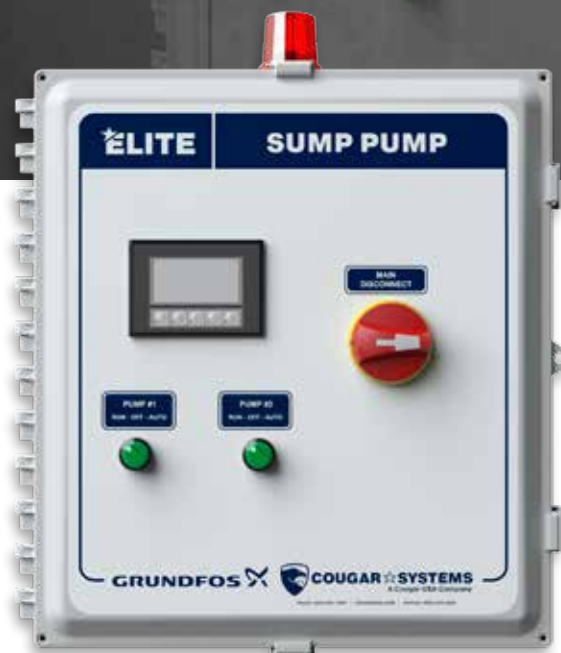


Commercial Wastewater Control Panels

GRUNDFOS **ELITE**

The Elite Series control panel is a PLC based panel with digital touchscreen for storm/sanitary sump pump applications. The UL 508a Listed control panel can be configured for either float switch operation or for continuous level transmitter input. The PLC operation allows for maximum flexibility with respect to control functions (such as number of pumps, pump sequencing, pump configurations, elapsed time meters, etc.). The panel mounted touchscreen displays pump operation, alarm status, pump run times and with continuous level transmitter applications provides simple set point selection of all pump control and alarm levels.



Key Features and Benefits

- Incoming Service Main Disconnect
- Type 4X Polycarbonate Enclosure
- PLC Based Control System
- Panel mounted Touchscreen
- Visual/Audible Alarm Indication with Silencing
- 22mm LED Illuminated Pump run HOA Switches
- General Alarm Remote Monitoring Dry Contact
- Wire Labels
- Easy to Access Field Terminals
- Moisture Switch Alarm or Seal Fail Relay Available
- UL 508a Listed
- Optional Dead Front Construction
- Optional SS Enclosure
- Optional UL 698a Listing

APPLICATIONS

- Stormwater
- Sump/Sewage/Effluent

Elite Series Configurations

- Duplex
- 120vac/ 1ph
- 200/240vac / 1ph
- 200/240vac/ 1ph with start and run capacitors
- 200/230/480/600vac/ 3ph



Elite Series, Duplex, Float

GRUNDFOS PIP 1/2 - 2HP ELITE SERIES DUPLEX CONTROL PANELS

PN	Description	Moisture Switch or Seal Fail Relay	Voltage	FLA	Panel Size
99389436	Panel, Spartan Elite DUP-M 1X120, 13	Moisture Switch	1x120	13	16" x 14"
99389437	Panel, Spartan Elite DUP-S 1X120, 13	Seal Fail Relay	1x120	13	16" x 14"
99389438	Panel, Spartan Elite DUP-M 1X240, 6	Moisture Switch	1x240	6	16" x 14"
99389439	Panel, Spartan Elite DUP-S 1X240, 6	Seal Fail Relay	1x240	6	16" x 14"
99389440	Panel, Spartan Elite DUP-M 1X240, 11	Moisture Switch	1x240	11	16" x 14"
99389441	Panel, Spartan Elite DUP-S 1X240, 11	Seal Fail Relay	1x240	11	16" x 14"
99389442	Panel, Spartan Elite DUP-M 1X240, 14	Moisture Switch	1x240	14	16" x 14"
99389453	Panel, Spartan Elite DUP-S 1X240, 14	Seal Fail Relay	1x240	14	16" x 14"
99389454	Panel, Spartan Elite DUP-M 1X240, 16	Moisture Switch	1x240	16	16" x 14"
99389455	Panel, Spartan Elite DUP-S 1X240, 16	Seal Fail Relay	1x240	16	16" x 14"
99389456	Panel, Spartan Elite DUP-M 3X208-230, 12	Moisture Switch	3x208-230	12	18" x 16"
99389457	Panel, Spartan Elite DUP-S 3X208-230, 12	Seal Fail Relay	3x208-230	12	18" x 16"
99389458	Panel, Spartan Elite DUP-M 3X208-230, 32	Moisture Switch	3x208-230	32	18" x 16"
99389459	Panel, Spartan Elite DUP-S 3X208-230, 32	Seal Fail Relay	3x208-230	32	18" x 16"
99389460	Panel, Spartan Elite DUP-M 3X480, 12	Moisture Switch	3x480	12	18" x 16"
99389461	Panel, Spartan Elite DUP-S 3X480, 12	Seal Fail Relay	3x480	12	18" x 16"
99389462	Panel, Spartan Elite DUP-M 3X480, 32	Moisture Switch	3x480	32	18" x 16"
99389463	Panel, Spartan Elite DUP-S 3X480, 32	Seal Fail Relay	3x480	32	18" x 16"
99389464	Panel, Spartan Elite DUP-M 3X600, 05	Moisture Switch	3x600	5	18" x 16"
99389465	Panel, Spartan Elite DUP-S 3X600, 05	Seal Fail Relay	3x600	5	18" x 16"
99389466	Panel, Spartan Elite DUP-M 3X600, 12	Moisture Switch	3x600	12	18" x 16"
99389467	Panel, Spartan Elite DUP-S 3X600, 12	Seal Fail Relay	3x600	12	18" x 16"

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Commercial Wastewater Control Panels

GRUNDFOS SPARTAN

OIL LOGIC

The Spartan Oil Logic Series is an economical control panel specifically designed for oil/water interface sump pump applications, such as hydraulic elevator sumps, transformer vaults and any sump pump application where the presence of oil needs to be detected. The UL 508a Listed control panel utilizes a combination oil/water level sensor that allows pump operation in the presence of water and prevents pump operation in the presence of oil. In addition to typical motor controls, the system also provides both a high level alarm and oil present alarm with auxiliary alarm contacts for remote indication.



Key Features and Benefits

- Combination Oil/Water Level Sensor
- Type 4X Polycarbonate Enclosure
- Visual/Audible Alarm Indication with Silencing
- Simple Relay Logic Controls
- 10mm Pump run Toggle Switches
- 10mm Neon Indicator Lights
- Incoming Service Main Disconnect
- General Alarm Remote Monitoring Dry Contact
- UL 508a Listed
- Easy to access Field Terminals
- Optional Dead Front Construction

APPLICATIONS

- Simplex Elevator Shaft Drainage

Spartan Oil Logic Series Configurations



Spartan, Simplex, Oil Logic
(List Price includes Sensor)

- Simplex
- Oil & Water Discriminating
- 120vac/ 1ph
- 200/240vac / 1ph
- 200/240vac/ 1ph with start and run capacitors
- 200/230/480vac/ 3ph

GRUNDFOS PIP 1/2 - 2HP SPARTAN OIL LOGIC SERIES SIMPLEX CONTROL PANELS

PN	Description	Voltage	FLA	Panel Size
99388769	Panel, Spartan Sim Oil 1x120, 13	1x120	13	12" x 10"
99388770	Panel, Spartan Sim Oil 1x240, 6	1x240	6	12" x 10"
99388771	Panel, Spartan Sim Oil 1x240, 11	1x240	11	12" x 10"
99388772	Panel, Spartan Sim Oil 1x240, 14	1x240	14	12" x 10"
99389393	Panel, Spartan Sim Oil 1x240, 16	1x240	16	12" x 10"
99389394	Panel, Spartan Sim Oil 3x208-230, 6.3	3x208-230	6.3	14" x 12"
99389395	Panel, Spartan Sim Oil 3x208-230, 10	3x208-230	10	14" x 12"
99389396	Panel, Spartan Sim Oil 3x480, 16	3x208-230	16	14" x 12"
99389397	Panel, Spartan Sim Oil 3x480, 4.0	3x480	4	14" x 12"
99389398	Panel, Spartan Sim Oil 3x480, 6.3	3x480	6.3	14" x 12"
99389399	Panel, Spartan Sim Oil 3x480, 10	3x480	10	14" x 12"
99389400	Panel, Spartan Sim Oil 3x600, 2.5	3x600	2.5	14" x 12"
99389401	Panel, Spartan Sim Oil 3x600, 4.0	3x600	4	14" x 12"
99389402	Panel, Spartan Sim Oil 3x600, 6.3	3x600	6.3	14" x 12"

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Commercial Wastewater Control Panels

GRUNDFOS SPARTAN

The Spartan Series control panel is an economical control panel for simplex and duplex sump pump applications. The UL 508a Listed control panel utilizes simple float switch control operation and provides all motor controls including automatic lead pump alternation, pump Hand-Off-Auto switches, motor high temperature circuits, and high level alarm circuit.



Key Features and Benefits

- Incoming Service Main Disconnect
- Type 4X Polycarbonate Enclosure
- Visual/Audible Alarm Indication with Silencing
- Simple Relay Logic Controls
- 10mm Pump Run HOA Toggle Switches
- 10mm Neon Indicator Lights
- General Alarm Remote Monitoring Dry Contact
- Easy to access Field Terminals
- UL 508a Listed
- Optional Dead Front Construction




APPLICATIONS

- Simplex or duplex non oil logic submersible pumping applications
- Stormwater
- Sump/Sewage/Effluent

Spartan Series Configurations

- Duplex • 200/240vac / 1ph
- Simplex • 200/240vac/ 1ph with start and run capacitors
- 120vac/ 1ph • 200/230/480/600vac/ 3ph

GRUNDFOS PIP 1/2 - 2HP SPARTAN SERIES ALARM & CONTROL PANELS

	PN	Description	Voltage	FLA	Panel Size
 <p>Spartan Alarm Panel</p>	99381158	Alarm, Spartan 1x120	1x120	NA	6" x 6"
 <p>Spartan, Simplex, Float</p>	99381162	Panel, Spartan Sim 1x120, 13	1x120	13	10" x 8"
	99387965	Panel, Spartan Sim 1x240, 6	1x240	6	10" x 8"
	99387966	Panel, Spartan Sim 1x240, 11	1x240	11	10" x 8"
	99387967	Panel, Spartan Sim 1x240, 14	1x240	14	10" x 8"
	99387968	Panel, Spartan Sim 1x240, 16	1x240	16	10" x 8"
	99387969	Panel, Spartan Sim 3x208-230, 6.3	3x208-230	6.3	12" x 10"
	99387970	Panel, Spartan Sim 3x208-230, 10	3x208-230	10	12" x 10"
	99387971	Panel, Spartan Sim 3x208-230, 16	3x208-230	16	12" x 10"
	99387972	Panel, Spartan Sim 3x480, 4.0	3x480	4	12" x 10"
	99388193	Panel, Spartan Sim 3x480, 6.3	3x480	6.3	12" x 10"
	99388194	Panel, Spartan Sim 3x480, 10	3x480	10	12" x 10"
	99388195	Panel, Spartan Sim 3x600, 2.5	3x600	2.5	12" x 10"
	99388196	Panel, Spartan Sim 3x600, 4.0	3x600	4	12" x 10"
	99388197	Panel, Spartan Sim 3x600, 6.3	3x600	6.3	12" x 10"
 <p>Spartan, Duplex, Float</p>	99391690	Panel, Spartan DUP 1x120, 13	1x120	13	12" x 10"
	99391692	Panel, Spartan DUP 1x240, 6	1x240	6	12" x 10"
	99391693	Panel, Spartan DUP 1x240, 11	1x240	11	12" x 10"
	99391694	Panel, Spartan DUP 1x240, 14	1x240	14	12" x 10"
	99391695	Panel, Spartan DUP 1x240, 16	1x240	16	12" x 10"
	99391696	Panel, Spartan DUP 3x208-230, 6.3	3x208-230	6.3	14" x 12"
	99391697	Panel, Spartan DUP 3x208-230, 10	3x208-230	10	14" x 12"
	99391701	Panel, Spartan DUP 3x208-230, 16	3x208-230	16	14" x 12"
	99391702	Panel, Spartan DUP 3x480, 4.0	3x480	4	14" x 12"
	99391703	Panel, Spartan DUP 3x480, 6.3	3x480	6.3	14" x 12"
	99392272	Panel, Spartan DUP 3x480, 10	3x480	10	14" x 12"
	99392274	Panel, Spartan DUP 3x600, 2.5	3x600	2.5	14" x 12"
	99392275	Panel, Spartan DUP 3x600, 4.0	3x600	4	14" x 12"
	99392276	Panel, Spartan DUP 3x600, 6.3	3x600	6.3	14" x 12"

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