



# PSM

## Midship Mounted Pump

### Specifications



#### Industry's Longest Warranty

- 10 year manufacturer's, 10 year parts and 3 year labor



#### Dimensions & Weight

- 33"L x 18"W x 31"H
- 660 lbs. (300 kg)



#### Applications

- Aerial
- Tanker
- Pumper
- Airports
- Refineries
- Urban settings



#### Features

- 5" NPT or weld discharge
- 6" NPT or weld suction flange
- 1610 and 1710 full round yokes
- Air shift
- Mechanical seal
- MagnaTrans™ gearbox



#### Options

- Electric over air shift
- Discharge manifold and suction tee
- Complete manifold
- Fully manifolded pump - Assembly #3
- High pressure pump (PSMH)



Assembly #1



## 1000 – 2000 GPM, Centrifugal, Single Suction Impeller

The Darley PSM 2000 GPM pump is the most compact, durable, and efficient 2000 GPM pump on the market. The PSM Pump is NFPA can be rated from 1000 to 2000 GPM and capable of flows well over 2200 GPM.

Designed by experts in fluid dynamics technology, the PSM utilizes the industry's best silicon carbide mechanical seals which is an extremely hard and heat dissipative material, resisting wear and dry running damage much better than conventional Ni-resist and Tungsten Carbide materials and has an optional discharge check valve allowing for fast priming.

The gearbox is rated to handle 19,230 ft. lbs. of torque and gears are helically cut to ensure quiet operation. The impeller is vacuum cast eliminating porosity, and dynamically balanced to ensure smooth operation while spinning at over 4000 RPM.

Pumps are modularly built for easy service and the compact design means a lighter weight and smaller pump compartment and features the same durable MagnaTrans™ gearbox as our popular LDM pump.

The PS Series pump has been the choice of thousands of departments around the world – confidence you can count on.

#### PSM 1000

- 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
- 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
- 500 gpm (1893 L/M) @ 250 psi (17.2 bar)

#### PSM 2000

- 2000 gpm (7570 L/M) @ 150 psi (10.3 bar)
- 1400 gpm (5300 L/M) @ 200 psi (13.8 bar)
- 1000 gpm (3785 L/M) @ 250 psi (17.2 bar)



MagnaTrans™ Gearbox



darley.com/pumps  
800.323.0244