



EFFICIENT, DEPENDABLE SOLIDS HANDLING SEWAGE PUMPS

1 UNIQUE MOISTURE SWITCH

Protects motor should any leakage penetrate the motor housing, thus avoiding motor damage.

2 EXTERNAL AXIAL ADJUSTMENT

Impeller clearance adjusts quickly and easily by turning three external screws. No disassembly or replacement parts are necessary.

3 PATENTED CABLE ENTRY SEAL

Prevents moisture from entering the motor. Unique cable grip prevents cable from dislocating and allows easy cable replacement with common hand tools. No potting is required.

4 THREE THERMAL SWITCHES

Imbedded in each stator to protect the motor from overheating.

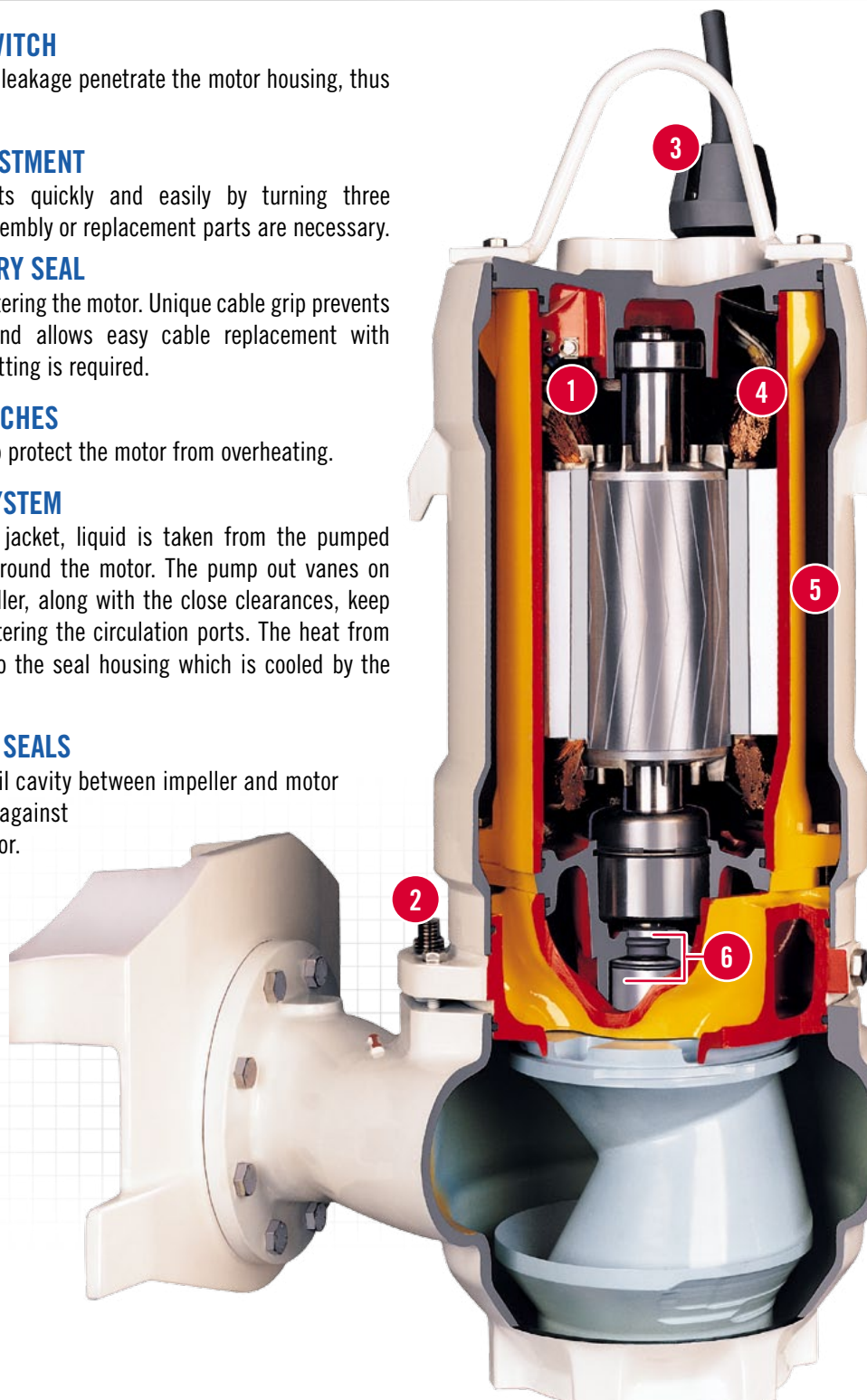
5 RELIABLE COOLING SYSTEM

With the optional cooling jacket, liquid is taken from the pumped media and is circulated around the motor. The pump out vanes on the back side of the impeller, along with the close clearances, keep solids and debris from entering the circulation ports. The heat from the motor is transferred to the seal housing which is cooled by the liquid being pumped.

6 DOUBLE MECHANICAL SEALS

Tandem seals located in oil cavity between impeller and motor provide double protection against moisture entering the motor.

Lower seal has silicon carbide surfaces for long life. Oil chamber ensures efficient cooling of seals.



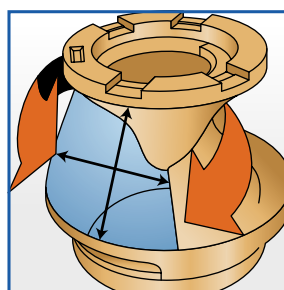


SEMI-AXIAL FLOW SUBMERSIBLE PUMPS



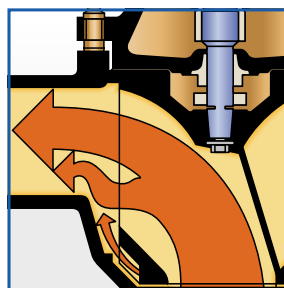
Gorman-Rupp has over 300 models of J Series submersible pumps in 4" to 20" discharge sizes, capacities to 15,000 gpm and heads to 265 feet, from 10 to 215 hp.

These pumps are designed specifically for solids-handling applications and incorporate several engineering features that prevent jamming and clogging, the two most common problems in pumping liquids containing solids.



LARGE SOLIDS PASSAGE

Impellers have a large free passage that will handle up to 5.5" diameter spherical solids, depending on pump model. Semi-axial flow impeller design has long screw-like vanes for handling long rags and other debris.



NO JAMMING

Self-cleaning axial flow impeller forces rags and debris away from the clearance between the impeller and volute to prevent jamming.



AUTOMATIC CONNECTION TO THE DISCHARGE PIPE

Slide rail pumps are lowered into the sump along two guide rails and are connected automatically to the base plate and released automatically when the pump is lifted.

The slide rail guide shoe, which is equipped with an integral neoprene seal ring, provides 100% connection between the pump and the discharge flange. The seal ring is easily replaced in the event of wear. There is no need to enter the wet well or replace base plate.

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