

Vertical in-line Pump Stand's Installation Instructions

1) Pump stands are to be bolted to the vertical in-line pump flange by the outside (outboard) of the piping flange. This can allow complete removal of the vertical in-line pump without removal of the pump stands (see sketch 1).

2) The standard practice is to assemble the vertical in-line pump together with piping parts before mounting it on the pump stands. Do not attach vertical pipe drops until stands are installed.

3) Pump stands must be installed facing outside of the pump assembly on the even/level floor or onto an inertia base. Vibration isolation pads included must be installed as shown on sketch 2.

4) All bolts and anchor hardware used in the vertical in-line pump stand assembly must be a minimum of grade 2. If recommended by the manufacturer or installation engineer a higher grade, than follow their recommendation. All anchors must be installed according to the installation drawings and instructions.

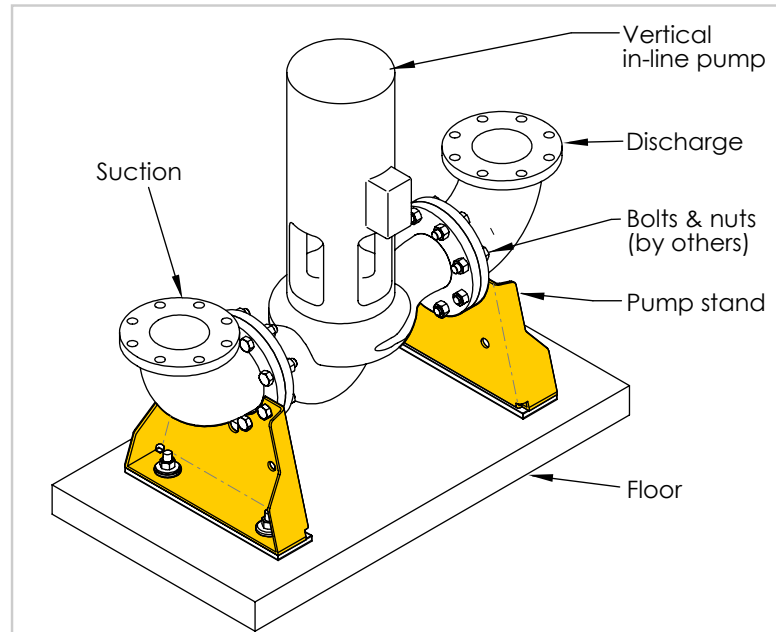
5) Place the vertical in-line pump stand onto the anchors and elastomer pad. Install the bridge-bearing neoprene washers, metal flat washers, and nuts, lightly snugged before a full tension is done. Make sure there are no gaps occur between pump stands and piping flanges or between the pump stands and the floor. Torque all bolts as required.

6) Installation is completed when all connecting pipes and accessories are attached. Make sure connecting pipe's weight doesn't distribute on the pump stands, but is supported by other means.

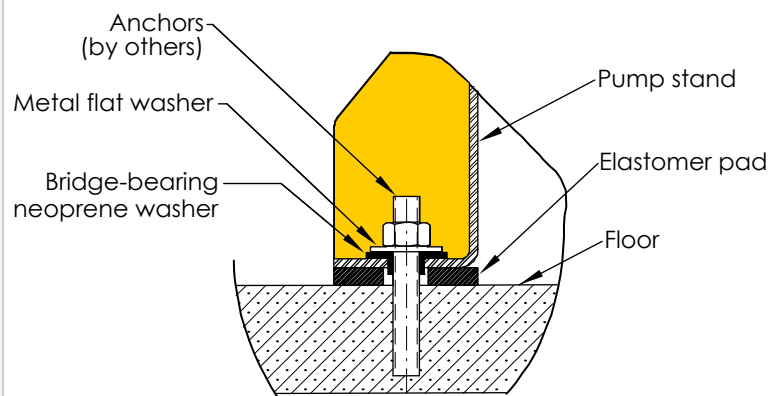
7) Vibrasystems Inc. recommends using double pump stand (DPS model) for extra heavy-duty and high-pressure vertical in-line pumps, and also for installation in the areas with probabilities of seismic activities.



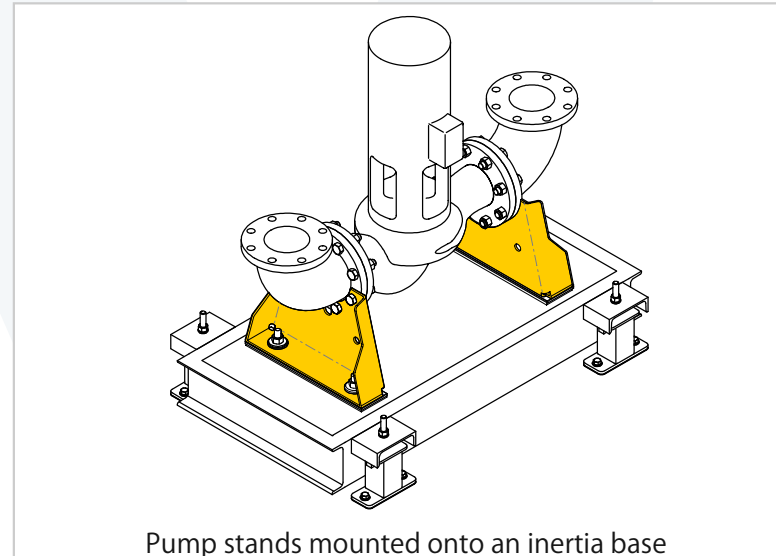
DPS models



Sketch 1



Sketch 2



Pump stands mounted onto an inertia base