



**PUMP TECHNICAL
SERVICES LIMITED**

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MANUFACTURING, SALES, PROJECT DESIGN, INSTALLATION, MAINTENANCE AND REPAIRS

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INSTALLATION INSTRUCTIONS FOR A SUMO WASTE WATER PACKAGED SYSTEM

INSTALLATION SHOULD ONLY BE CARRIED OUT BY FULLY QUALIFIED PERSONNEL, ENSURE ELECTRICAL SUPPLY IS ISOLATED BEFORE STARTING INSTALLATION WORK

1. Remove lid from tank and inspect both the tank and lid for any damage caused in transit, also check pump and alarm unit if applicable, if all ok then the Tank is then ready to be installed.
2. All inverts should be brought into the tank using appropriate tank connectors.
3. All inverts should be connected to the tank by drilling into the tank at the highest possible level from floor - no lower than 200mm to centre of hole from floor. (This is to be a minimum of 300mm with a Jung US73 pump and 220mm with a Jung U6K Niro pump). An optional low level float is available for the pumps to enable lower starting/stopping heights if the above minimum inlet heights cannot be attained.
4. No tank connections should be fitted through the lid of the tank, as this inhibits removal of the lid for inspection and cleaning purposes.
5. The Sumo tank should also be positioned so as to allow easy removal of the lid for inspection and maintenance of pump and tank.
6. When positioning the inlet pipe, ensure that the inflow of water/waste is not directed onto the float switch/arm mechanism of the pump or control system (optional).
7. It is essential that a compression fitting is installed between the non-return valve supplied and a gate valve in the discharge pipework (by installers) to enable the removal of the Sumo tank if required.
8. Slow radius bends **MUST** be used for every change of direction of the discharge pipework.
9. The discharge pipework must **NOT** be connected to a soil stack, manhole etc. which is below the discharge level of the tank, as syphoning may occur, preventing proper operation of the system.
10. The tank should be vented to air, with 1¼" pipework minimum. If glasswashers or commercial/industrial dishwashers/washing machines are used, it is recommended that a least a 2" vent is taken to air, this is in addition to the charcoal vent that is located on the lid of the unit, (vent replacement should be undertaken at least every six months).
11. After connecting the tank with the relevant discharge pipe and vent pipe, ensure that the pump is still sited correctly within the tank, that the float switch is free to move through its full range, and any cables are not loose within the tank.
12. If a high level alarm unit is fitted to the lid of the tank, ensure that the alarm is free from obstructions and test the alarm (power to the alarm will need to be on for testing, unless the alarm is fitted with the optional back up battery system) to ensure correct operation. See instructions relating to the alarm for alarm details (Ref: **PTS.SA1**).
13. The operating instructions (supplied separately) for the fitted pump are also to be adhered to as part of the operation of the Sumo unit.
14. When refitting the lid ensure the seal is seated correctly, and that all screws are fully tightened.
15. **PLEASE NOTE** – we recommend you advise your clients that the sumo tank should be regularly inspected and cleaned. **Our service department will be pleased to offer a quotation for this if they wish.**

**IF YOU WISH TO PLACE AN ORDER, OR HAVE ANY ADDITIONAL QUESTIONS,
PLEASE CONTACT OUR SALES DEPARTMENT**