

UNIVERSAL LDS APPLICATION SYSTEM



Low Volume Application System is an inoculant applicator for biological inoculants that use concentrated bacteria levels.

It is the only applicator in the world, that has an insulated wall to protect the bacteria from high temperatures. If the bacterial liquid temperature is more than 40 degrees, there is a risk of degrading the bacteria. Until now, no one has tried to solve this issue. Recent weather developments has proven a need for this technology.

The applicator can be used both on forage harvesters, balers. The applicator can be connected to **Flowmatic Lite** or **Flowmatic Digitech**. The system includes the complete equipment needed for installation. The LDS use a gear micropump. Everything is made of 316 L stainless steel and ground to one thousandth of a millimeter. The pump dosing is from 0.05 - 018 l / min. A special nozzle produces a mist effect spay pattern and sprays the bacterial into ventilator.

Pump:	Gear pump	Dosing:	0.05 – 018 l/min.
Material:	Steel - 2x powder coated with certification	Tank:	25 L
Use:	Harvester, round and bigs bailers, self loading wagons	Suitable for:	Biologic conservation

25 L tank with insulated wall



Tank size is 25 L. It can be removed for cleaning or better mixing. There is a hose quick coupling on the lid. The hose is removed by pressing the blue ring.

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The nozzle is attached with a stainless steel holder, which can be shaped if necessary.



Example of placing a nozzle in harvester.



An important part of the system is the filter in the tank.

Without this filter, the nozzle can clog.

Occasionally check that the filter is not clogged.

Clean the filter if necessary.

Containers with clean water

Two clean water bottles are located on the pump to flush the equipment. During longer breaks or at the end of working day the pump must be flushed with water. The suction hose is released and inserted into a container of clean water. After rinsing, the hose returns to its original position.



For flushing, you can use the Power Box located on applicator.

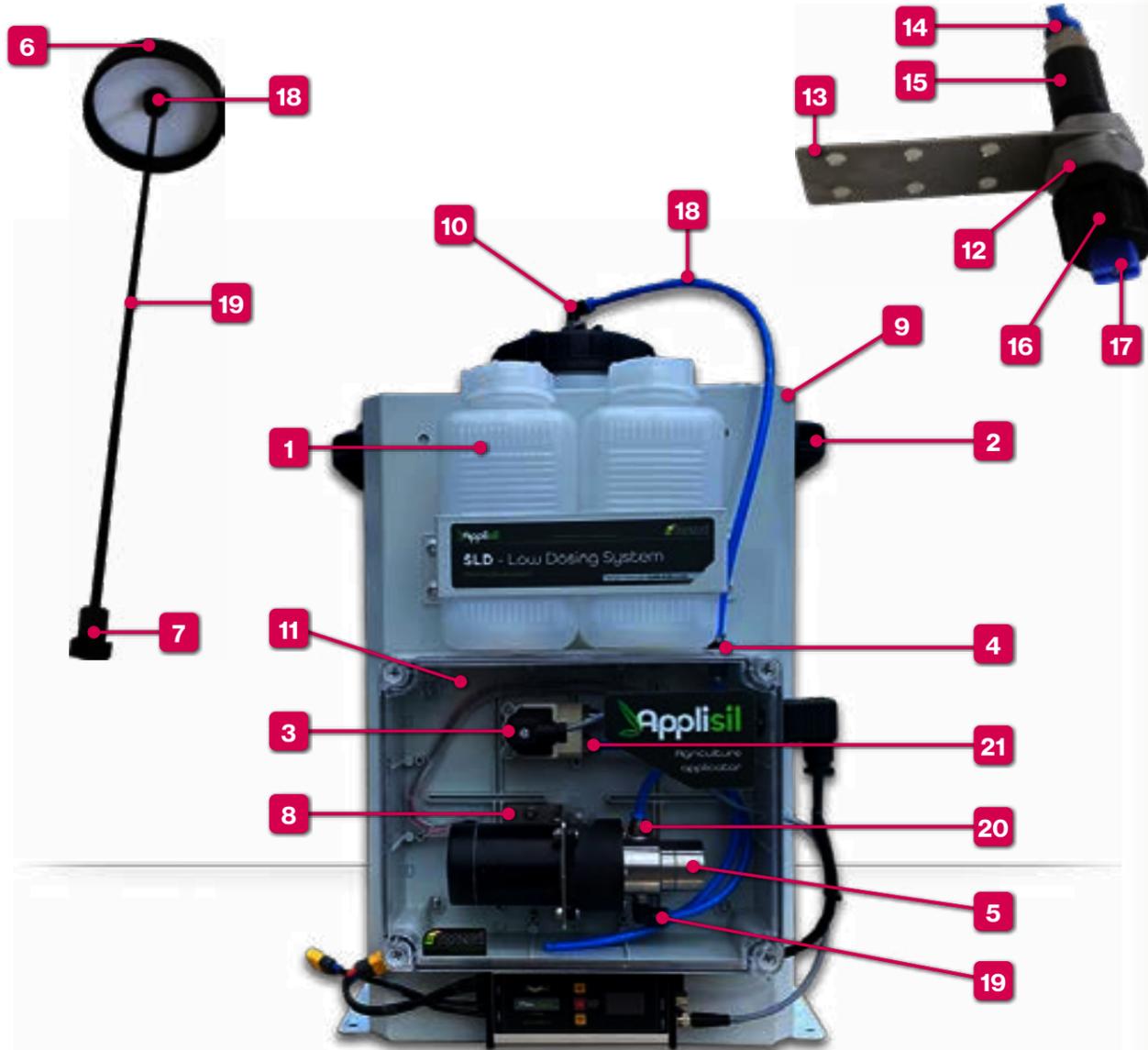
In this case, it is used as a Power Box. It is connected to the **Flowmatic Digitech** unit, which is located in the cab.

Insulated wall

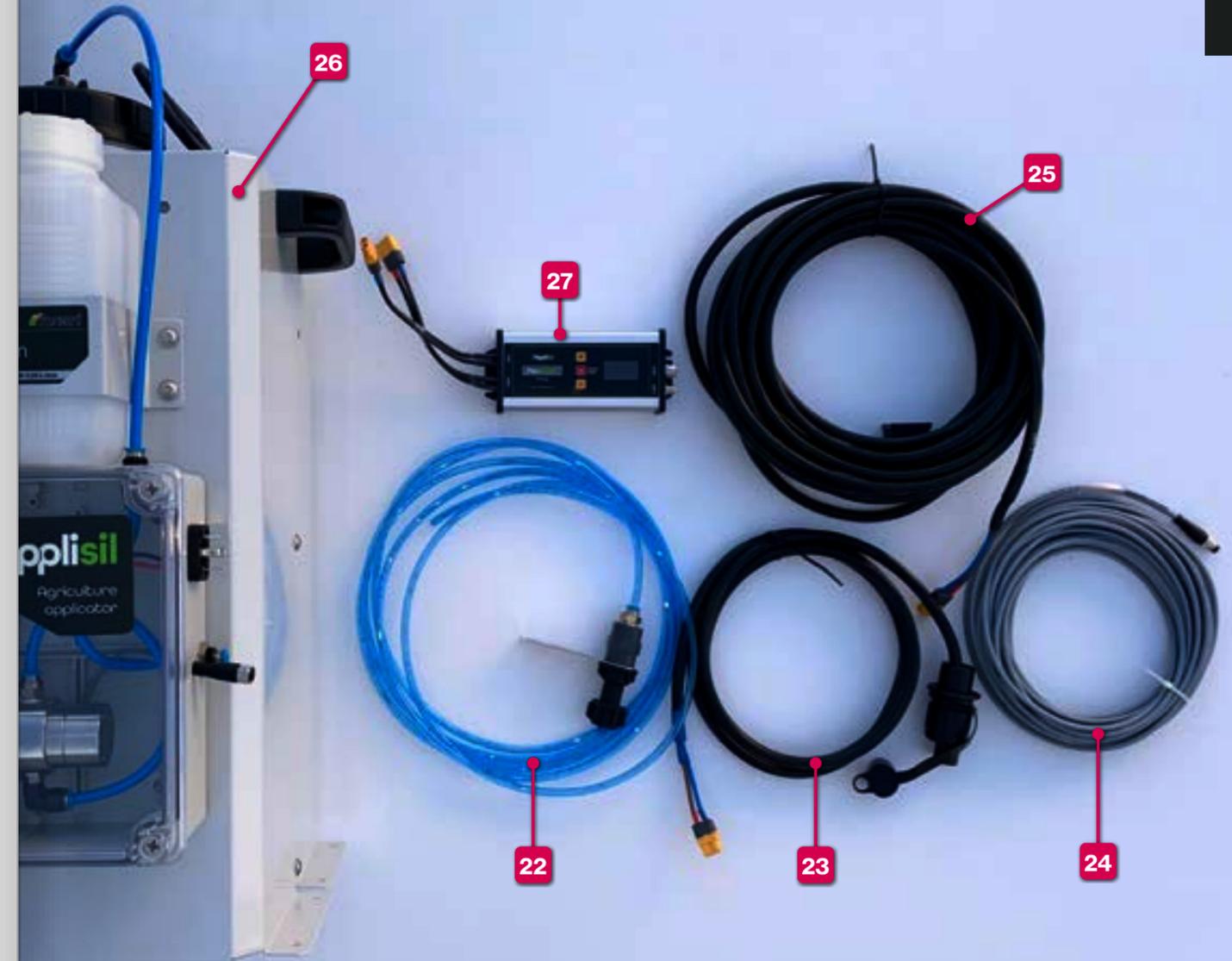
Application equipment has an insulated wall to protect bacteria from high temperatures.



Complete set



- | | |
|---------------------------|----------------------------|
| 1. Water tank | 10. Quick coupling 90 |
| 2. Handle | 11. Pump housing |
| 3. Flow meter | 12. Nut-Dysehoder |
| 4. Implementation | 13. Quick-connect-straight |
| 5. Pump | 14. Threaded pipe |
| 6. Cover | 15. Coating nut |
| 7. Filter | 16. Nozzle with metal tip |
| 8. Pump holder | 17. Hose 6 mm |
| 9. Implementation - cover | 18. Straws |



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|-------------------------------------|
| 19. Quick coupling 1/4 |
| 20. Quick coupling 1/8 |
| 21. Hose with nozzle - 4m |
| 22. Power cable with connector - 2m |
| 23. Remote control cable - 10m |
| 24. Cable for the pump - 10m |
| 25. Tank box with insulated wall |
| 26. Box with isolated wall |
| 27. Flowmatic Lite |



Your supplier:

