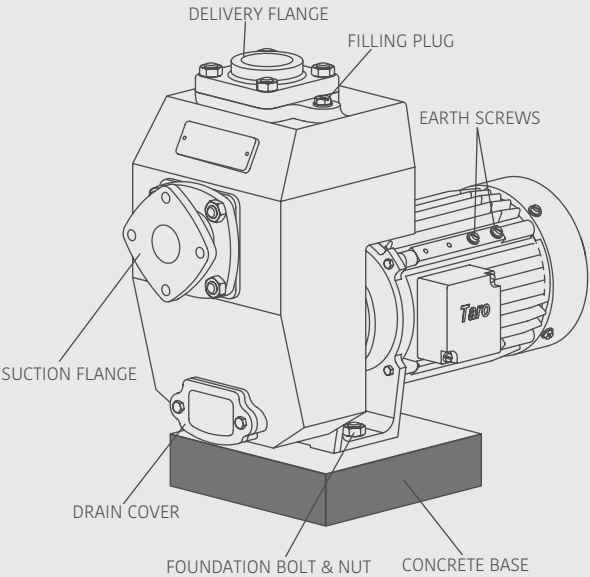


Non-Clog Sewage Pumps Installation Procedure

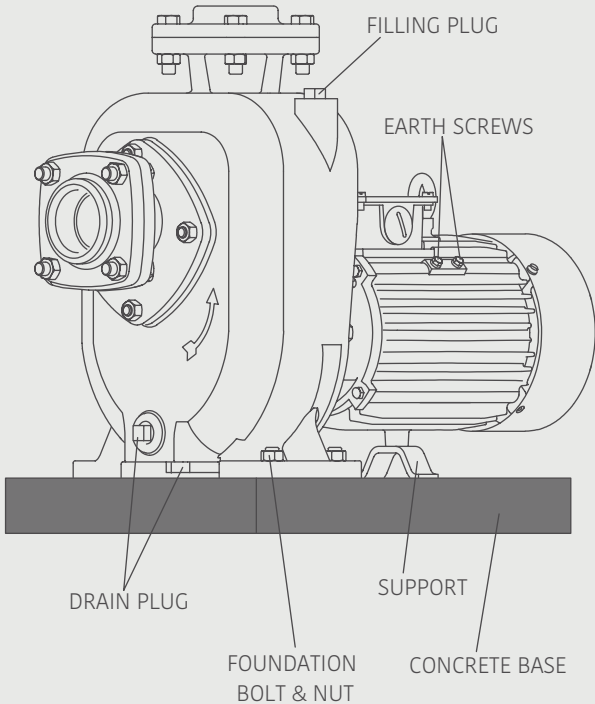
1. Prepare A Level Concrete Foundation

Prepare a level concrete foundation for mounting the Non-Clog sewage pump and tighten the motor base using the foundation bolts as shown in Fig. 1 below:

(a) NMH 7040 / NMH 1550



(b) NMH 2250



(c) NCH 2250 / NCS 3775

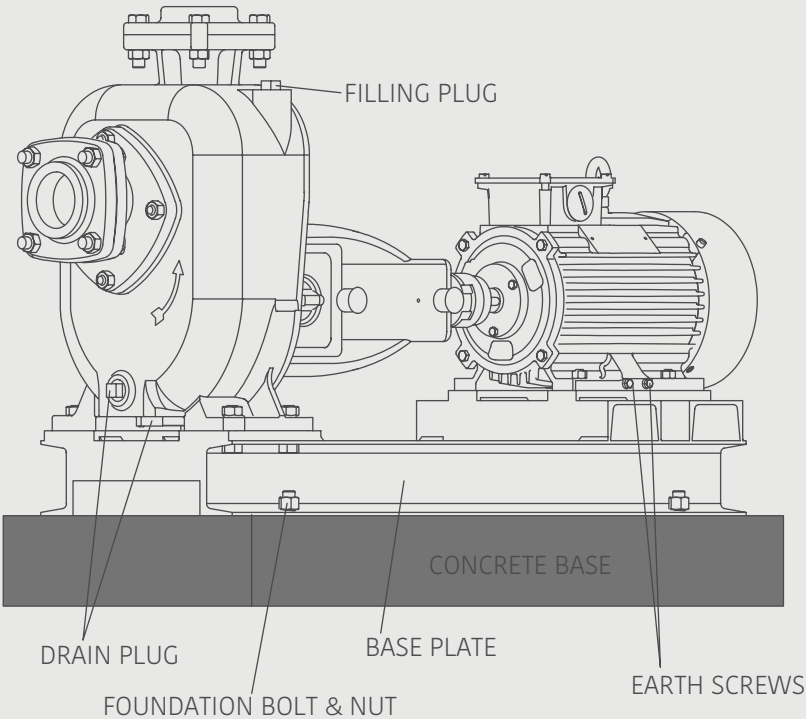


Fig. 1
Assembling Non-Clog Sewage Pump On A Concrete Foundation

2. Use Prescribed Pipe Sizes As Mentioned On The Product Name Plate

3. Place The Pump Center Line As Close As Possible To The Water Surface

4. The free end of the suction pipe fixed above the bottom of the well. Refer Fig. 2, shown below, for recommendations:

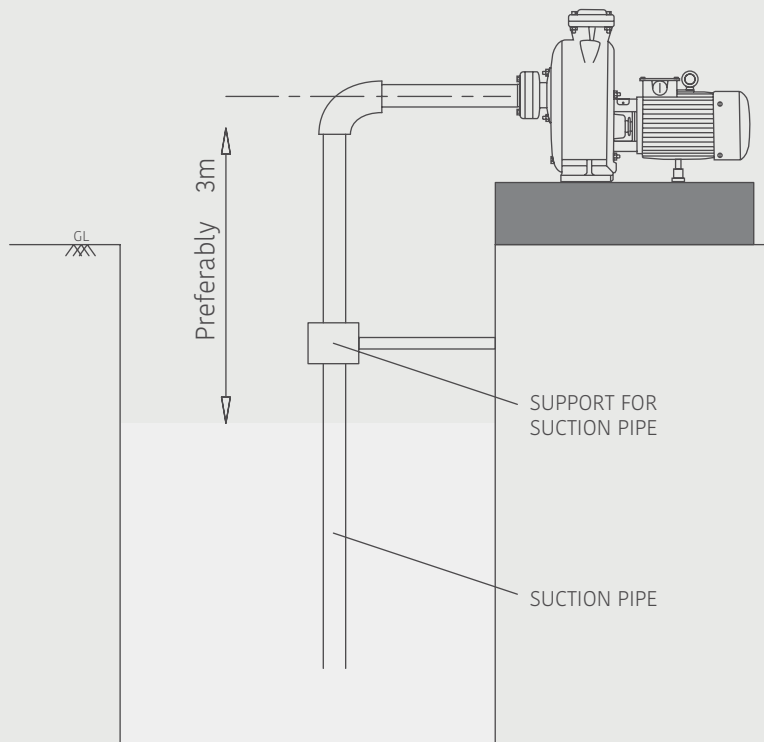


Fig. 2
Recommendations For Locating The Pump And Supporting Suction Pipe

5. Use As Few Pipe Fittings As Possible In The Suction Line

6. Remove The Filling Plug And Pour Water, As Shown In Fig. 3 Below; Into The Casing Till It Overflows. Replace The Filling Plug And Tighten It.

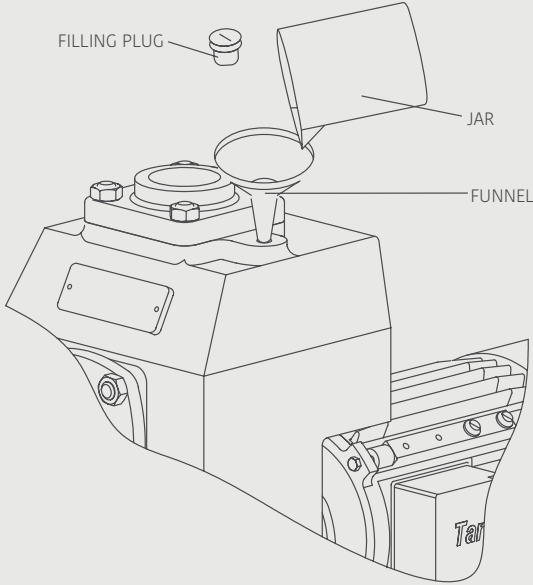


Fig. 3
Priming Arrangement For Non Clog Pumps

During priming, check the pump suction pipe for leakages.

7. Ensure That The Suction Pipe Connected To The Pump Suction Flange

Ensure that the suction pipe connected to the pump suction flange is horizontal or sloping upwards towards the pump suction flange to prevent air lock. A pipe sloping downwards towards the pump suction flange will result in air lock. Refer Fig. 4, shown below, for the preferred suction pipe orientation.

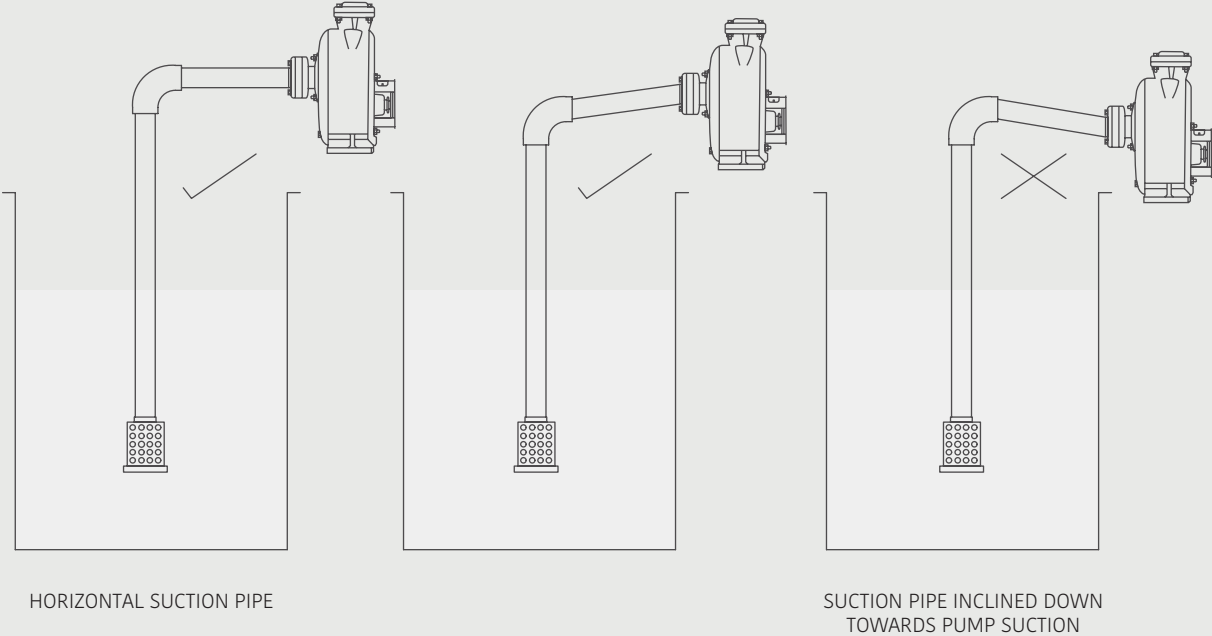


Fig. 4
Preferred Orientation Of Suction Pipe For Non Clog Pumps

8. Ensure Pump Is Primed

9. Connect The Sewage Pumps To The Starter And Power Up The Pump

- Check the direction of rotation of the motor shaft. If the direction of rotation is in the same direction as that marked on the casing, the connections are right.
- In case the direction of rotation of the motor shaft does not match the marking on the volute casing, interchange any two lead wires at the starter and confirm the direction of rotation as before.

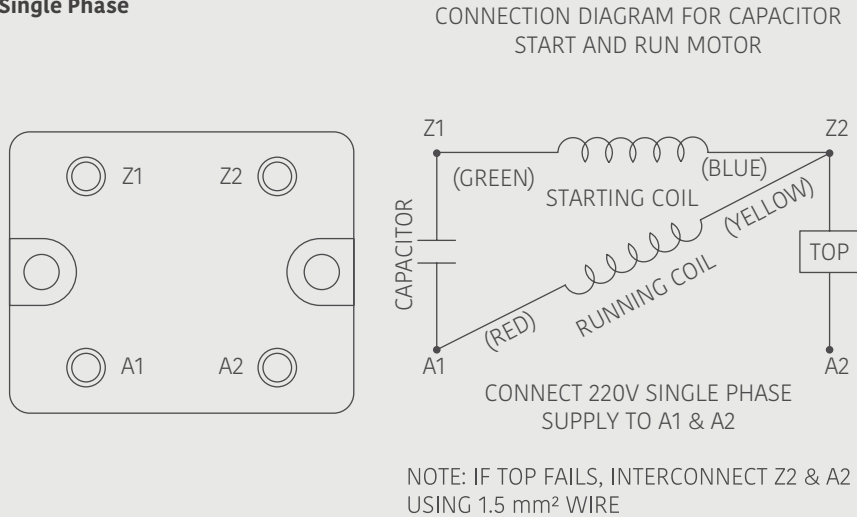
10. Electrical Installation

- Ground the Sewage pump using the two earth screws provided on the leg of the motor body.
- Ensure electrical joints, if any, are properly and adequately insulated.
- Connect the cable properly to the starter terminals to avoid loose connections.
- Factor in low voltage operation while selecting cable size.

11. Power Cable Connection To Non Clog Sewage Pump

Refer Fig. 5a and 5b, shown in the next page, for connecting the lead wires to the Terminal Board of Single and Three Phase Non Clog Sewage Pumps.

(a) Single Phase

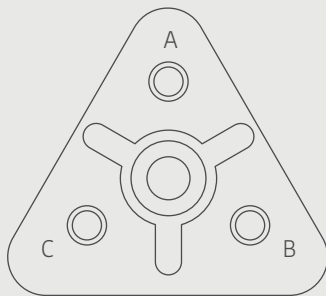


NMH-S 7040 / NMH-S1550
SINGLE PHASE

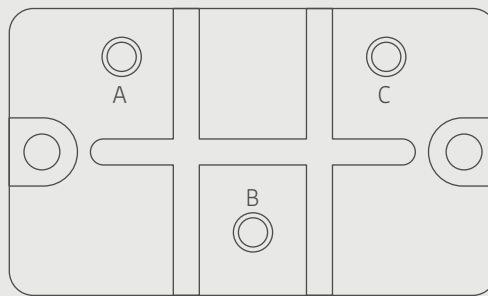
**Refer Fig. 5A And 5B,
Shown Below, For Connecting The Lead Wires To The Terminal Board Of Single And Three Phase Non Clog Sewage Pumps.**

(b) Three Phase

NMH 7040 / NMH 2250 / NCH 2250
THREE PHASE



NMH 1550 / NCS 3775
THREE PHASE



1. Connect three wires from the starter to the Motor Terminals marked A, B & C
2. Interchange any two line leads for change of direction.

Fig. 5
Cable Lead Wire Connections