate of the tank with a rubber hammer. By the deepness of the sound the quantity of the rest material can be checked.
- After emptying the tank stop the air charge from the compressor by closing the valve of the air pipe or switching off 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. After the discharge of the last tank Any stains originating from the discharge have to be cleaned off the wagons. Hereby is the discharge over, and the wagon is ready to be recharged.
- 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)