

# INTRINSICALLY SAFE OIL SMART® PUMP SYSTEMS

## Overview:

See Water, Inc. offers a complete line of Intrinsically Safe Oil Smart® pump control systems. The systems are designed to pump water without the risk of pumping oil, and provide constant monitoring of oil and water in hazardous locations. The components are UL listed as intrinsically safe approved for Class 1, Div 1, Group D applications.

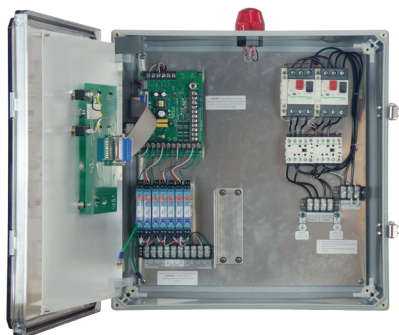
## Features:

- Industrial control panel that is UL 698 approved with intrinsically safe circuit extensions approved for Class 1, Div 1, Group D applications
- Intrinsically safe Liquid Smart® Sensor, Oil Smart® Control, and High Water Sensor (included only with Duplex systems) with 20' cords
- Indoor/outdoor NEMA 4X heavy duty polycarbonate enclosure with clear front and lockable latches
- Alarm visible indicators: red beacon alarm light, yellow light for oil, white light for water, alarm test and silence buttons
- Remote monitoring dry contacts: oil, water, high liquid, pump(s) run, pump #1 fault, and pump #2 fault
- Upgraded pump protection: motor protective switch(es) included for pump(s) (branch circuit protection, adjustable overload and disconnect), and thermal cutout with indicators
- Pump control visible indicators: pump hand-off-auto (H.O.A.) switch(es), green pump run light(s), red pump fault light(s) and green power on light



## Applications:

- Hazardous locations classified as Class 1, Div 1, Group D
- Elevator sumps and underground vaults
- Any application where there is a need to remove water while containing oil



Your Trusted Source for Quality Control Panels.®

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## Simplex Single Phase: 120/208/240VAC

Models	Pump Full Load Amp Rating
IS-OSSIM-TP-1001	0-7.0 FLA
*IS-OSSIM-TP-1002	7.0-15.0 FLA
IS-OSSIM-TP-1003	15.0-22.0 FLA
IS-OSSIM-TP-1004	22.0-28.0 FLA

\*If Model # IS-OSSIM-TP-1 is ordered, the IS-OSSIM-TP-1002 will be shipped.

Note: Thermal overload protection is generally provided in single phase pumps. To request a specific overload on the Oil Smart® Single Phase Models, contact the factory. Each panel includes a motor protective switch that will provide accurate pump circuit breaker protection.

## Duplex Single Phase: 120/208/240VAC

Models	Pump Full Load Amp Rating
IS-OSD1P-1021	0-7.0 FLA
*IS-OSD1P-1022	7.0-15.0 FLA
IS-OSD1P-1023	15.0-22.0 FLA
IS-OSD1P-1024	22.0-28.0 FLA

\*If Model # IS-OSD1P is ordered, the IS-OSD1P-1022 will be shipped.

Note: Thermal overload protection is generally provided in single phase pumps. To request a specific overload on the Oil Smart® Single Phase Models, contact the factory. Each panel includes a motor protective switch that will provide accurate pump circuit breaker protection.

## Simplex Three Phase: 208/240/480VAC

Models	Pump Full Load Amp Rating
IS-OSSIM-TP-3001	1.0-1.6 FLA
IS-OSSIM-TP-3002	1.6-2.5 FLA
IS-OSSIM-TP-3003	2.5-4.0 FLA
IS-OSSIM-TP-3004	4.0-6.3 FLA
*IS-OSSIM-TP-3005	6.0-10.0 FLA
IS-OSSIM-TP-3006	9.0-14.0 FLA
IS-OSSIM-TP-3007	13.0-18.0 FLA
IS-OSSIM-TP-3008	17.0-23.0 FLA
IS-OSSIM-TP-3009	20.0-25.0 FLA
IS-OSSIM-TP-3010	24.0-32.0 FLA

\*If Model # IS-OSSIM-TP-3 is ordered, the IS-OSSIM-TP-3005 will be shipped.

## Duplex Three Phase: 208/240/480VAC

Models	Pump Full Load Amp Rating
IS-OSD3P-3021	1.0-1.6 FLA
IS-OSD3P-3022	1.6-2.5 FLA
IS-OSD3P-3023	2.5-4.0 FLA
IS-OSD3P-3024	4.0-6.3 FLA
*IS-OSD3P-3025	6.0-10.0 FLA
IS-OSD3P-3026	9.0-14.0 FLA
IS-OSD3P-3027	13.0-18.0 FLA
IS-OSD3P-3028	17.0-23.0 FLA
IS-OSD3P-3029	20.0-25.0 FLA
IS-OSD3P-3030	24.0-32.0 FLA

\*If Model # IS-OSD3P is ordered, the IS-OSD3P-3025 will be shipped.

## Custom Options

- AF = Alarm Flasher
- SF = Seal failure circuit & indicator light
- TC = Thermal cutout circuit
- ET = Elapsed time meter: Includes LCD display & reset
- CC = Cycle counter: Includes LCD display & reset
- LA = Lighting secondary surge arrestor
- AH = Anti condensation heater
- MD = Main disconnect: Through door style
- SS = Stainless Steel enclosure upgrade
- C = Additional cord length greater than 20' specify after C.  
example: (IS-OSSIM-TP-1001-C50) indicates 50' cable length for all sensors

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