QLS – QUICK START GUIDE

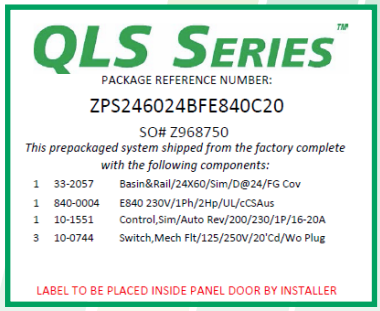
FM3058

Zoeller Pump Prefabricated Lift Station

FOLLOW ALL SAFETY GUIDELINES

☐Step #1

Confirm all components are included and there is no shipping damage. If you are missing components or assume there is damage, please contact the distributor where the lift station was purchased. Familiarize yourself with the instruction manuals for each component (pump, controls, basin, etc.) prior to installation. Place SYSTEM ID STICKER inside the door of the control panel for future reference.


QLS SERIES™
PACKAGE REFERENCE NUMBER:
ZPS246024BFE840C20
SO# Z968750
This prepackaged system shipped from the factory complete with the following components:

1	33-2057	Basin&Rail/24X60/Sim/D@24/FG Cov
1	840-0004	E840 230V/1Ph/2Hp/UL/cCSAus
1	10-1551	Control,Sim/Auto Rev/200/230/1P/16-20A
3	10-0744	Switch,Mech Flt/125/250V/20'Cd/Wo Plug

LABEL TO BE PLACED INSIDE PANEL DOOR BY INSTALLER

SYSTEM ID STICKER SAMPLE

☐Step #2

Confirm that the proper electrical power (for both PUMPS and CONTROLS) has been provided to the jobsite by a licensed electrician. All wiring and conduit must meet the NEC, local, and regional codes. For a single phase system, it is recommended that separate incoming power sources be brought to the "pump" and the 115 volt "alarm & control" circuits. On a three phase system, the circuits are isolated with a multi-tap transformer, therefore only one power source need be brought to the panel.

☐Step #3

Properly excavate the pit being careful not to disturb any underground utilities or existing structure. Pit should be a minimum 24" larger than the basin diameter. Make sure to adhere to all local/national building and safety codes. Basin install requires the use of a compacted sub-base or concrete pad.

- DO NOT DROP, IMPACT, OR ROLL BASIN
- DO NOT WRAP CABLE OR CHAIN AROUND BASIN

☐Step #4

Measure, cut and align all inlet, electrical and discharge piping. Properly test fit and glue all discharge, inlet hubs and electrical conduit couplings. Inspect ALL connections on the exterior of the basin. Use a hole saw one inch larger than the pipe seal size to drill into the side of the basin at the correct elevation to properly install the pipe seal hub assembly (follow the directions on your hub, if the inlet fitting provided is not a pipe seal).

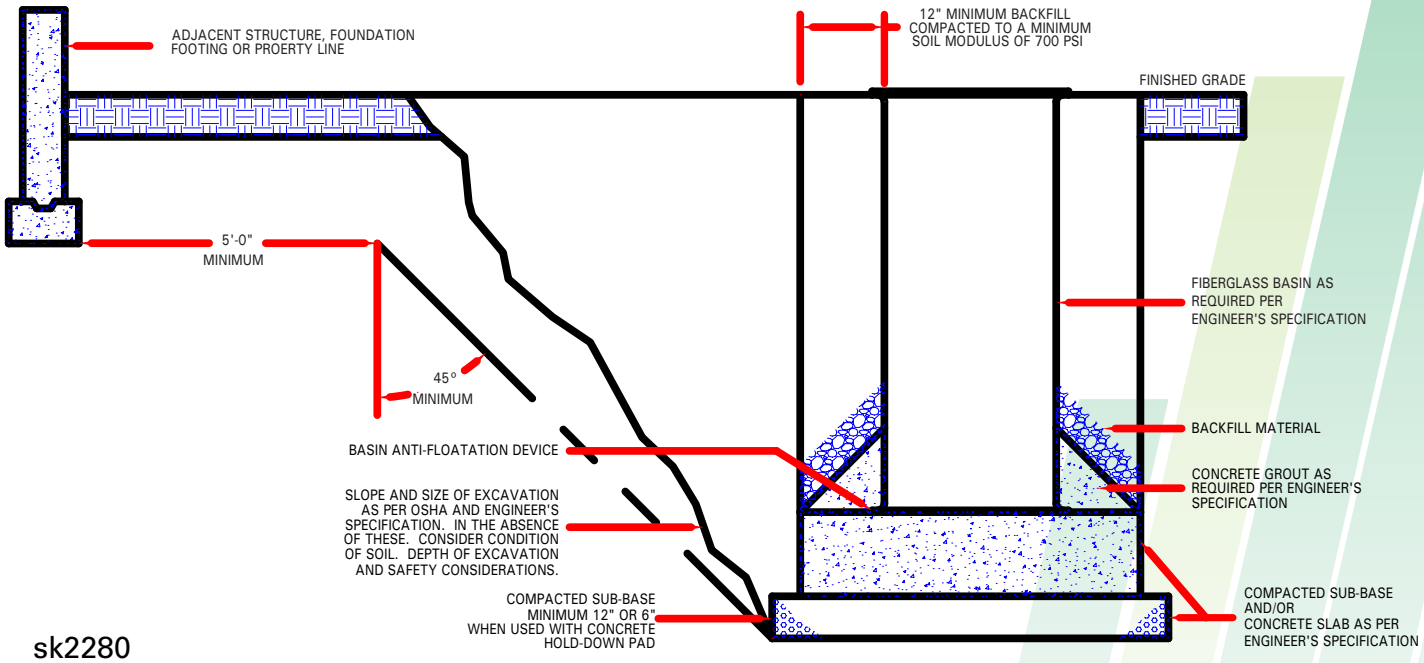
☐Step #5

Backfill pit surrounding the basin with appropriate gravel (minimum 12" from basin wall). Basin should be filled with water prior to pouring a concrete anchor around anti-floatation device. Backfill and subbase should be 1/8"- 3/4" pea gravel or 1/8"- 3/4" crushed stone. See drawing (SK 2280) on next page.

☐Step #6

Backfill grade with gravel and fill dirt or to specifying engineer's design. See basin drawing (SK 2280) on next page.

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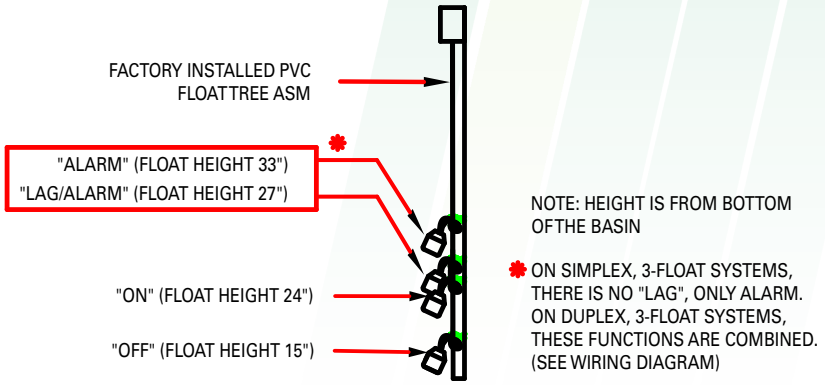


sk2280

☐Step #7

Once unit is ready for testing:

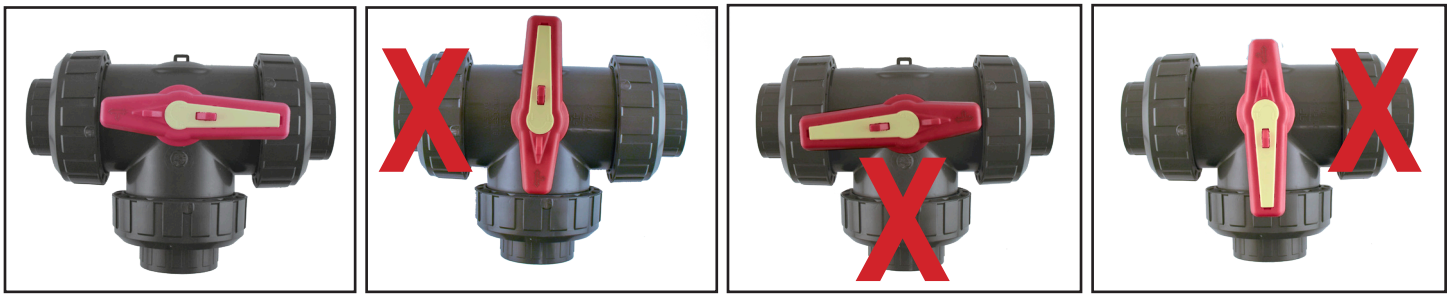
- Verify that the pit is free of ANY debris and power cords are properly placed out of way.
- With control panel ON, verify that pump(s) operate manually using the HAND mode inside the control panel.
- With control panel ON, verify that the pump(s) operate automatically using the AUTO mode inside the control panel.
- Third float will activate the ALARM BEACON on control panel on a 3-float system.



- Fill basin with water and confirm that pumps are operating (and alternating if a duplex system) properly. **Do not run dry for more than a few seconds as this will damage the pump's mechanical seal.**

Three - Way Ball Valve Flow

(Used with Duplex Systems) Red **X** indicates closed.



All open | Left closed | Discharge closed | Right closed

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