

Hydraulic NovoDock L300

Adjusting instruction

Article no. hydraulic unit: DS0110200
Motor power: 0,75kW
Design: Swing lip with 2 solenoid valves

Basic requirement: The electric and hydraulic components of the dock leveller are completely installed. A pressure gauge is connected to the measuring port „M“.

1 Adjusting the lift pressure

- Press "Lift" button. If there is not enough pressure to lift the platform, unlock the spindle of valve DB1 and turn clockwise until the platform rises.
- Sing out the lip automatically.
- Unlock the spindle of valve DV2 and turn clockwise to its stop (close).
- Let the platform sink to approximately 100mm above lowest position.
- Press "Lift" button and keep it pressed.
- Unlock the spindle of valve DB1 and turn anticlockwise until the platform stops rising and "floats". Gauge the pressure at "M" (floating pressure).
- Raise the pressure by turning the spindle clockwise so that in the uppermost position of the platform the pressure is floating pressure plus 20 bar.
- Lock the spindle by tightening the lock nut.
- Check the tightness of the valves. Raise the leveller platform to its uppermost position and switch off the mains isolator. If the platform does not sink, all valves are tight.

2 Adjusting the swing in and out speed of the lip

- Press "Lift" button.
- Open valve DV2 by turning the spindle anticlockwise and adjust so that the lip swings back within approximately 2s.
- Lock the spindle by tightening the lock nut.

3 Adjusting the sink speed

- Unlock and turn the spindle of valve DV1 clockwise to its stop (close).
- Press "Lift" button and raise the platform completely.
- Turn the spindle anticlockwise so that the sink speed between uppermost and horizontal position of the platform is 150mm/s, measured at the front edge of the platform.
- Lock the spindle by tightening the lock nut.

4 Checking the function of safety valves

- Press "Lift" button and raise the platform completely.
- Swing out the lip completely and let the platform sink until the lip rests on the testing device (or an appropriate support).
- Put testing weight (min. 10% of the load capacity, e.g. min. 600kg for capacity 60kN) on centre of the platform.
- Release the testing device respect. Remove the support in one go.

