PENTAIR



Model S4S | Model SB4SD | Model S3SD

HYDROMATIC®

MODELS S3S(D)/S4S(D) & SB3S(D)/SB4S(D)

SUBMERSIBLE SEWAGE PUMPS

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MODELS S3S(D)/S4S(D) & SB3S(D)/SB4S(D)

Submersible Sewage Pumps

Hydromatic introduces a competitively priced line of quality 3" and 4" discharge solids handling sewage pumps. The S3S(D)/S4S(D) and SB3S(D)/SB4S(D) Series feature horizontal or vertical discharge options for quick and easy installations.

The Hydromatic S3S(D)/S4S(D) and SB3S(D)/SB4S(D) sewage pumps are designed to transfer raw sewage with solids as large as 3" through pipes up to 4" in diameter.

Sewage pumps are necessary to move sewage from a building to the sewer system, and in many cases, from the sewer system to a treatment plant. In the case of larger commercial installations, collection systems are designed to accumulate and transfer the wastewater efficiently.

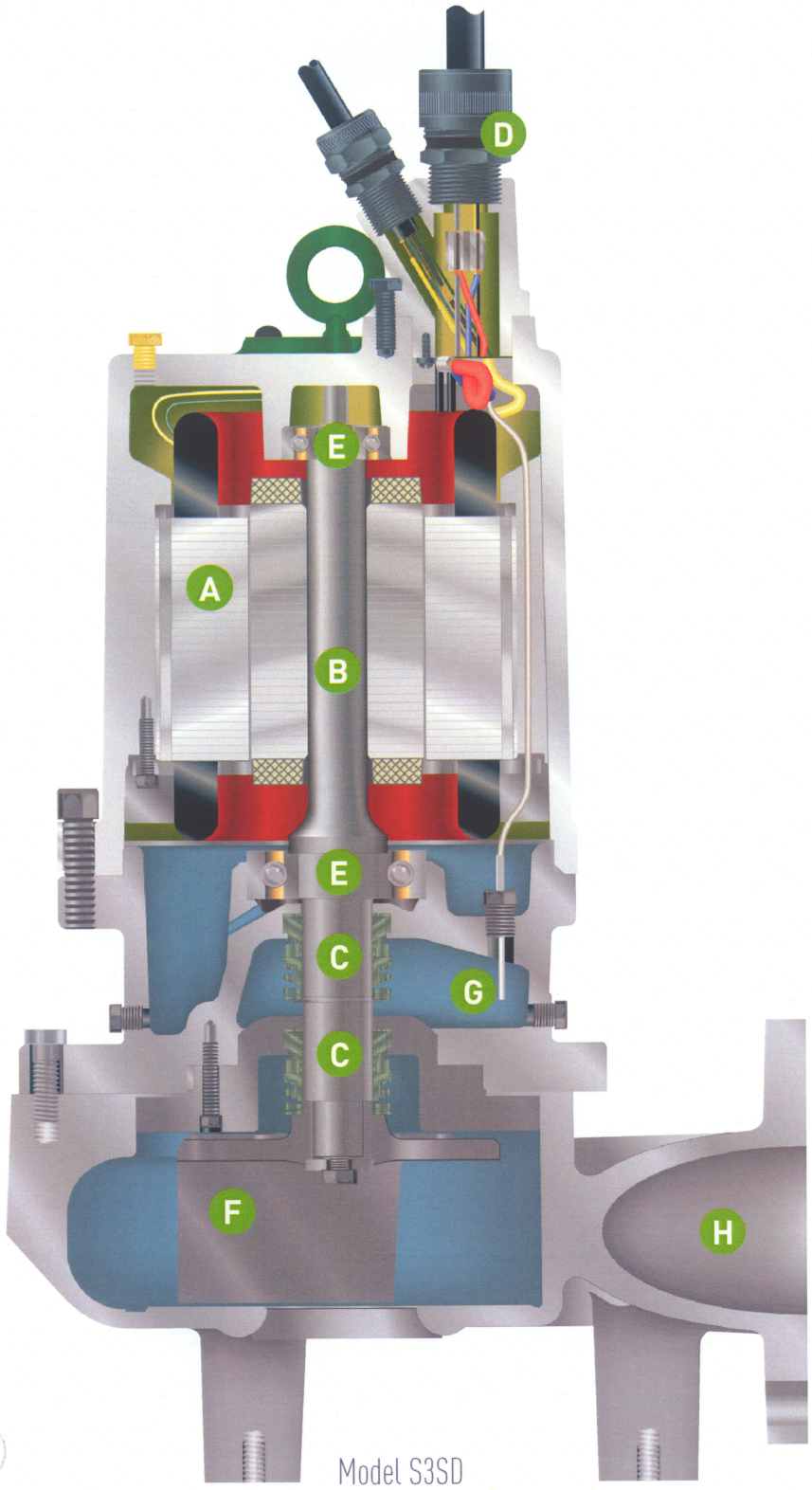
Examples of this are motels, apartment buildings, and industrial plants that tie in with sewer mains or on-site treatment facilities. For commercial or high volume applications, the usual procedure is to incorporate at least two pumps as a duplex system in conjunction with control panel, a guide system and quick disconnect discharge system. Hydromatic S3S(D)/S4S(D) pumps provide maximum value that can't be beat!

Pump Features

The Hydromatic S3S(D)/S4S(D) can be used with the Hydromatic pultruded I-beam rail system for easy installations. The corrosion resistant rail system permits the pump(s) to be lowered into position without entering the wet well. An exclusive self-sealing flange eliminates the need to bolt pump to the piping system. When the pump is activated, a neoprene diaphragm forms an effective seal between the discharge flange and the base elbow flange. A Hydromatic control panel will ensure proper start components and equal pump alternation.

- Quality double ball bearing, optional dual mechanical seal.
- Oil-filled motor for cooler operation, longer life, and less maintenance. The dielectric oil effectively dissipates heat and lubricates upper and lower ball bearings.
- The start and run capacitors are located in the control panel for single phase motors. Contact your Hydromatic distributor for proper Hydromatic control panel sizing.
- Standard construction is cast iron.
- 300 or 400 series stainless steel shafts.
- Field serviceable; pumps have 300 series stainless steel fasteners for easy teardown.
- Semiopen, two-vane sewage type impellers have pump-out vanes on back shrouds to prevent stringy materials from building up around shaft and seal.
- Manufactured with carbon and ceramic faced mechanical shaft seal for long leakproof life.
- All units given complete hydraulic test run before shipping.

Pump Features



Model S3SD

A. Oil-Filled Motor

The fully enclosed oil-filled motor efficiently dissipates heat and locks out moisture so you receive reliable pumping service.

B. Stainless Steel Shaft

Eliminates corrosion and fatigue to give longer pump life. The minimum shaft overhang decreases deflection and increases seal life.

C. Mechanical Seal (Dual option available)

Constructed with a ceramic stationary face and a carbon rotating face for long service life.

D. PVC Jacketed Power Cord

Sealed by both the cord grip and additionally by the epoxy barrier.

E. Ball Bearings

The heavy duty ball bearings, upper (radial) and lower (thrust), are submerged in oil to provide permanent lubrication and ensure long service life.

F. Impeller

The impeller is a two-vane semiopen design for efficient operation without clogging. The impeller has pump-out vanes to prevent material buildup around shaft and seal.

G. Sensor Probe (In dual seal designs)

A seal-failure sensor probe (for connection to a seal failure alarm) is standard on three-phase units and available as a option on single phase models.

H. Vertical or Horizontal Discharge

Order A Complete System

The Complete System from Hydromatic® would include:

HYDROMATIC SEWAGE PUMP

Choose from a variety of quality sewage pumps.



HYDROMATIC CONTROL PANEL

Match up the perfect control panel for your system.



LEVEL CONTROL SWITCH

Get the exact float switches you need to keep your system running at it's best.





RAIL SYSTEM

A rail system to match your needs will ease installation and maintenance.

PENTAIR

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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
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