

# CSD Front Mount Pump

## 750 - 1500 GPM (2850 - 5678 LPM)



# FRONT MOUNT PUMPS

### Features and Benefits

- 750 - 1500 GPM (2850 - 5678 LPM) NFPA performance
- Designed for easy maintenance
- Compact design allows maximum truck design flexibility
- Mechanical pump shaft seal
- 16,000 lb-ft gearbox torque rating
- Exceeds NFPA performance criteria

### Technical Information

**Type:** Single-stage end suction, centrifugal pump connected to split-shaft PTO transmission assembly intended for conventional midship installation on mobile fire apparatus. Meets NFPA 1901 standards.

**Impeller:** Bronze, closed type, single suction, mixed flow design with replaceable wear rings, 10" (254 mm) diameter.

**Pump Shaft:** Heat treated stainless steel ground to finish size

**Pump Shaft Seal:** Maintenance-free, self-adjusting mechanical seal

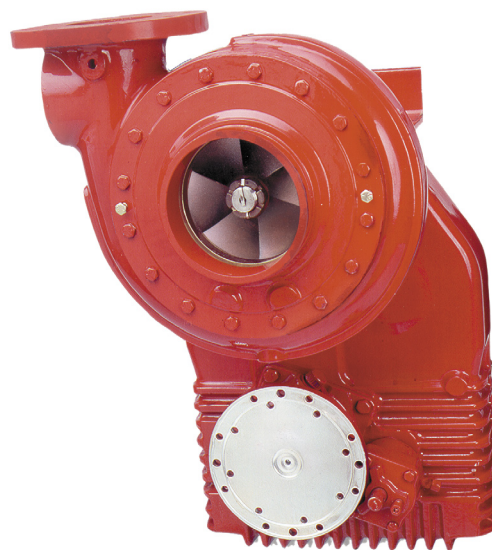
**Pump Case:** Fine grain iron material (600 PSIG/40.8 BAR hydrostatic pressure tested) with flanged discharge outlet plus an auxiliary discharge opening in pump volute to accommodate up to 3-inch (76 mm) discharge line. Volute is rotatable up to 360° in 22-1/2° increments. All bronze material available.

**Suction Flange:** 6-inch (150 mm) #77 style Victaulic connection

**Discharge Flange:** 4-inch (100 mm) ASA

**Input and Output Drive Shafts:** One piece 2-3/4" (70 mm) diameter drive shafts, multi-drilled and multi-piloted flanges to match with 1600, 1700, and 1800 series drive flanges

**Pump Gearbox:** Split shaft PTO type utilizing a sliding gear to transfer engine power to the



pump shaft or rear axle; all ball bearing construction, precision cut, heat-treated gears, splash lubrication system with no external lubrication points. Gearbox cooling tube to reduce temperature. Tach outlet, cable, and panel stub available. 16,000 lb-ft torque rating.

**Gear Ratios:** 1.58:1, 1.71:1, 1.81:1, 2.05:1, 2.28:1

**Weight:** Standard weight less oil and all options—520 lbs (236 kg)

**Miscellaneous:** Unit is prime painted. Two Operation/Maintenance manuals provided. Discharge vertical unless otherwise specified.

**Optional Equipment:** Volute discharge position, suction facing rear, air power pump shift, high-pressure booster pump, bronze material package, electric rotary vane primer, relief valve system, master drain valve, thermal relief valve, discharge and suction valves.



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