

- 1. Hex nut
- 2. Washer
- 3. Support plate
- 4. 12.5 mm (0.5 in.) anchor bolt
- 5. Anchor bolt sleeve
- 6. Foundation (by customer)

Figure 7: Example of a typical installation

Support plate installation

Install the support plate with a pit cover

If access to the bottom of the pit cover is not possible during the installation process, you must assemble and install the pump (without the motor), support plate, and pit cover as a unit. You must install the pit cover perfectly level in order to make sure that the pump remains straight up and down when installed.

The vapor-proof option includes machined, gasketed fits between the support plate/pit cover and the pit cover/foundation. You must install these gaskets in order to ensure emissions performance. Bolt the pit cover to a metal sole plate with a machined surface in order to ensure an air tight seal.

- 1. Carefully lower the pit cover onto the foundation bolts.
- 2. Use as long a level as possible in order to level the pit cover in all directions with shims or wedges.
- 3. Hand tighten the anchor bolts. Check the level and re-shim if necessary.
- 4. Tighten all anchor bolts in a star pattern in order to avoid distorting the pit cover.
- 5. If access to the bottom side is possible, carefully lower the pump and support plate onto the pit cover.
- 6. Install all bolts and hand tighten.
- 7. Check the level on the support plate and re-shim if necessary.
- 8. Tighten all bolts in a star pattern in order to avoid distorting the support plate.

Install the support plate without a pit cover

- 1. Carefully lower the pump and support plate onto the foundation bolts.
- 2. Level the support plate in all directions using shims and wedges.
- 3. If you use the vapor-proof option, then perform one of these actions in order to make sure that you have an air-tight seal:

Support plate type	Action
Standard	Insert the supplied gasket between the two flanges. Bolt the support plate to a metal sole plate that has a machined surface.

Support plate type	Action
Tank flange	Install the supplied gasket between the two flanges. Make sure that the mating flange on the tank is level. Use gasket material between the flanges in order to make minor adjustments.

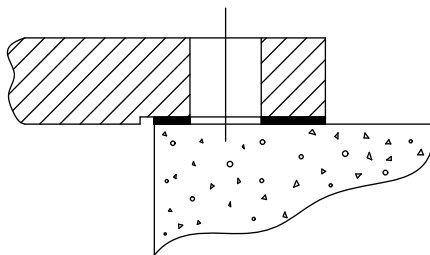


Figure 8: Layout for a standard support plate with the vapor-proof option

4. Hand tighten the anchor bolts. Check the level and re-shim if necessary.
5. Tighten all anchor bolts in a star pattern in order to avoid distorting the support plate.