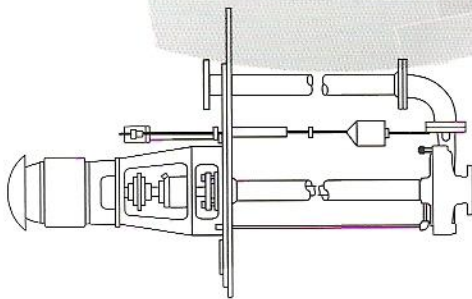


# Model SOSM Vertical Process Sump



Flows To: 7,400 GPM  
Heads To: 985 Feet  
Temps To: 400° F  
Pit Depths: 25' Settings

## Services:

- Industrial Process
- Industrial Sump Wastes
- Tank Unloading
- Corrosive & Non-Corrosive Liquids

## Motor

- Stocked C-face for quick delivery

## Thrust Bearing Housing

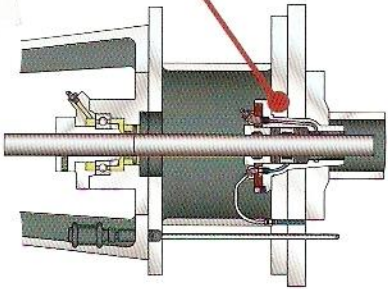
- Integral thrust bearing housing featuring simplex bearing or optional duplex bearing
- Optional stuffing box

## Float Rod Stuffing Box (optional)

- Used for gas tight applications
- Constructed of bronze or other specified alloy

## Teardrop Baseplate

- Eliminates removing entire coverplate for servicing pump
- Motor pedestal, thrust bearing housing, discharge pipe, optional float switch and optional stuffing box all mount to baseplate



### Stuffing Box (optional)

- The stuffing box option features an integral lantern ring and heavy duty throat bushing
- External grease lubrication or water flush can easily be added to the standard box
- Optional dry running seals can be supplied upon request

### Inboard Head

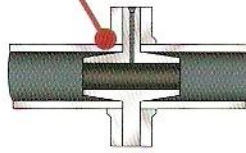
- Heavy duty cast steel or other specified alloy
- Close to impeller to increase life of pump
- Heavy duty fluted, steady bearing available in optional metallurgy
- Steady bearing can be lubricated from outside source
- Wide variety of bearing available to meet specific requirements

### Shaft

- Designed and sized especially for the pump and its applications
- Oversized for unplanned loads
- High tensile 416 stainless steel or other specified alloy
- Bearing housings with integral lineshaft bearings are installed every 4 to 5 feet to minimize shaft whip and deflection
- Wide variety of bearing available to meet specific requirements

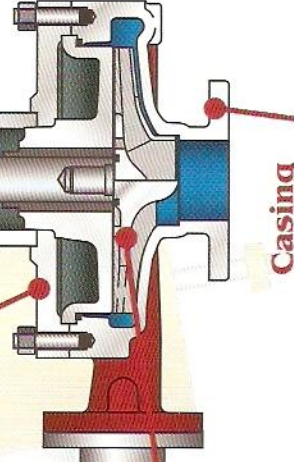
### Lineshaft Bearing Housing & Bearing

- "Real" lineshaft bearing housings with heavy duty design
- All lineshaft bearings and housings are externally drilled for flushing requirements
- This bearing housing can be lubricated with the pumped fluid or from the surface plate using pumped fluid, water, grease or oil
- Wide variety of bearings available to meet specific requirements



### Impeller

- One piece cast steel or other specified alloy
- Expertly machined to customer specifications
- Fully balanced prior to assembly
- Impellers are available in Reverse Vane, Semi-Open and Low-Flow designs
- Impeller wear rings can be supplied upon request



### Casing

- Standard cast steel or other specified alloy
- Heavy wall thickness to provide generous corrosion allowance