



Quality You Can Believe In!

AVENGER SERIES

S SERIES

LX SERIES

OIL-MINDER

CONTROLS

ACCESSORIES

There are many features common to all STANCOR "S" Series pumps. All of these features add up to one thing - a better pump.

Sealing System:

- S150 through S4500 Silicone Carbide vs. Silicone Carbide

S1500, S2000, S3000, and S4500 model pumps are equipped with a stainless steel seal housing and a stainless steel cartridge type seal with solid silicone carbide seal faces. This state of the art system can withstand extremely high pressure and utilizes anti-vibration bellows to prevent the seal faces from separating even under the most extreme operating conditions.

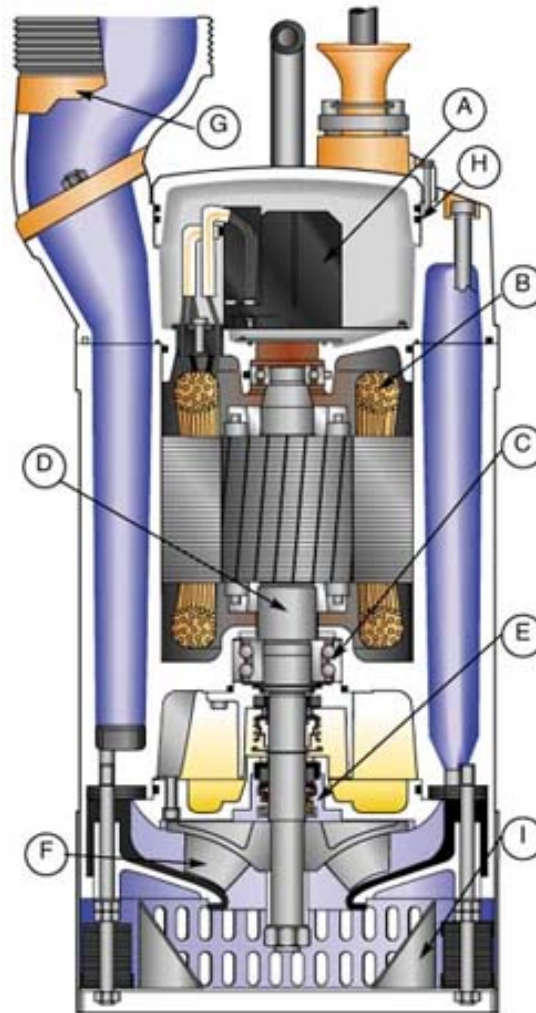
The mechanical seals run in an oil-filled chamber reducing the chance of overheating and failure.

THERMAL OVERLOAD PROTECTION

Every Stancor "S" unit has two thermal overload klixons wound into the stator. If the pump should overheat for any reason, the overloads shut the pump off automatically.

DISCHARGE LINING/ DIFFUSER

Every Stancor "S" series unit has a discharge lining as standard equipment. This lining eliminates wear on the pump housing from abrasive action and is available in a variety of materials such as



new!

LX Series
Sewage and
Wastewater
Pumps



Avenger SS
Series
Constructed of
316 stainless
steel. Models
up to 7.5 H.P.

nitrile, rubber, polyurethane, nylon, etc.

CONTACTOR

The contactor is located in the head of the pump. Klixons are wired directly into the contactor thus eliminating the need for a contactor in the control box.

IMPELLERS

Standard impellers are made of hardened stainless steel (17 - 4ph) capable of withstanding both heavy abrasives and chemical attack. Impellers and rotor shafts are keyed and threaded for a double secure fit.

PERFORMANCE

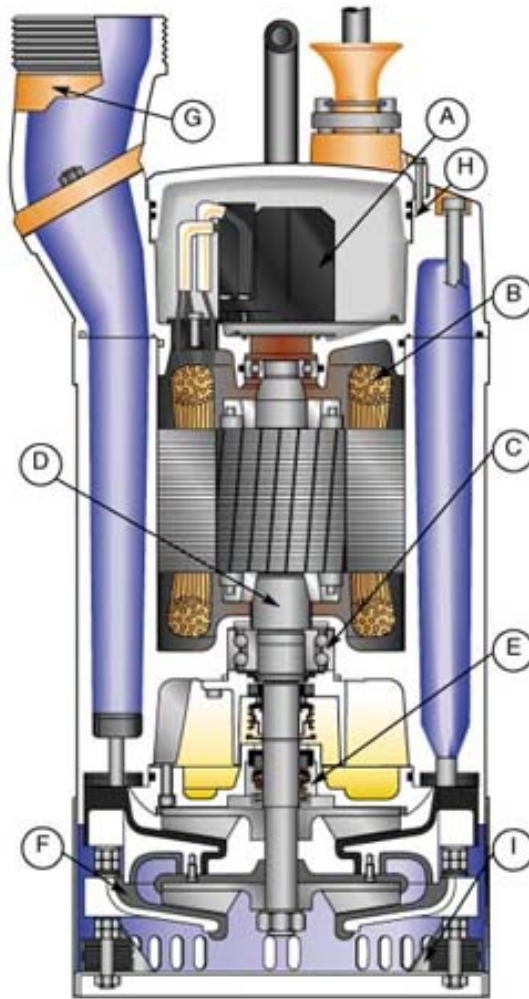
Generally, it can be stated that Stancor "S" series pumps provide more overall efficiency - more gallons per minute (gpm) per horsepower (hp). This allows a customer to use a smaller "S" pump saving money on the unit and subsequent operating costs.

COATING

All Stancor "S" series pumps can be hardcoated and teflon impregnated for extra protection in those extremely harsh operating environments. The process is dramatically effective and economical.

PORTABILITY

All Stancor "S" series pumps are lightweight when compared to similar competitive pumps. The slimline design of the pumps facilitates installation in tight quarters.



Model shown is 83000
30 HP Dewatering Pump

A: Junction Chamber

All Stancor dewatering pumps are equipped with a built-in contactor wired to thermal switches embedded into the end coils of the stator. In the event of motor over-heating, the contactor is tripped and automatically resets when the motor cools. All electric cables enter through a sealing gland. Water sealing and strain relief functions are separated. The entire junction chamber is sealed off from the motor to prevent burn out should moisture enter due to damage to the cable.

B: Motor

A dry, shell type, squirrel-cage induction motor is standard on all Stancor submersibles. Stator windings are triple dipped, class F Insulation, rated at 310°F (155°C). On all units pilot thermal sensors are embedded in the stator to protect the motor and exposed surfaces from overheating. All permissible and explosion proof models have especially long flame paths with very tight tolerances between all parts surrounding the motor to insure a secure housing in the event of an internal explosion.

C: Bearings

Both upper and lower bearings are prepacked with special high temperature grease.

D: Shaft

Every Stancor pump is designed with a short shaft overhang. Shaft deflection due to hydraulic forces is virtually eliminated. The result is a dramatic increase in bearing and seal life. All Stancor shafts are made of stainless steel.

E: Seal

One of the most critical components of Stancor submersible pumps is the unique lapped solid silicon carbide vs. silicon carbide seals. The Stancor balanced cartridge seal will withstand heat, corrosion and abrasion no other seals could survive. This compact unit consists of a lower balanced cartridge seal and an upper spring loaded mechanical seal assembly. The seals are arranged in tandem, each operating independent of the other in an oil chamber. The oil acts as a lubricating and cooling medium for the seal faces.

F: Liquid End

Adjustable abrasion resistant stainless steel impeller and rubber lined diffuser permit optimum efficiency to be maintained despite wear. Rubber clad, easily replaceable wear parts are standard.

G: Hose Connection

The discharge outlet can be placed in the straight out position or rotated 180° aiming the hose at an angle, eliminating kinks and bends, reducing friction losses.

H: O-rings

All mating components around motor are sealed with double o-ring seals.

I: Hardware

All Stancor fasteners and strainers are made of stainless steel.

Stancor is a leading designer and manufacturer of electric submersible pumps and controls. Stancor is qualified to provide both standard and customized systems to meet virtually any specification. Packaged systems, complete with heavy duty tanks, covers and internal plumbing are available from our factory. Our engineering staff will help you design the right control and pump for special applications. Stancor pumps are available from 1/2 HP to 45 HP, so we always have the right equipment for any job. Our commitment to quality is your assurance that our pumps and controls are second to none.

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