

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



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visit our web site:
zoellerengprod.com

*** * * ATTENTION * * ***

The attached is the Zoeller Engineered Products Pumping System start-up report. In coordination with Zoeller Engineered Products, installing contractor, and start-up technician, this form shall be completed and the "File Copy" returned to Zoeller Engineered Products. **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 Engineered Products. 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 Engineered Products.
- Step # 6: Zoeller Engineered Products will review reported data. If any problems are found that should be corrected, the installing contractor, engineer, start-up technician, and local Zoeller Engineered Products representative will be notified.

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

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

P/N 019560



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FILE COPY
JOB NO. _____

START-UP REPORT
ZOELLER ENGINEERED PRODUCTS PUMPING SYSTEMS

I. PROJECT INFORMATION - Completed by Installing Contractor

JOB NAME: _____ LOCATION: _____ Address/City, State _____
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 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:
SINGLE PHASE:
Voltage supply (Pump off) Pump #1 L1-L2 _____ V. Pump #2 L1-L2 _____ V.
Voltage supply (Pump on) L1-L2 _____ V. L1-L2 _____ V.
Amp draw (Pump on) L1 _____ A. L1 _____ A.
L2 _____ A. L2 _____ A.
THREE PHASE:
Voltage Supply (Pump off) L1-L2 _____ V. L1-L2 _____ V.
L2-L3 _____ V. L2-L3 _____ V.
L1-L3 _____ V. L1-L3 _____ V.
Voltage Supply (Pump on) L1-L2 _____ V. L1-L2 _____ V.
L2-L3 _____ V. L2-L3 _____ V.
L1-L3 _____ V. L1-L3 _____ V.
Amp Draw (Pump on) L1 _____ A. L1 _____ A.
L2 _____ A. L2 _____ A.
L3 _____ A. L3 _____ A.

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 _____

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