The Oil Smart Switch with panel or alarm, when combined with a pump, allows water to be pumped from Elevator sumps, leachate wells and transformer vaults without danger of pumping oil into sewers and waterways.

The Oil Removal System is an oil removal system providing alarm when oil is being pumped.

**FEATURES**

- Protects environment from hazardous waste
- The solid state device senses between oil and water
- Panel and switch kitted with effluent single phase pumps.
- Only operates pump if water is sensed by probes. Does not operate if oil is present in pit.
- Oil Removal: Sensor differentiates between oil and water. Panel allows oil to be pumped.

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**Elevator Sump Kits and Components**

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CentriPro
a xylem brand
OIL SMART® SWITCH
• Solid state sensing device that differentiates between oil and water
• Two sense points, Pump On and Pump Off, reduces the risk of pumping oil or other hydrocarbons into the environment
• Includes mounting hardware
• Pump On position is the shorter rod
• Pump Off position is the longer rod
• Pumping Differential: 6”
• Dimensions: 2.5” wide x 6” high (body less rods) x 1.75” deep.
• 20’ cord
• Completely encapsulated and water-tight
• CE, UL 508, UL Marine and CUL Listings
• Exceeds U.S. Coast Guard Standards
• Complies with State and Federal regulations and reduces the risk of adverse publicity and expensive cleanup costs.

Part Number A1SEEWATER
A1SEEWATERP (with plug)

OIL SMART® ALARM
• Alarm leak or liquid detection
• 120V
• Includes Liquid Smart® Sensor
• Sensor differentiates between oil and water
• Alarm indication differentiates liquid
• Dry contacts

Part Number A4-SEE1

OIL SMART® SWITCH AND ALARM KIT
• Combines plug version of Oil Smart switch for direct pump connection with Oil Smart alarm
• Two sense points, Pump On and Pump Off, reduces the risk of pumping oil or other hydrocarbons into the environment
• Includes mounting hardware
• Pump On position is the shorter rod
• Pump Off position is the longer rod
• Pumping Differential: 6”
• Dimensions: 2.5” wide x 6” high (body less rods) x 1.75” deep.
• 20’ cord
• Completely encapsulated and water-tight
• CE, UL 508, UL Marine and CUL Listings
• Includes Liquid Smart® Sensor
• Sensor differentiates between oil and water
• Alarm indication differentiates liquid
• Dry contacts

Part Number A1SEEWATER1
Includes:
• A1SEEWATERP
• A4SEE1
SIMPLEX SINGLE PHASE PANEL KIT

- Simplex, 115 or 230 volt, 1Ø panel, up to 20 amps, in rugged NEMA 4X fiberglass enclosure with locking hasp and hinged door.
- Use with our model A1SEEWATER Oil Smart sensor to control a sump/effluent pump in areas where oil may be present.
- The sensor differentiates between oil and water. The panel and sensor will not allow the pump to operate unless water is present, eliminating environmental contamination and costly oil cleanups.
- High level alarm features a top mounted high intensity red alarm light with 360º visibility and a 95db corrosion resistant alarm horn.
- Terminal strip with connections
- Entire panel is UL and CUL Listed.
- Switch included (A1SEEWATER)
- Includes Liquid Smart switch

Part Number A1SEE1

Includes:
- Panel • Liquid Smart sensor • Oil Smart switch

Optional panels available on request for oil removal to separate chamber
- by operation of solenoid OR
- with two separate pumps

SIMPLEX SINGLE PHASE PANEL OIL REMOVAL KIT

- The sensor differentiates between oil and water. The panel will allow oil to be pumped to same chamber while sending alarm.

Part Number A1SEE2 (no valves used)
Part Number A1SEE5 (used with solenoids)

Includes:
- Panel • Liquid Smart sensor • Oil Smart switch

SIMPLEX THREE PHASE PANEL KIT

- Simplex, 3Ø panel in rugged NEMA 4X fiberglass enclosure with locking hasp. Multitap.

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<thead>
<tr>
<th>Part #</th>
<th>Voltage</th>
<th>Full Load Amps</th>
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<td>208-240/460</td>
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<td>208-240/460</td>
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Includes:
- Panel • Liquid Smart sensor • Oil Smart switch

SIMPLEX THREE PHASE PANEL OIL REMOVAL KIT

- The sensor differentiates between oil and water. The panel will allow oil to be pumped to same chamber while sending alarm signal. Multitap.

Part Number A3SEE2 - 208V / 230V / 480V (no valves used)
Part Number A3SEE7 - 208V / 230V / 480V (used with solenoids)

Includes:
- Panel • Liquid Smart sensor • Oil Smart switch

SOLENOID VALVES

<table>
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<td>95-17</td>
<td>1.5&quot;</td>
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<tr>
<td>95-19</td>
<td>2&quot;</td>
<td>Open</td>
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</table>
DUPLEX SINGLE PHASE PANEL KIT

- 1Ø panel, 115 / 208 / 230 volt
- Two 20 amp motor start relays
- Operates pumps: up to ¾ HP at 120V
  up to 2 HP at 230V
- Includes Liquid Smart® alarm sensor
- Alarm indication differentiates liquid
- Includes high water 2-pump demand switch
- Includes Oil Smart® pump controller
- Alternation, 2-pump high demand, pump no load lockout.
- Seal fail fault and high temperature
- NEMA 4X enclosure
- Dry contacts
- All switches included

Part Number D1SEE20

Part Number D1SEE20 includes:
- Panel
- Oil Smart switch
- High water 2-pump switch
- Liquid Smart sensor
**PANEL LAYOUTS**

**SIMPLEX SINGLE PHASE PANEL – A1SEE1**

Enclosure Dimensions (in inches)

![Enclosure Diagram]

Wiring Diagram

![Wiring Diagram]

* Hook up separate 120V supply here or jump from pump terminal 1 and 3 to alarm terminal 6 and 7 for power.

* For 240V, remove jumper and supply power to terminals 1 and 2, with neutral on 3.
PANEL LAYOUTS

SIMPLEX PANEL OIL REMOVAL – A1SEE2

Enclosure Dimensions (in inches)

* Hook up separate 120V supply here or jump from pump terminal 1 and 3 to alarm terminal 6 and 7 for power.

* For 240V, remove jumper and supply power to terminals 1 and 2, with neutral on 3.
PANEL LAYOUTS

SIMPLEX THREE PHASE PANEL – A3SEE1

Enclosure Dimensions (in inches)

Wiring Diagram
PANEL LAYOUTS

SIMPLEX THREE PHASE OIL REMOVAL PANEL – A3SEE2

Enclosure Dimensions (in inches)

Wiring Diagram
DUPLEX PANEL – D1SEE20

Technical Specifications:
- Panel Enclosure: Heavy Duty NEMA 4X Polycarbonate, 14” x 12” x 6”
- Components Enclosure: Type 3R High Impact Injected Plastic
- Oil Smart Switch Dimensions: 2.5” W x 6” H x 1.75” D plus 6” sensor
- Liquid Smart/High Water 2 Pump Switch Dimensions: 3.5” H x 1.5” W x 1.5” D

Verify correct operation of control panel after installation is complete.

Use Copper Conductors Only
Temperature ratings of conductors is to be 60°C (167°F). Branch circuit protection shall be provided by the installer. Must be sized according to pump/motor manufacturing specifications.
ELEVATOR PUMP KITS

<table>
<thead>
<tr>
<th>Brands</th>
<th>Model Number</th>
<th>Panel</th>
<th>Oil Smart Switch</th>
<th>Liquid Smart Sensor</th>
<th>Pump</th>
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</table>

FEATURES FOR PUMP

- Effluent, 1/3, 1/2, 3/4 and 1 HP, single phase pump
- Hard faced seal
- Cast iron construction

PUMP INSTALLATION KIT

CONTROL PANEL TO BE MOUNTED OUTSIDE OF SUMP

HIGH LIQUID LEVEL

LIQUID SMART

OIL SMART

PUMP ON LEVEL

PUMP OFF LEVEL

1" MIN
1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating innovative solutions to meet our world’s water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com