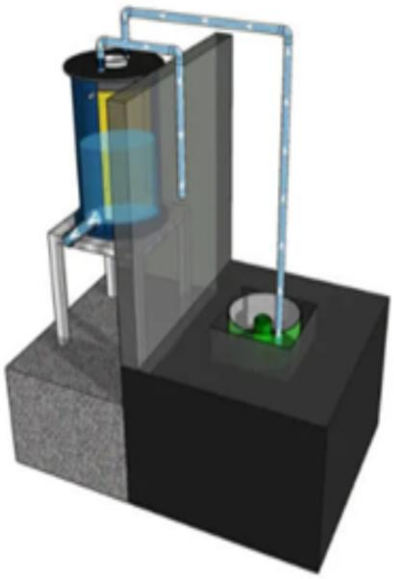
VIPOR Dewatering Pumps, Sumps & Bund Oil Water Filtration Systems

VIPOR - 100 SOWF



Description

The VIPOR-100 SOWF (Vault Integrated Pump and Oil Redundancy) is an automatic dewatering system.

The VIPOR-100 SOWF dewatering pump has the broadest application because it is the most versatile ,it does not require a sump or crock, though it does need a free discharge area. It is most commonly used to retrofit existing concrete moat containment.

The VIPOR-100 SOWF operates similar to the VIPOR-SOWF, but at a flow rate that can exceed 380 litres per minute. Under normal conditions when water enters the vault, it flows to the low area of the dewatering pump and vault sump filter (VSF) ring. The VSF ring filters large sediment in the water.

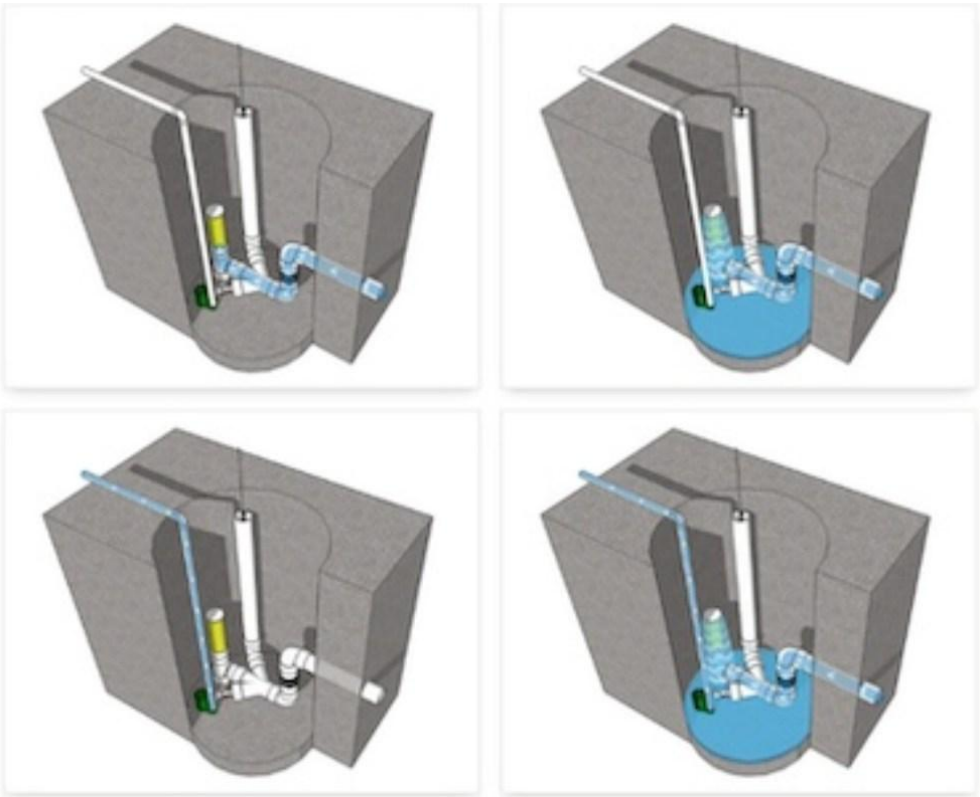
Rising water activates the dewatering pump. The pump moves the water up the 50mm PVC pipe to the VIPOR-100 SOWF. Inside the VIPOR-100, small sediment (25 micron) is filtered by the 200mm pre-filter before it enters the main chamber. This is where hydrocarbons, and most volatile organic compounds, are removed to a non-detectable level to meet EPA Guidelines. The filtered water is released through gravity flow and into the surrounding ground area.

- Will not pass sediment or hydrocarbons providing full oil containment
- Automatic dewatering pump allows safe, unattended wastewater
- discharges Saves crew time from frequent manual dewatering
- Keeps equipment in vaults in working order
- Ensures compliance with waste and storm water discharge
- requirements All encased in small simple footprint
- Three models available based on your site-specific application

Details

- Capacity - > = 380 liters-per-minute.
- Compliance - The VIPOR system enables facilities to comply with EPA regulations using filtering
- Power - Supplied to your voltage and IP rating requirements.
- Application - Oil containment. Polishing and capturing sheen in the event of an oil discharge
- Description - Plug and play installation. Simply plumb units into existing drainage systems or into substation yard.
- Technology that prevents and traps oil and oil sheen that is mixed into secondary containment units, underground vaults or sumps.

VIPOR - SOWF



Description

Though it operates similar to other oil-detecting pumps on the market, only the VIPOR dewatering pump system prevents sheen from passing.

The VIPOR-SOWF (Sump Oil Water Filtration) polishes and captures sheen as it evacuates water, with complete shutoff capabilities in the event of an oil discharge. Under normal conditions, when water drains into the VIPOR-SOWF system, the 150mm pre-filter (25 micron) captures small sediment.

Next, water enters the 150 x 600mm HFF (Hydrocarbon Flow Filter) where hydrocarbons and most volatile organic compounds will be removed from the water to a non-detectable level to meet EPA guidelines .

Should a major hydrocarbon release occur, the VIPOR – SOWF stops the flow through the filter. As the dewatering pump continues to operate, water rises in the standpipe and activates the float switch that sends a signal to alarm for system attention.

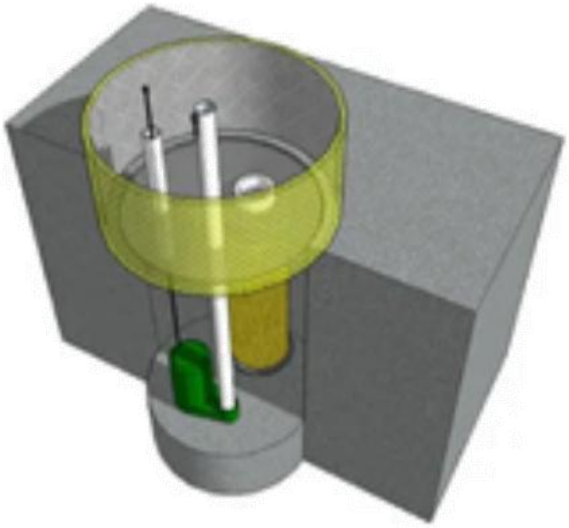
Details

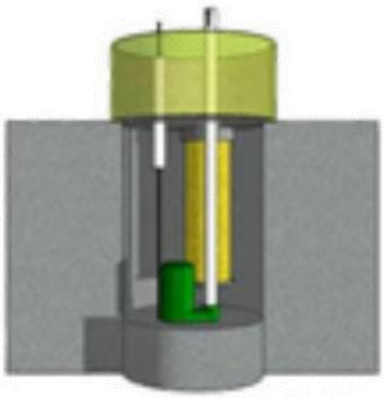
The VIPOR-SOWF (Sump Oil Water Filtration) is most commonly installed in secondary containment vaults/bunds with a collection sump. The VIPOR-SOWF polishes and captures sheen as it evacuates water.

The VIPOR-SOWF is most commonly installed in a secondary containment vault with a collection sump.

- Capacity up to 151 liters-per-minute.
- Power - Supplied to your voltage and IP rating requirements.
- Application - Oil containment. Polishing and capturing sheen in the event of an oil discharge
- Description - Plug and play installation. Simply plumb units into existing drainage systems or into substation yard.
- Technology that prevents and traps oil and oil sheen that is mixed into secondary containment units, underground vaults or sumps.
- Compliance - The VIPOR system enables facilities to comply with EPA regulations using filtering technology that prevents and traps oil and oil sheen that is mixed into secondary containment units, underground vaults or sumps.

Dewatering Pump, VIPOR-SUMP





Description

The VIPOR-SUMP Dewatering Pump is commonly used in transformer vaults with an existing sump crock. It polishes and traps oil and oil sheen as it drains water.

The VIPOR-SUMP is commonly used in transformer vaults with an existing sump crock. It performs the same functions as an oil water separator, with the added benefit of preventing sheen to pass.

The VIPOR-SUMP dewatering pump system polishes and captures sheen as it evacuates water with complete shutoff capabilities in the event of an oil discharge. Under normal conditions when water drains into the VIPOR-SUMP system, the vault sump filter (VSF) ring surrounding the VIPOR-SUMP unit captures large sediment and the pre-filter (25 micron) captures small sediment. Next, water enters the 150 x 600mm HFF (Hydrocarbon Flow Filter) where hydrocarbons and most volatile organic compounds will be removed from the water to a non-detectable level to meet EPA guidelines. The filtered water will then be pumped out of the system by its submersible dewatering pump.

Details

- Capacity up to 151 liters-per-minute.
- Power - Supplied to your voltage and IP rating requirements.
- Application - Oil containment. Polishing and capturing sheen in the event of an oil discharge
- Description - Plug and play installation. Simply plumb units into existing drainage systems or into substation yard.
- Technology that prevents and traps oil and oil sheen that is mixed into secondary containment units, underground vaults or sumps.
- Compliance - The VIPOR system enables facilities to comply with EPA regulations using filtering technology that prevents and traps oil and oil sheen that is mixed into secondary containment units, underground vaults or sumps.