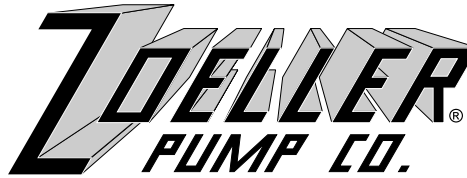


*"QUALITY PUMPS SINCE 1939"*

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



SECTION: 6.10.028

FM0990

0603

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1299

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961  
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

visit our web site:  
<http://www.zoeller.com>

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

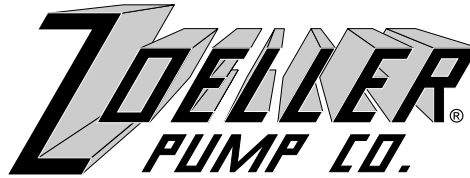
The attached is the Zoeller Sewage/Waste Pumping System start-up report. In coordination with Zoeller Pump Company, installing contractor, and start-up technician, this form shall be completed and the "File Copy" returned to Zoeller Pump Company. **Failure to do so will void the product's warranty.**

- 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.

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 \* \* \***

QUALITY PUMPS SINCE 1939



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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: Firm's Name INSTALLING CONTRACTOR: Company's Name
START-UP: Company's name Address/City/State
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: Manufacturer Model No. Serial No. Type
Float Switches: Manufacturer Model No. Quantity
Basin: Dimensions Additional Information:
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.
(Alarm/override)

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 Amp Draw (Pump on) with sub-rows for L1, L2, 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

**JOB SITE COPY**

**CONTRACTOR'S COPY**

**ENGINEER'S COPY**

**JOB SITE COPY**

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**ENGINEER'S COPY**