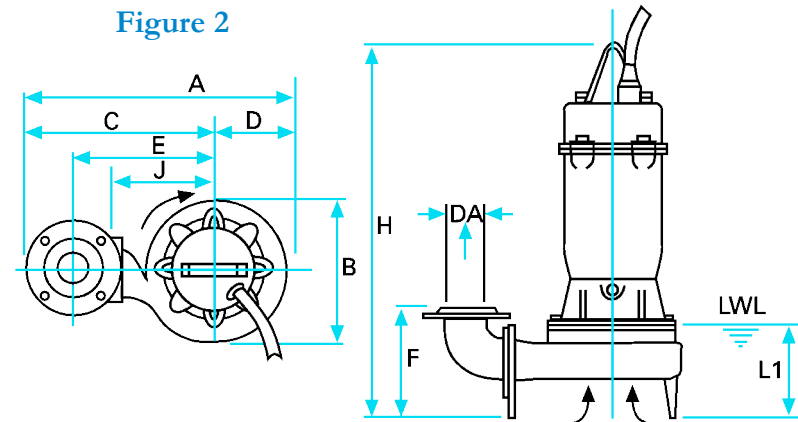
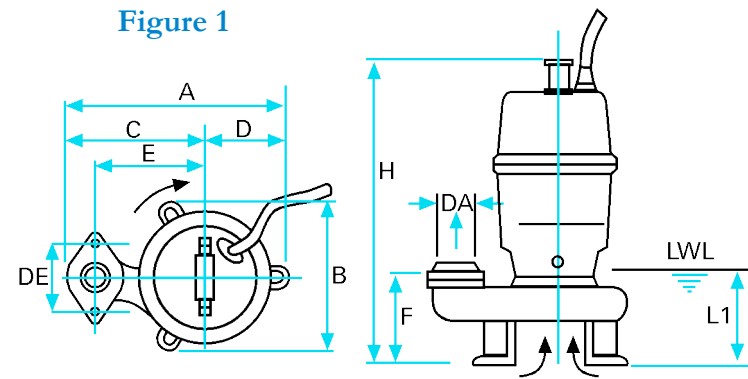


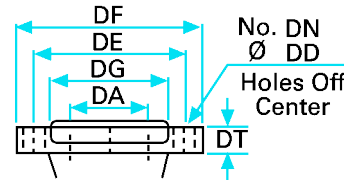
SDVS

Stancor SDVS Series

Non-Clog Wastewater and Sewage Pump



Discharge Flange



Notes on LWL (Low Water Level) :

- 1 is limited to 10 minutes operation at low water level
- 2 is limited to 30 minutes operation with water level below top of motor

Dimensions (inches)

DA	DE	DF	DG	DY	DN	DD
2.5	5.5	6.8	4.5	0.7	4	15 mm
3	5.8	7.2	4.9	0.7	8	15 mm

General & Electrical Specifications (units: mm)

Model	Output	Phase	DA	A	B	C	D	E	F	H	J	L1	Weight
SDVS100	1 HP	1 or 3	3	16	7.6	12.25	3.8	8.6	7.1	18.2	5.7	4.9	57 lbs
SDVS200	2 HP	1 or 3	3	16	7.6	12.25	3.8	8.6	7.1	20.1	5.7	4.9	77 lbs
SDVS300	3 HP	3	3	17.25	8.9	12.81	4.5	9.2	8.0	25.1	6.25	6.1	112 lbs
SDVS500	5 HP	3	3	17.25	8.9	12.81	4.5	9.2	8.0	25.1	6.25	6.1	132 lbs



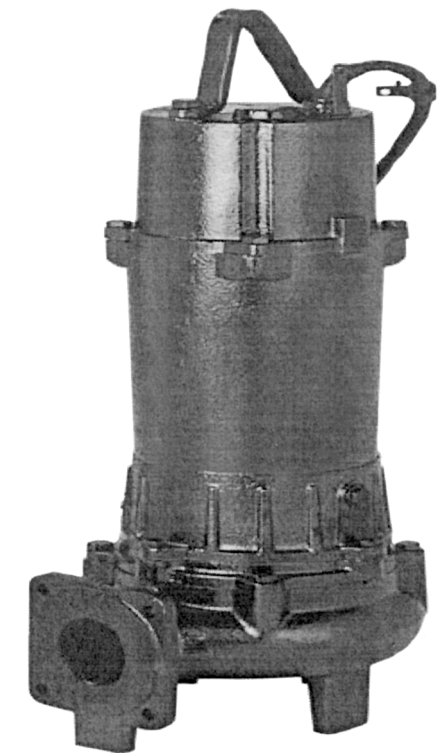
Quality You Can Believe In

Stancor, Inc. • 515 Fan Hill Road • Monroe, CT 06468
 Phone: 203-268-7513 • Fax: 203-268-7958 • www.stancorpumps.com

Standard Specifications	
Scope	
Discharge	3"
Motor Power	1-2 HP (1 phase) 1-5 HP (3 phase)
Performance	Capacity: 75-275 GPM Head: 55-85 ft.
Liquid	
Type	Water containing soft solids
Max. Temp.	104° F
Max. Solids	refer to table on page 3
Submergence	
Maximum	15 ft (1-2 HP) • 25 ft (3-5 HP)
Minimum	refer to LWL in dimensions
Construction	
Impeller	Semi-vortex
Mech. Seal	Oil-lubricated, single spring double mechanical seal
Materials	
Casing	Cast Iron
Impeller	Cast Iron
Shaft	403 Stainless Steel
Motor Frame	Cast Iron
Fasteners	304 Stainless Steel
Mech. Seal	Upper faces: carbon/ceramic Lower faces: silicon carbide/silicon carbide Lubricating Oil: Turbine Oil VG32 (SAE10W/20W)
Motor	
Type	Air filled dry submersible, IP68 Class F insulation
Nominal Speed	3500 rpm
Applicable Voltages	110/220 volts (1 HP), 1 phase 60 Hz 220 volts (2 HP), 1 phase 60 Hz 208/230/460 volts, 3 phase 60 Hz
Starting	DOL
Protection	Built-in overload protection
Cable length	20' (1-2 HP), 33' (3-5 HP)
Accessories: Flange	Discharge elbow with screwed companion flange
OPTIONAL	
Guiderail	Quick discharge connector (QDC)

Features:

- **Semi-Vortex Impeller**
The semi-vortex impeller offers non-clog operation and high pumping efficiency. Allows pumping of wastewater containing foreign matter as large as 60-70% of discharge size.
- **Easy Maintenance**
Due to semi-vortex design, with no strainer or close tolerance diffuser, only 3 or 4 bolts need to be removed for quick and easy maintenance.
- **Double Mechanical Seal in Oil Chamber**
An oil lubricated double mechanical seal with lower faces of hard silicon carbide provides strong and reliable shaft sealing.
- **Built-In Motor Protection**
Quick acting dual response overloads provide protection against overload, locked rotor or open phase.
- **Automatic Operation**
All models up to 5 HP are available as automatic ("A" type) pumps with built-in controls and float switches. No need for separate control panels, simply connect to power source for simple on/off operation, even with three phase power.

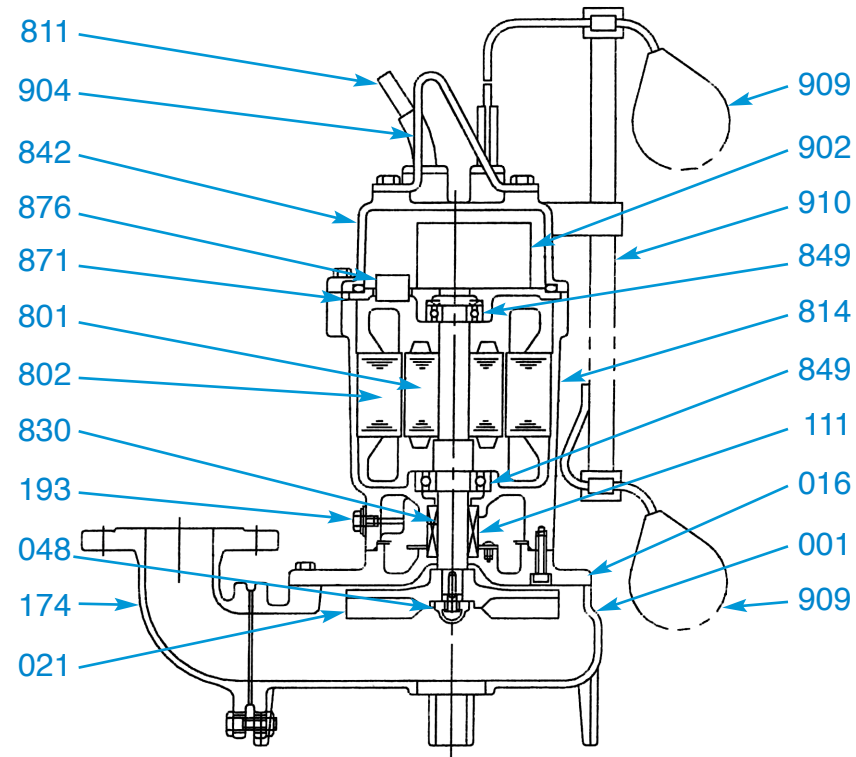


Applications:

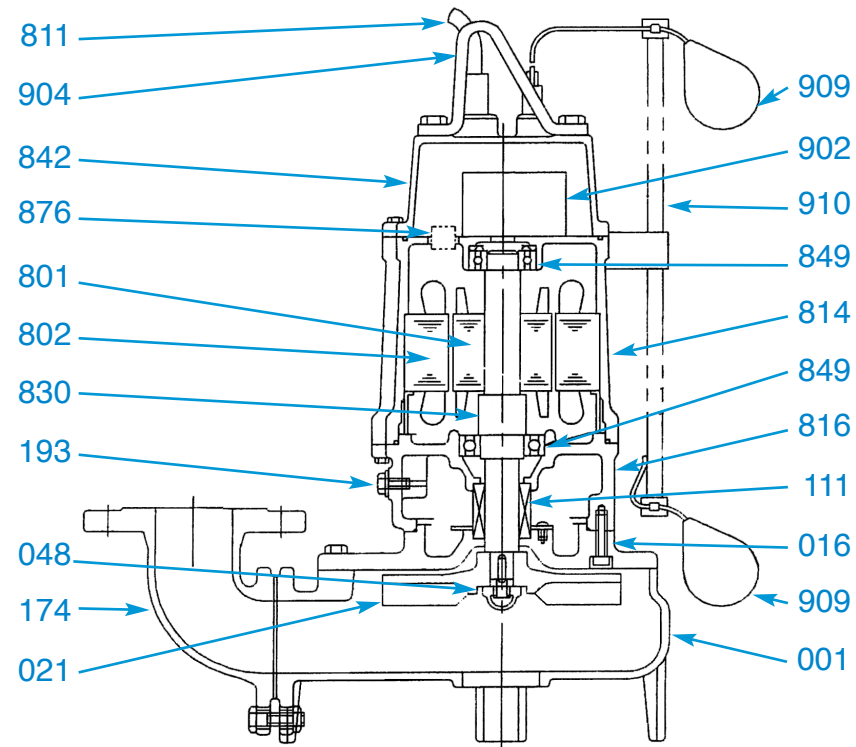
- Wastewater applications containing soft or fibrous solids
- Industrial wastewater drainage
- Septic effluent
- Mining and construction
- Miscellaneous drainage

Quality You Can Believe In

SDVS100



SDVS200



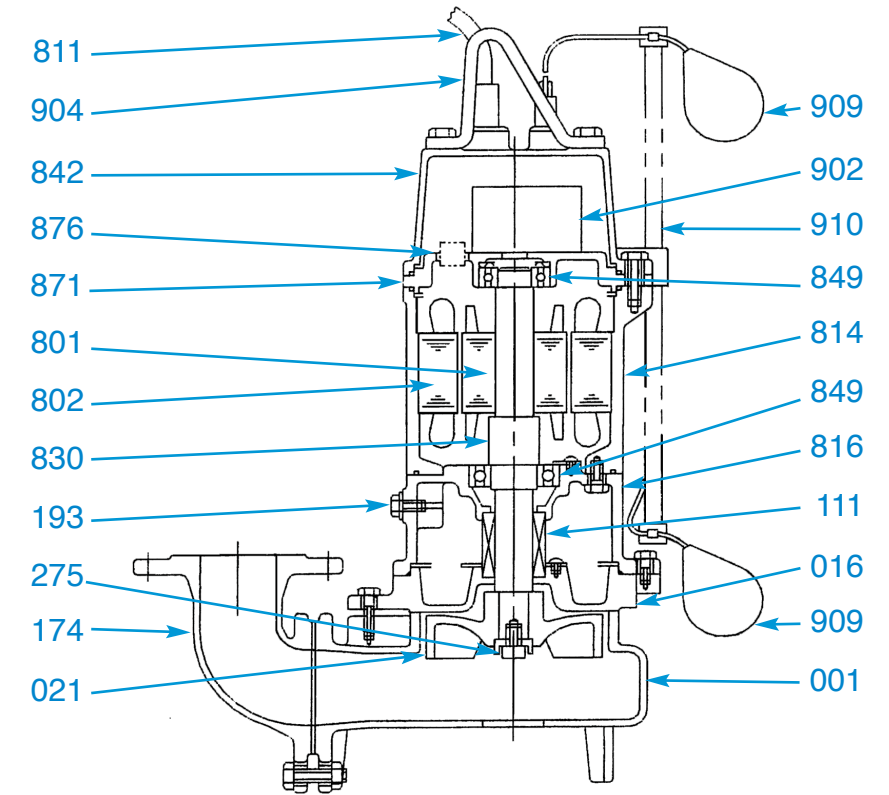
Parts List

Item #	Part Description	Material Construction
001	Pump Casing	FC-200 Cast Iron
016	Mechanical Seal Cover	FC-200 Cast Iron
021	Impeller	FC-200 Cast Iron
048	Impeller Nut	SUS-304 SS
080	Bushing	SS
111	Mechanical Seal	
174	Discharge Bend	FC-200 Cast Iron
193	Oil Plug	SUS-304 SS
275	Impeller Bolt	SUS-304 SS
801	Rotor	
802	Stator	
811	Submersible Cable	
814	Motor Frame	FC-150 Cast Iron
816	Power Side Bracket	FC-150 Cast Iron
830	Shaft	SUS-403 SS
842	Motor Cover	FC-150 Cast Iron
849	Ball Bearing	
871	Intermediate Bracket	FC-150 Cast Iron
876	Protector	
902	Control Device	
904	Lifting Hanger	SS
909	Float Switch ("A" Type)	
910	Float Pole	Plastics

Solids Handling Capacity

Model	100 & 200	300 & 500
- discharge	3"	3"
- motor HP	1-2	3-5
Max. diam. solids	1.8"	2.2"
Max. length fibers	8" - 12"	10" - 14"

SDVS300 & SDVS500



60Hz (Nominal Speed 3500 RPM)

