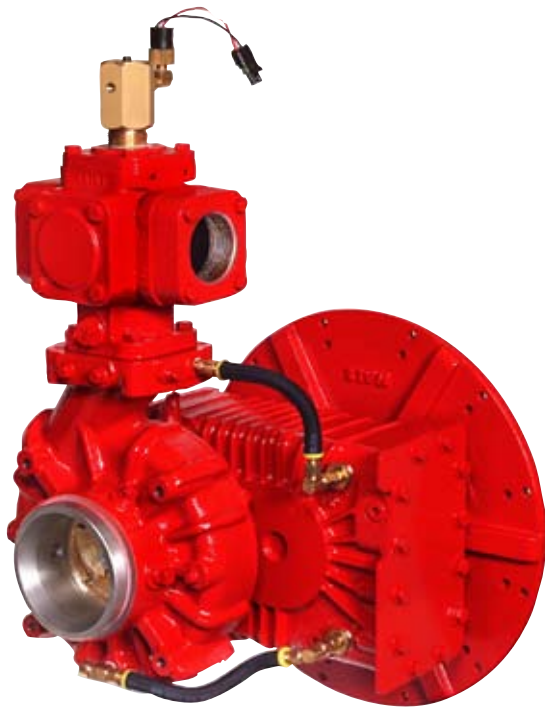


# APSM Single Stage

## Pump End



### Features and Benefits

- 250 - 500 GPM (946 - 1875 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:** 7.5 inch impeller, fine grain bronze, closed type, single suction, dynamically balanced with front and rear removable bronze sealing rings.

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

**Pump Shaft Seal:** Maintenance-free, self-adjusting thermal shock resistant silicon carbide and carbon mechanical seal

**Pump Case:** Fine grain cast iron with a minimum tensile strength of 30,000 PSI. Flanged discharge outlet. Hydrostatically tested to 500 PSI at Hale's facilities.

**Suction Connection:** 5-inch Victaulic® (125 mm) standard.

**Discharge Flange:** 3-inch (75mm)

**Pump Gearbox:** All rolling element bearing construction. 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:** 1.64, 1.96, 2.30, 2.60, 2.91, 3.74

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

**Weight:** Standard weight less oil and all options - 249 lbs

### Optional Equipment

- All bronze construction
- ESP Electric priming system
- Relief Valve System
- Horizontal or inverted transmission positions
- All bronze construction
- Stainless steel valves
- Thermal Relief Valve
- Zinc or magnesium Anodes
- Spring dampened drive disc for gasoline engines
- Elastomeric drive disc for diesel engines
- Mini-manfolds cast iron manifold system

# PUMP ENDS