

# METERING SYSTEM FOR MILK COLLECTION



**POUL TARP A/S**

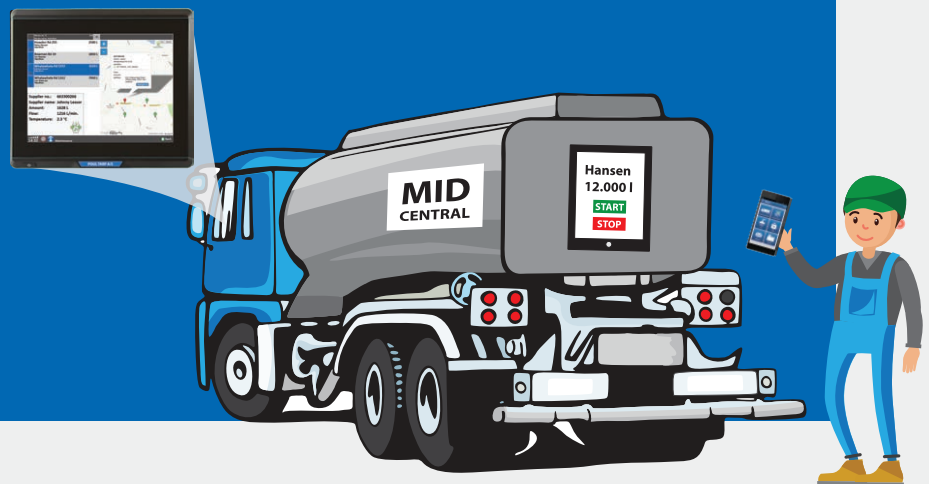
# Metering System

## Metering system for tomorrows milk collection

Metering systems from POUL TARP A/S sets the standards for tomorrows milk collection. The intelligent and automatic processes brings value and reduces costs for both farmer, dairy and consumer. The capacity of the system can be adjusted according to the marked, volume and desired pump speed.

### POUL TARP A/S pump system:

- MID approved
- USDA design approved
- Pump speed from 100 L/min. to 3.000 L/min.
- Minimum collection volume from 75 L
- Milk APP for communication between the driver and transport manager



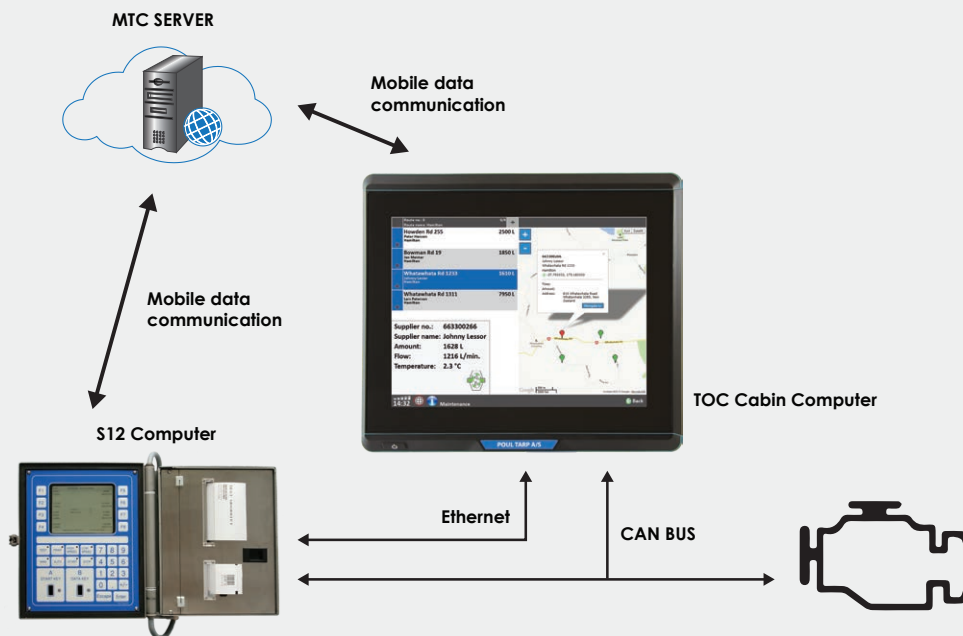
## Truck data system for today and tomorrow

- The S12- and S40 computer are the data acquisition system and controller in the pump system
- The TOC computer will show the route to the driver along with the map for navigation to the farms.
- Trailer identification with RFID
- Cooling tank identification with RFID
- Colling tank remote steering control from the tanker.
- Colling tank surveillance



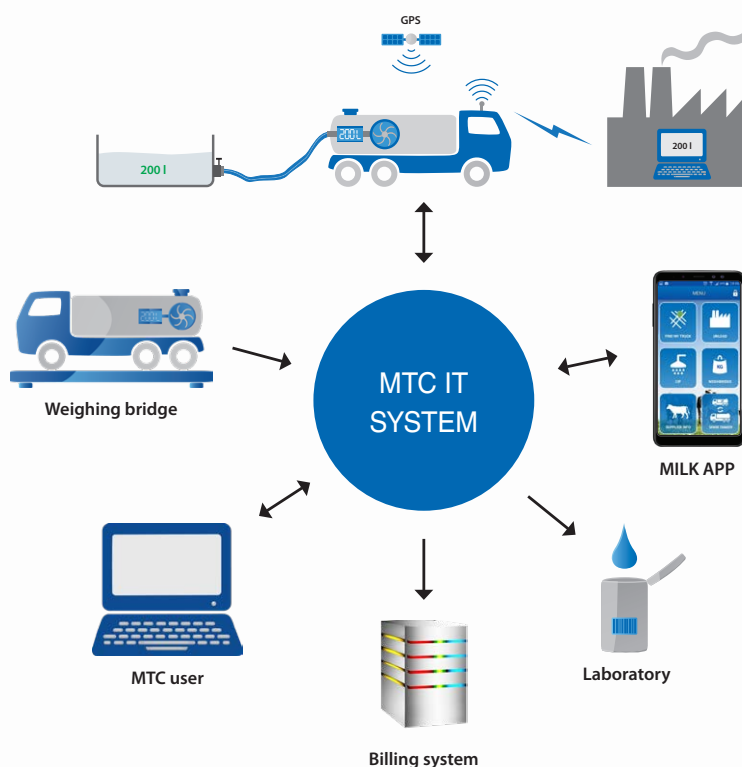
# Communication

The S12 computer, the S40 computer and the TOC driver cabin computer communicates with the trucks' CAN Bus and the MTC IT System



## Communication with the IT system

All external units communicates with the MTC IT system. The MTC IT system checks that the external units have received the data and that the data package is correct.

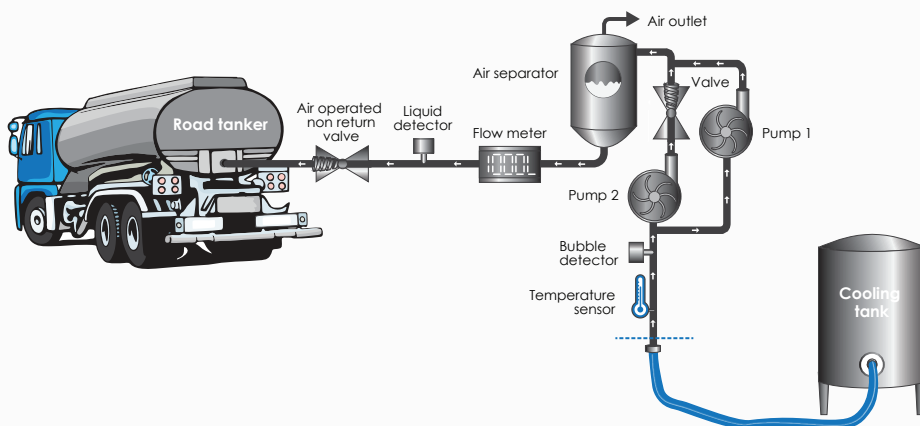




# Pump Systems

## Milk collection with 2 pumps

- Maximum flow rate is 1.500 L/min.
- Minimum collection volume is 100 L

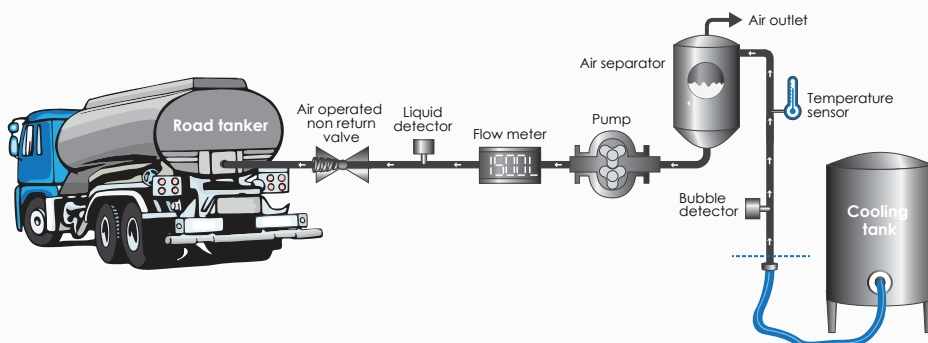


## Milk collection with 1 pump

- Pump system with impeller pump.
- Maximum flow rate is 500 L/min.
- Minimum collection volume is 50 L
- Pump system with one Lobe pump.
- Maximum flow rate is 800 L/min.
- Minimum collection volume is 75 L

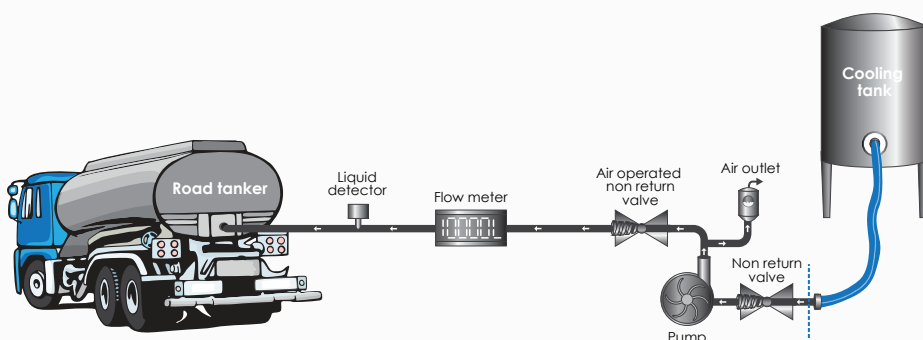
## Milk collection with Vacuum with Lobe- or centrifugal pump

- Maximum flow rate is up to 1.500 L/min.
- Minimum collection volume is 100 L



## Milk collection with free milk flow from the cooling tank

- High speed pumping up to 3.000 L/min.
- Minimum collection volume is 100 L



For more than 25 years POUL TARP A/S has developed and manufactured solutions covering data acquisition, on-board weighing systems, wireless communication and IT-systems for the transport-, waste & recycling- and dairy-sector. POUL TARP A/S was founded in 1954 and was in 1996 awarded with ISO 9001:2000 and ISO 13485:1996 certification. The company POUL TARP A/S is represented world wide.

**Microsoft Partner**  
 Gold Application Development  
 Silver Hosting  
 Silver Intelligent Systems  
 Silver Application Development  
 Silver Midmarket Solution Provider

**ISO 9001**  
 BUREAU VERITAS  
 Certification

# POUL TARP A/S

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