




# PUMP TROUBLESHOOTING

## PRE START

- 1 Make sure pump will turn freely.
- 2 Check driver and pump rotations agree with driver uncoupled.
- 3 Make sure bearings are adequately charged with clean lubricant.
- 4 Make sure any external lubricating, cooling, sealing etc. services and connections are turned on and operative.
- 5 Check that pump runs without undue heating, noise or vibration; refer to operating instructions for possible defects & rectify accordingly.

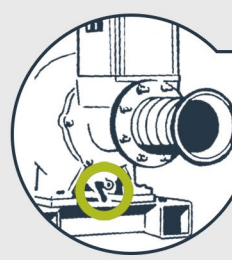
## PUMP WILL NOT START

 Use the engine or motor manufacturer's guide supplied with the pumpset.

## PUMP WILL NOT PRIME



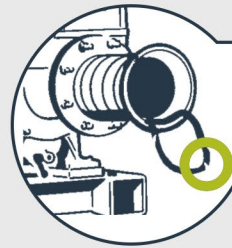
Check for strainer and hose blockages.



Is the drain cock under the pump volute closed? If not, shut off valve?



Ensure non-return valve seat is clear of any debris. Do this by opening the inspection plate.



Ensure all 'O' rings on the suction side of the pump are in place.

## PUMP WILL NOT DISCHARGE

- |  |  |  |
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| <p>1</p> <p>Check for closed valves in discharge line.</p> | <p>2</p> <p>Check for kinks and blockages in discharge line.</p> | <p>3</p> <p>Check the total head against pump performance specification.</p> |
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## NOISE AND/OR VIBRATION

- |  |   |   |                                       |                               |   |
|--|---|---|---------------------------------------|-------------------------------|---|
| <p>1</p> <p>Delivery is too high. Try closing valve.</p> | <p>2</p> <p>Suction lift too high for liquid temperature.</p> | <p>3</p> <p>Blocked suction line or impeller.</p> | <p>4</p> <p>Air or gas in liquid.</p> | <p>5</p> <p>Misalignment.</p> | <p>6</p> <p>Worn or defective bearings.</p> |
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