

STANCOR



Oil-Minder® Simplex & Duplex Pump and Control Systems

Solid State, NEMA 4x
Oil-Minder® Control



SE50 Pump
with Float &
Oil-Minder®
Probe



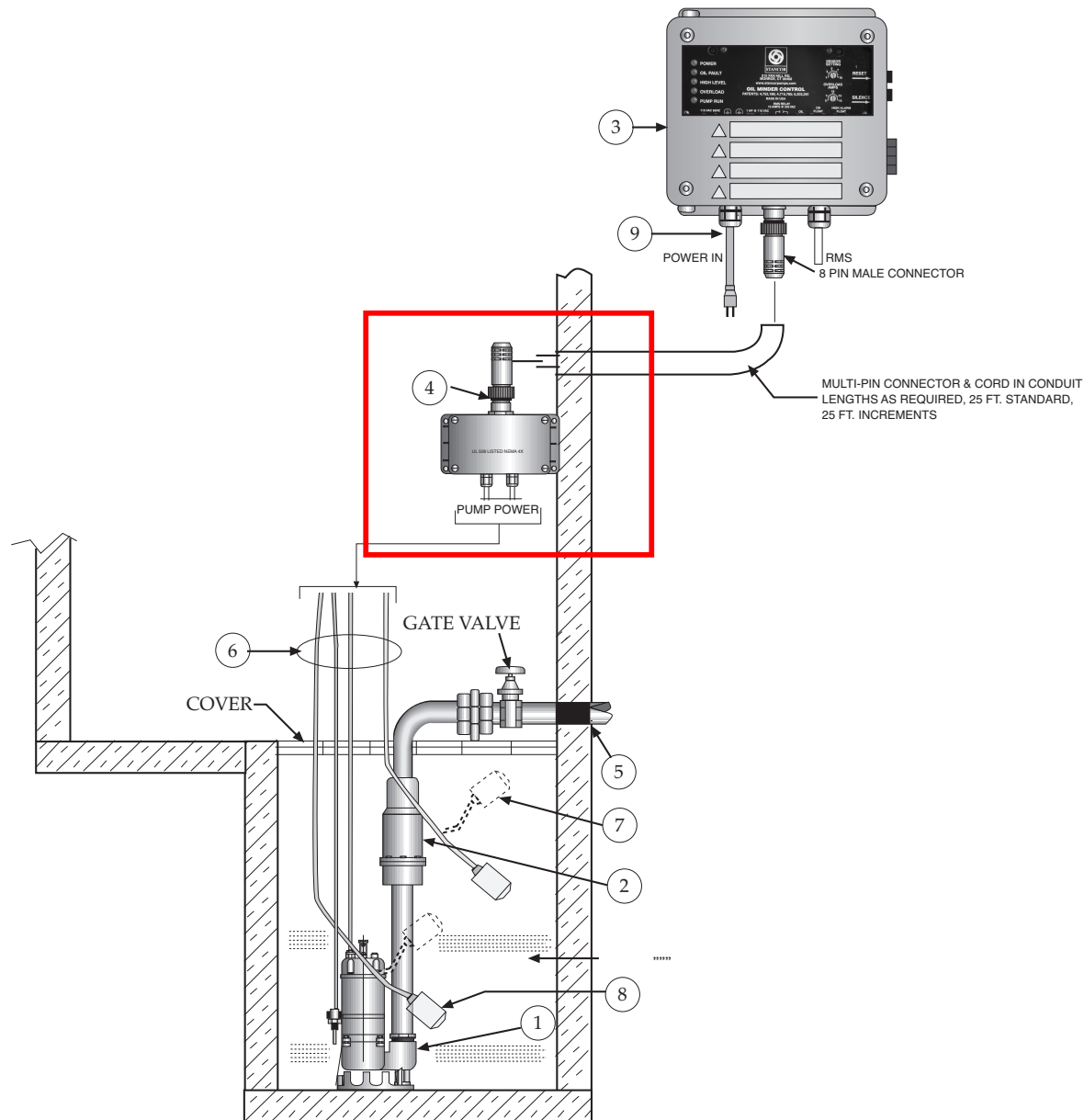
The Stancor Oil-Minder® Control and Pump System allows water to be automatically pumped from elevator pits, transformer vaults, and industrial sumps without danger of ejecting potentially harmful oily substances into sewers, rivers and waterways. There is no need for a separate oil-water separator. The product is engineered for efficient and trouble free pumping, even under the most severe conditions. The Stancor Oil-Minder® System is the overwhelming choice among design engineers and compliance authorities worldwide, and has a proven record for protecting valuable equipment and the environment.

Features

- NEMA 4x weathertight corrosion resistant polycarbonate enclosures
- Stainless steel sensor probe with patented electronic technology that repels dirt contamination
- Single direct plug-in power source for operation of entire system
- Solid state components
- Alarms, lights, silence switch, and remote monitoring circuit for oil, high liquid, and high amperage conditions
- Complete factory assembly and testing insures quality of entire pump and control system
- Patented - Pat. #4,715,785, #4,752,188, #6,203,281 and others pending
- Oil-Minder® System can be combined with a variety of different pumps and valves
- Choice of: 115v or 220v (1 phase) OR 230v/460v/575v (3 phase)
- LED indicator lights for oil spill, power, high liquid level, overload, and pump run
- UL 508 and 778 approved
- ENTELA tested and approved as a system

“There Is Only One Oil-Minder® System and Stancor Makes It”
Quality You Can Believe In

Typical Stancor Simplex Multi-Option Oil-Minder® System



1. Stancor Model SE-50 submersible effluent pump .5 HP, 115 volt, 3600 RPM, 2" discharge connection
2. Check valve (2")
3. Stancor Oil-Minder 115V, 1Ø control system with built-in audible and visual alarm when pump does not run due to oil in pit or high liquid or high amperage condition. Provide silencing button for audible alarm built into panel. Panel shall have two contacts for a remote alarm location (one each for oil and high water or amperage alert). Junction box will be provided with multi-pin connector and cord in lengths as required, 25 ft. standard, optional 25 ft. increments.
4. Junction box will be provided with multi-pin connector and cord in lengths as required; 25 ft. is standard, optional 25 ft. increments available up to 250 ft.
5. All buried pump pressure discharge piping shall be protected with tapecoat CT corrosion protection tape
6. Pump cable, probe cable, high liquid alarm cable, and pump "on" float cable (16 ft. lengths)
7. High liquid alarm float with clamp device to mount to pump discharge piping
8. Pump On float
9. Power cord and molded ground plug (6 ft. length)

ITEMS 1, 2, 3, 4, 6, 7, 8 AND 9 PROVIDED BY STANCOR AS A STANDARD PACKAGE

 STANCOR	TECHNICAL DATA	AVENGER SERIES	SV-200
Dwg:	DS-A04-013	Rev: 2	Date: 01/16

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class E
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	120° C ± 5° C
Service Factor	1.3
Voltage Tolerance	± 10% from nominal



MOTOR DATA, 60Hz

Model	Phase	Output Power BHP	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
SV-200	1	2.0	230	12	60	H	0.90	0.79	2/3450
	3	2.0	230	6	30	G	0.89	0.78	2/3450
	3	2.0	460	3	15	G	0.84	0.75	2/3450
	3	2.0	575	2.3	11.5	G	0.82	0.78	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	FC-20 Cast Iron
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	FC-20 Cast Iron
Volute	FC-20 Cast Iron
External Hardware	AISI 304 Stainless Steel
O-Rings	Nitrile (Buna N)
Motor Shaft	Stainless Steel (410)
Upper Bearing	Single row, doubled sealed
Lower Bearing(s)	Single row, doubled sealed
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	CA/CE; outboard lip seal
Impeller	FC-20 Cast Iron

DIMENSIONS, WEIGHT, AND MISC.

Pump weight single phase	77lbs (35kg)
Pump weight three phase	77lbs (35kg)
Maximum submergence	30 feet (9m)
Discharge size, standard	2 inch or 3 inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SV-200	1Ø-230V	SJTOW 14/3	33 feet (10m)	NBR
	3Ø-230V	STOW 14/4	33 feet (10m)	NBR
	3Ø-460V	STOW 16/4	33 feet (10m)	NBR
	3Ø-575V	STOW 16/4	33 feet (10m)	NBR

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.

Specifications subject to change without notice



Horsepower: 2 HP

Hertz: 60 Hz

Stancor Model SV-200
Individual Performance Curve

EFF (%) BHP

100 3.00

80 2.40

60 1.80

40 1.20

20 0.60

0 0.00

