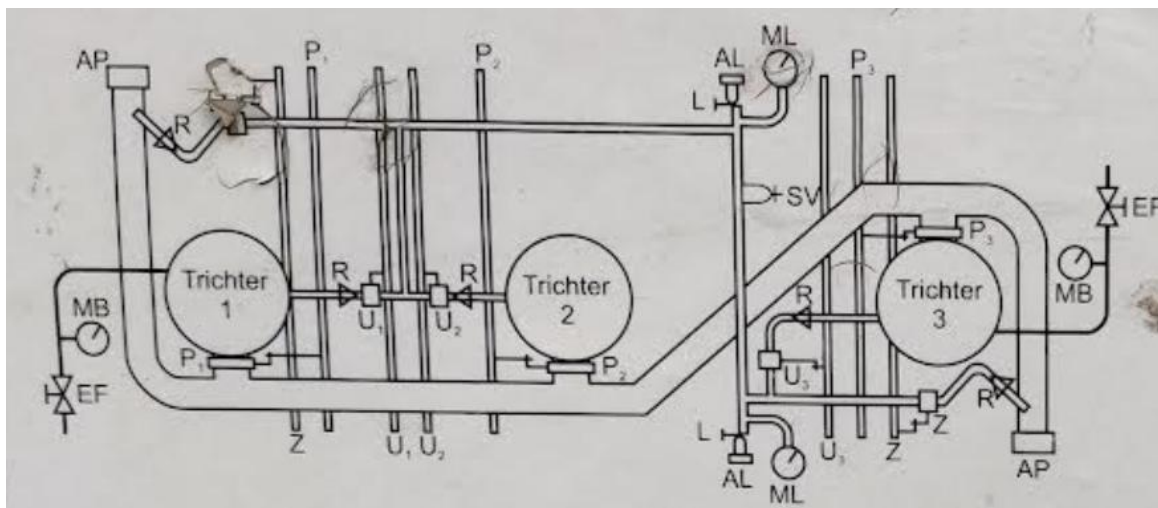


# Handling manual to 63 m3 Uacs Tankwagon with three tanks



AL	compressed air connection	P	product shut-off valve
AP	product connection	R	check valve
ED	air-release valve	SB	safety valve
EF	ground-operated air-release valve	ML	line pressure manometer on the compressed air connection
L	air supply valve with compressed air connection	U	lower air supply valve
MB	tank pressure manometer	Z	supporting air supply valve

Operating pressure 2.5 bar - Unloading stations must be protected against excessive pressure.  
Dry and oil-free compressed air, at least 10 m3/min.

## LOADING

- 1) Open the ground-operated air-release valve (EF) to ensure there is no pressure in the tank.
- 2) Open the air-release valve (ED) at the dome cover. If the tank is depressurized, open the quick-release lever on the dome cover and fold the dome cover down.  
Load tank. Lower the loading head carefully and precisely into the dome cover opening to avoid damage to the dome cover, dome collar, and dome seal. Fill the wagon so that the bogies are evenly loaded.
- 3) **Remove any contaminants from the sealing surfaces, dome cover, and tank.** Close dome cover and tighten it with the quick-release lever. If necessary, increase the preload by turning the adjusting screw on the open dome cover. A quarter of a turn is often sufficient. Close the air-release valve (ED).

## UNLOADING

- 1) Secure the wagon to prevent it from rolling away.
- 2) Connect compressed air and product pipes and ensure that the opposing coupling covers are properly attached and sealed.
- 3) Apply the compressed air, open the air supply valve (L) and the lower air supply valves (U1, U2, U3) to loosen the product.
- 4) Begin unloading the tank furthest from the product pipe. Open only the corresponding product shut-off valve (P) and, if necessary, open the supporting air supply valve (Z).
- 5) If the tank is empty (significant pressure drop, no more product flow), close the product shutoff valve (P) and empty the middle tank in the same way, followed by the tank closest to the product pipe.  
**Do not open all product shutoff valves at once – only empty one tank at a time, from back to front.**
- 6) Removal of residue from all tanks (open the product shut-off valves individually).  
Blow out the product line by opening the two supporting air supply valves (Z) and the lower air supply valves (U1, U2, U3). Vent the tank and the air and product lines.
- 7) Before uncoupling, the wagon must be vented towards the silo.
- 8) Disconnect the compressed air and product pipes while depressurized, close all valves. Insert all coupling covers, and remove any dirt.

In the event of operational disruptions, the wagon owner must be notified immediately by phone or email.

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