

RSDM Single Stage

Pump End



Features and Benefits

- 750 - 1500 GPM (2850 - 5678 LPM) NFPA performance
- Designed for modern engines with high strength, quiet helical gears
- Compact design allows maximum flexibility

Technical Information

Type: Compact single-stage gear-driven centrifugal pump designed for direct engine bell housing mounted applications.

Impeller: Fine grain bronze, closed type, single suction, dynamically balanced 10 inch OD impeller with front and rear removable bronze sealing rings. 1500 model includes stainless steel inducer for increased performance.

Pump Shaft: Electric furnace heat treated stainless steel ground to finish size

Pump Shaft Seal: Maintenance-free, self-adjusting thermal shock resistant mechanical seal

Pump Case: Fine grain cast iron with a minimum tensile strength of 30,000 PSI. Flanged discharge outlet. Auxiliary discharge opening accommodates flanged connections up to 3-inch (76 mm). Hydrostatically tested to 500 PSI at Hale's facilities.

Suction Connection: 6-inch Victaulic® (150 mm) standard intake connection. Flanged, 5" NST, 6" NST and dual suction manifold available.

Discharge Flange: 4-inch (100 mm)

Pump Gearbox: All ball bearing construction with heavy duty 30,000 psi minimum gearbox casing. Precision heat treated helical gears. Splash lubrication system. Equipped with water to oil heat exchanger tube to reduce transmission temperatures on all models.

Gear Ratios: 1.24, 1.40, 1.59, 1.80, 1.97, 2.16, or 2.37

Drive Shaft: Heat treated input shaft designed to connect to engine drive disc

Weight: Standard weight less oil and all options - 265 lbs (120 kg)

Optional Equipment

- ESP Electric priming system
- Relief Valve Systems including TPM-P35 relief valve
- Horizontal transmission position
- All bronze construction
- Stainless steel valves
- Thermal Relief Valve
- Zinc or magnesium Anodes
- Elastomeric drive disc for diesel engines
- Drain valves (shipped loose)

PUMP ENDS