

# Packo buffer tank

## Essential for robotic milking

To optimize the daily number of milkings per cow, the standstill of the milk robot is restricted to the minimum. Therefore the installation of a **Packo buffer tank** is essential in the total project of robotic milking.

After the collection of the milk from the milk cooling tank, the milk is sent automatically to the buffer tank. Therefore it is possible to continue milking through the robot while the milk cooling tank is being cleaned thoroughly. So the **milking rhythm of the animals will not be disturbed** by shutting down the milking robot unnecessarily.

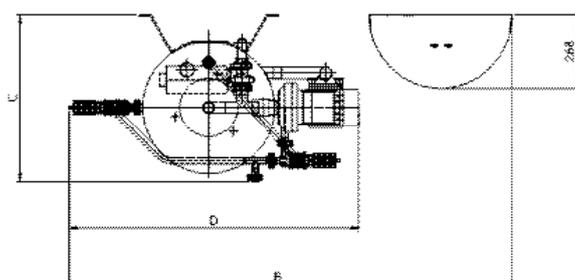
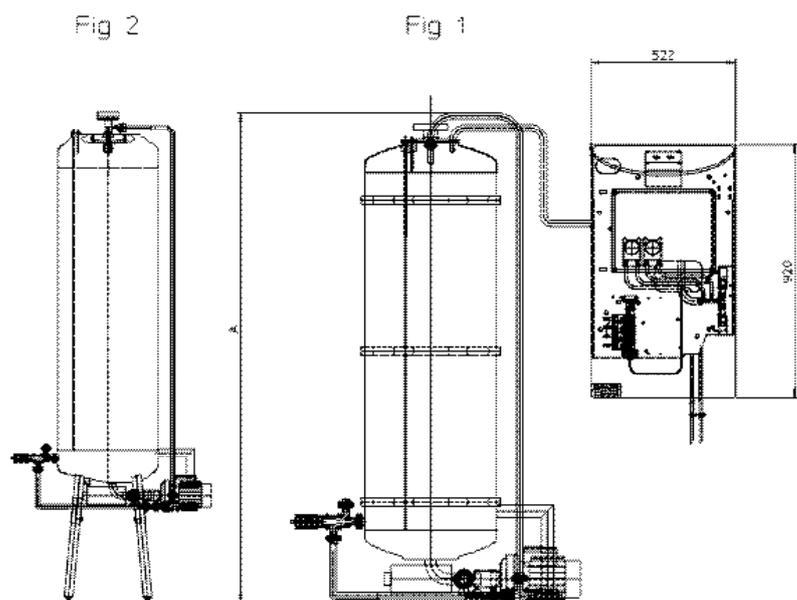


### Advantages

- › Continuous milking is possible so that the milking rhythm is not disturbed; ensures a smooth operation of the milking-cooling-cleaning cycle
- › Connection of more robots is possible
- › Milking is independent of the cleaning of the milk cooling tank
- › No time losses during the cleaning and so a shorter return on investment
- › Automatic and independant cleaning with detergent after every emptying  
No risk of quality loss as result of bad cleaning
- › Microprocessor controlled system including all magnetic valves, automatic cycle
- › The dairy can collect the milk at any time

## Specifications

- › Tank made in **stainless steel AISI304** - electrolytically polished
- › Volumes: **250 - 350 - 500 Litres**; choice of the size is depending on the number of robots and on the time of milking in the buffer tank
- › The tanks 250 and 350 L are provided with wall supports; the 500 L has 3 legs and is freestanding on the floor
- › **Powerful Packo stainless steel centrifugal pump** for pumping of the milk to the milk cooling tank
- › **Autonomous and automatic cleaning system** using the same Packo centrifugal pump and a fixed spray ball. The buffer tank is cleaned as soon as it is empty to avoid any possible contamination. The milk has no time to dry on the inner wall of the buffer tank. Thanks to this own system, the cleaning is entirely independent of the milking robot and the distance between the robot and the buffer tank. The cleaning pump takes care of the ideal water pressure and capacity at the level of the spray ball.
- › Filling of the tank through level measurement
- › Including **minimum two 3-way valves**: one mounted in the milk supply line from the robot, one for pumping the milk to the main milk cooling tank or for cleaning purposes
- › **Stainless steel control box**, pre-mounted and tested, and includes:
  - PLC-program
  - Automatic cleaning program with 2 dosing pumps
  - Manual cleaning button
  - Controls for the centrifugal pump



	Model: 250 L	350 L	500 L
A	1785	1700	2810
B	1600	1660	1677
C	600	665	636
D	1045	1145	1122
Fig.	1	1	2

in mm

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Subject to modifications. The photographs and descriptions provided are intended as a guide and may not always exactly match the items supplied.