

FULLWOOD PACKO BUFFER TANK

Essential for robotic milking

To optimize the daily number of milkings per cow, the standstill of the milk robot should be restricted to the minimum. Therefore the installation of a **Fullwood Packo buffer tank** is essential in your 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.

When combined with the traditional milk cooling with direct expansion, the **milk can also be pumped as cooled (to 4°C)** into the buffer tank with the **Fullwood Packo Eco-tube and ice builder**. This means that the quality of the milk is safeguarded while the milk cooling tank is being cleaned.

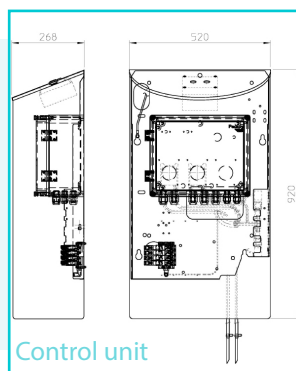
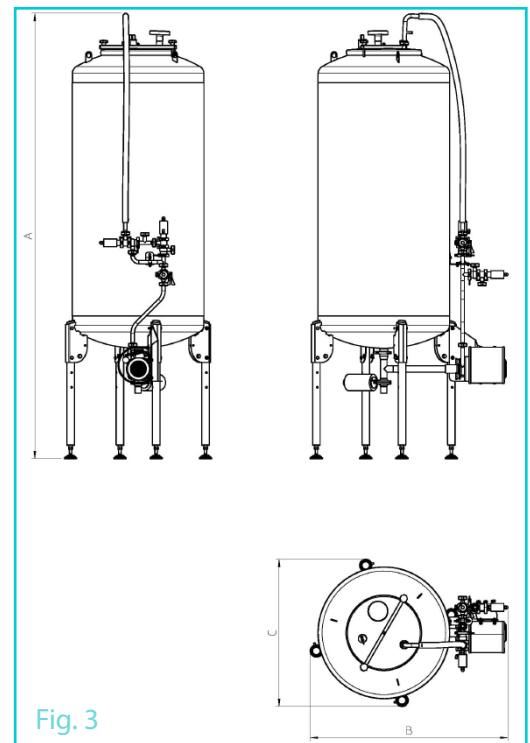
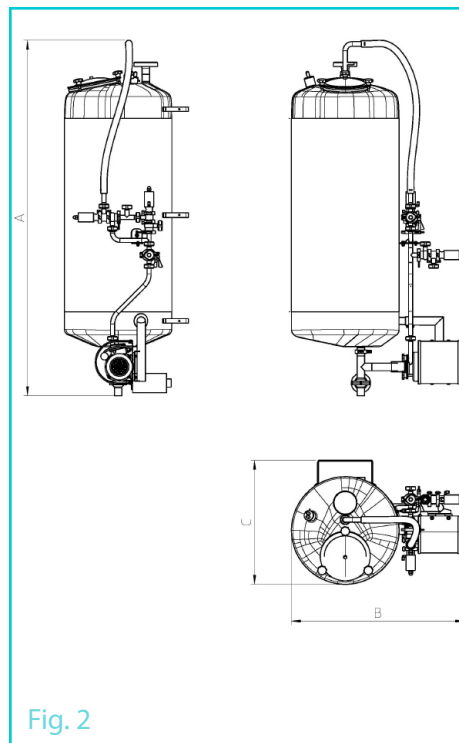
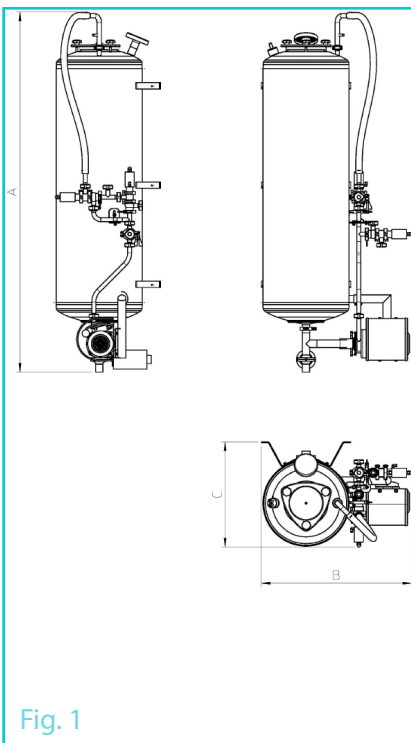
Advantages

- 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 supply lines 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
- In combination with an Eco-tube and an ice builder, the milk enters cold in the buffer tank; in certain dairies this can result in extra milk money!
- Automatic and independent cleaning with detergent after every milk collection; no risk of quality loss as a result of a bad or late cleaning
- The dairy can collect the milk at any time of the day; in certain dairies this can result in extra milk money!



Specifications

- Tank made in **stainless steel** AISI304 - electrolytically polished
- **Volumes: 250 - 350 - 500 - 800 - 1000 Litres**; choice of the size is depending on the number of robots and on the storage time in the buffer tank
- Maximum 4 milk supply lines possible; only 3 in case of a desinfectant step during the cleaning cycle
- The tanks 250 and 350 L are provided with wall supports; the larger models have 3 legs and are freestanding on the floor
- **Powerful Fullwood Packo stainless steel centrifugal pump** for pumping of the milk to the milk cooling tank
- **Autonomous and automatic cleaning system** using the same Fullwood 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 litres	Fig.	A mm	B mm	C mm
250	1	2000	835	585
350	2	1935	940	675
500	3	2110	1275	950
800	3	2550	1275	950
1 000	3	2870	1275	950

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