

MAINTENANCE GUIDE



Always wear suitable protective equipment when servicing the BOVIBOOSTER
Always disconnect the electrical supply when carrying out maintenance on the system



Always perform a weekly visual inspection of the system. Check for leaks, nozzle spray pattern/direction and check the disinfection treatment

PERISTALTIC PUMP



Clean the suction filter after every hoof product container replacement

Replace the santoprene squeeze tubing for every 12.000 disinfection treatments, to maintain optimal operation and to avoid a tube leakage. See Controller display disinfection counter.

The system will automatically turn off disinfection after 12.000 disinfection

- Set the **DISINFECTION** selector switch in **OFF** position
- Remove the disinfection pump cover
- Remove the squeeze tube as illustrated
- Install the new squeeze tube as illustrated
- Move the suction and delivery tube from the old squeeze tube to the new
- Lubricate the squeeze tube with silicone grease
- Turn the pump wheel three rounds by hand
- Refit the pump cover
- Hold the **TEST** button for 3 sec. to reset the internal disinfection counter
- Hold the **TEST** button and manually operate the pump, until the tubes are free of air
- Set the **DISINFECTION** selector switch back to **ON** or **PROGRAM** position



Replacement foot filter
Part no.: SEKOFF



Santoprene squeeze tube
Part no.: SEKOSPT

NOZZLE BAR



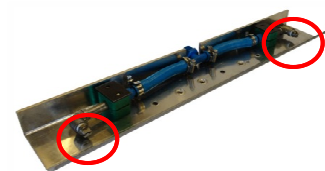
Always perform a weekly visual inspection of the nozzles. Check nozzle spray pattern and direction, the nozzle spray direction should be parallel with the robot floor

The nozzles have to be checked and possibly cleaned for deposition or replaced, for approx. every 8.000 - 12.000 disinfection treatments, to maintain optimal wash and disinfection effect

All nozzle bar hoses, pipes and fittings needs to be cleaned or replaced once every year

LELY

- Set the **WASH** selector switch to **OFF** position
- Remove the two nozzles by hand or use a nose plier, turn the nozzles one-quarter turn counterclockwise
- Do a 10/15 sec. test wash, by pushing **TEST** button two times
- Fit two new or cleaned nozzles
- Do another 10/15 sec. test wash, by pushing **TEST** button two times
- Check spray pattern and direction
- Set the **WASH** selector switch back to **ON** or **PROGRAM** position



Quickjet nozzles are available with 25(standard) or 40 degree spray angle.



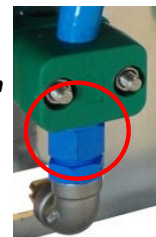
Part No.: QPTA2515
Part No.: QPTA4015

DELAVAL

- Set the **WASH** selector switch to **OFF** position
- Remove the nozzle bar by removing the two front-mounted 8 mm bolts with a 5mm Allen key
- Remove the four nozzlefittings, use a 20mm wrench to loosen the blue coupling nuts
- Do a 10/15 sec. test wash, by pushing **TEST** button two times
- Fit four new or cleaned nozzles to the 1/4" elbows and refit the nozzle fittings
- Adjust the nozzle angles and tighten the couplings
- Do another 10/15 sec. test wash, by pushing **TEST** button two times
- Check spray pattern and direction
- Set the **WASH** selector switch back to **ON** or **PROGRAM** position



Use a 20 mm wrench to loosen coupling nut



Complete nozzle fittings, for easy nozzle replacement are available upon request



Replacement nozzle
Part no.: KY4010

NOZZLE BAR INJECTION VALVE

If the hoof product used is compatible with the injection valve FKM (viton) seal, no maintenance of the valve should be necessary



Replacement injection valve
Part no.: 1020103BRS

PRESSURE VESSELS



Check gas pre-charge pressure for every **2 months** or for **max. every 20.000 pump operations** (see controller display). Add compressed air or nitrogen if necessary. When refilling the pressure vessel ensure there is no water in the tank

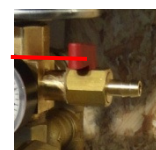
- Set the pump selector switch to **OFF** position or disconnect the power supply
- Shut the water supply valve
- Shut the outlet ball valve (BBPBAT only)
- Open the pressure relief valve gently
- Wait until the pressure drops to 0 bar (see pressure gauge)
- Remove the **air valve** cap and nut
- Check precharge pressure with a suitable pressure gauge
- Refill if necessary the pressure vessel to **7-8 bar** with compressed air or nitrogen if possible, use a suitable blow gun for tire pumping
- Refit the air valve nut and cap, **make sure to tighten the air valve nut firmly**
- Open the water supply valve
- Ensure the system is fully primed and then close the pressure release valve
- Open the outlet ball valve (BBPBAT only)
- Restart/turn ON the system

Air valve cap



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Pressure relief valve



Outlet ball valve (BBPBAT)



Ball valve (DE2516P)



The pump must not run dry. Ensure the system is fully primed before starting/restarting the system. Use the pressure release valve to purge the system of air. If the has stopped and the display shows error, do not try to restart before the pump has cooled down