

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
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TEL: (502) 778-2731 • 1 (800) 928-PUMP • FAX: (502) 774-3624

Visit our website:
zoellerpumps.com

\*\*\* ATTENTION \*\*\*

The attached is the Zoeller Sewage/Waste Pumping System start-up report. In coordination with Zoeller Pump Company, installing contractor, and start-up technician, this form shall be completed and the "File Copy" returned to Zoeller Pump Company. Failure to do so will void the product's warranty.

- Step # 1: Sections #I, #II, and #III should be reviewed and completed by the installing contractor before the scheduled start-up session begins.
Step # 2: Schedule the start-up session with an authorized technician. With the installing contractor's assistance, the start-up technician should complete Section IV and V.
Notes: (A) A means of supplying water to pit required.
(B) Qualified personnel are required to take electrical meter readings.
Step # 3: The optional functional test listed in Section VI is highly recommended. The Flow Rate (GPM) can be determined by allowing the pump to run for a short period, and measuring the volume displacement, which is then converted to the flow rate for a one minute period. The System Head (TDH) usually has to be estimated by usage of manual calculations. Contact the Zoeller Technical Service Department for additional assistance.
Step # 4: The start-up technician completes Section VII with any comments and the signing off of all those present during start-up.
Step # 5: The start-up technician will distribute report copies. Mail white (file) copy to Zoeller Pump Company. Place the yellow (job site) copy in the owner's equipment file. The installing contractor puts the green (contractor's) copy in his job file. If the engineer is present during start-up, he is provided the pink (engineer's) copy, otherwise, mail the pink copy to Zoeller Pump Company.
Step # 6: Zoeller Pump Company will review reported data. If any problems are found that should be corrected, the installing contractor, engineer, start-up technician, and local Zoeller Pump Company representative will be notified.

P/N 019559

If the pink copy is returned to Zoeller Pump Company, it will be mailed to the engineer. Additional copies of this report will be made available to others by request.

\*\*\* THANKS FOR YOUR ASSISTANCE \*\*\*

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SECTION: 5.10.010

FM0990

0914

Supersedes

0312

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START-UP REPORT
ZOELLER SEWAGE/WASTE PUMPING SYSTEMS

FILE COPY
JOB NO. \_\_\_\_\_

I. PROJECT INFORMATION - Completed by Installing Contractor

JOB NAME: \_\_\_\_\_ LOCATION: \_\_\_\_\_
ENGINEER: \_\_\_\_\_ INSTALLING CONTRACTOR: \_\_\_\_\_
START-UP: \_\_\_\_\_
INSTALLATION DATE: \_\_\_\_\_ START UP DATE: \_\_\_\_\_

II. EQUIPMENT INFORMATION - Completed by Installing Contractor

Tag No. or Location I.D.: \_\_\_\_\_

PUMP NAMEPLATE DATA
P/N \_\_\_\_\_ Model No.: \_\_\_\_\_ Voltage \_\_\_\_\_ Phase \_\_\_\_\_ BHP \_\_\_\_\_ RATED FLA \_\_\_\_\_
Serial No. Pump 1: \_\_\_\_\_ (or) Date of Mfg. Pump 1: \_\_\_\_\_
Serial No. Pump 2: \_\_\_\_\_ (or) Date of Mfg. Pump 2: \_\_\_\_\_

Control Panel: \_\_\_\_\_
Float Switches: \_\_\_\_\_
Basin: \_\_\_\_\_
Pump Mount: [ ] Rail [ ] Free Standing [ ] Suspended
Installation Type: [ ] Field Assembled [ ] Pre Packaged

III. INSTALLER CHECKLIST - The following should be completed before start-up by installing contractor.

- [ ] Impeller turns freely by hand
[ ] Pump rotation correct (3 phase 600 & 700 series only)
[ ] Equipment in good condition
[ ] Pit Clean
[ ] Check valve, discharge pipe, and vent pipe installed
[ ] 3/16" vent hole drilled in discharge pipe
[ ] Access cover/Hatch Installed
[ ] Panel securely installed and electrical connections tight
[ ] Single phase starting capacitors installed
[ ] Short circuit protections \_\_\_\_\_ Amps
[ ] Thermal overload protections \_\_\_\_\_ Amps
[ ] Proper wiring connected to controller \_\_\_\_\_ Gage \_\_\_\_\_ Length
[ ] Float positions from bottom of pit
#1 \_\_\_\_\_ in. #2 \_\_\_\_\_ in. #3 \_\_\_\_\_ in. #4 \_\_\_\_\_ in.
(off) (on) (Alarm/override) (Alarm)

IV. START-UP VERIFICATION LIST

- [ ] To be check by the start up technician with installers assistance.
[ ] Discharge pipe installed. \_\_\_\_\_ in.
[ ] Vent pipe installed. \_\_\_\_\_ in.
[ ] Check Valve installed in correct location and direction
[ ] 3/16" vent hole drilled in discharge pipe
[ ] Pit clean
[ ] Access opening large enough for pump removal
[ ] Panel and internal wiring securely installed
[ ] Panel and junction box interior dry & sealed
[ ] Power supply cable length \_\_\_\_\_ Ft.
[ ] Float switches away from turbulence and hang-ups
[ ] Low water level above volute top (#1 off switch)
[ ] Pumps respond properly to hand-off-auto switch
[ ] Alarm respond properly to test - off - normal switch
[ ] Panel matches pump horsepower
[ ] Circuit breakers operational
[ ] Thermal overloads correctly set to match name plate amps
[ ] Operator has installation and maintenance manual
[ ] Operator has control panel schematic

V. ELECTRICAL READINGS:

Table with columns for SINGLE PHASE, THREE PHASE, Pump #1, and Pump #2. Rows include Voltage supply (Pump off/on), Amp draw (Pump on), and Voltage Supply (Pump on) for L1-L2, L2-L3, and L1-L3.

VI. FUNCTIONAL TEST

P1 \_\_\_\_\_ GPM @ \_\_\_\_\_ ' TDH
P2 \_\_\_\_\_ GPM @ \_\_\_\_\_ ' TDH

VII. SUMMARIZATION

COMMENTS: \_\_\_\_\_

I certify this start-up report to be accurate:

Name \_\_\_\_\_ Date \_\_\_\_\_

Others present during Start-Up:

- [ ] Engineer \_\_\_\_\_
[ ] Contractor \_\_\_\_\_
[ ] Operator \_\_\_\_\_
[ ] Other \_\_\_\_\_

FILE COPY

PIN 019559

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**CONTRACTOR'S COPY**

**ENGINEER'S COPY**

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