

Industrial Grade High-Pressure Pump



Sunflo P-2500



The P-2500 is part of the Sunflo line of industrial grade, high pressure pumps for general service. It covers the middle range in the product family performance envelope to address ranges that include:

- Flows to 180 gpm (41 m³/hr)
- Heads to 2,600 ft (792 m)

Used in general industry services including wash water, boiler feed, condensate, mineral processing, reverse osmosis, high pressure wash down and tank farm transfer, the Sunflo P-2500 is a highly efficient, high pressure pump that remains in continuous service worldwide.

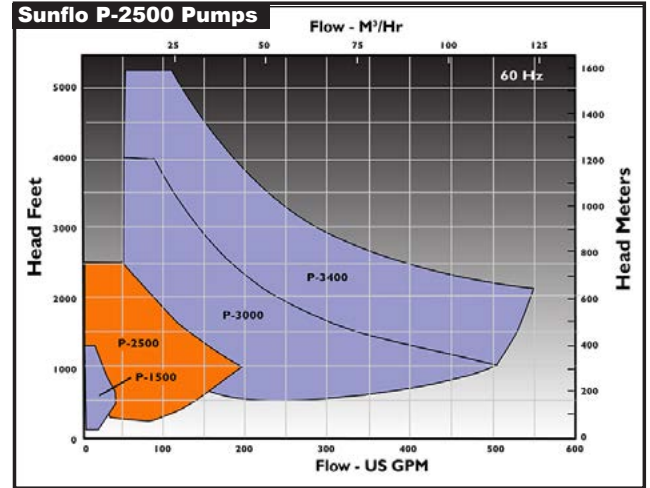
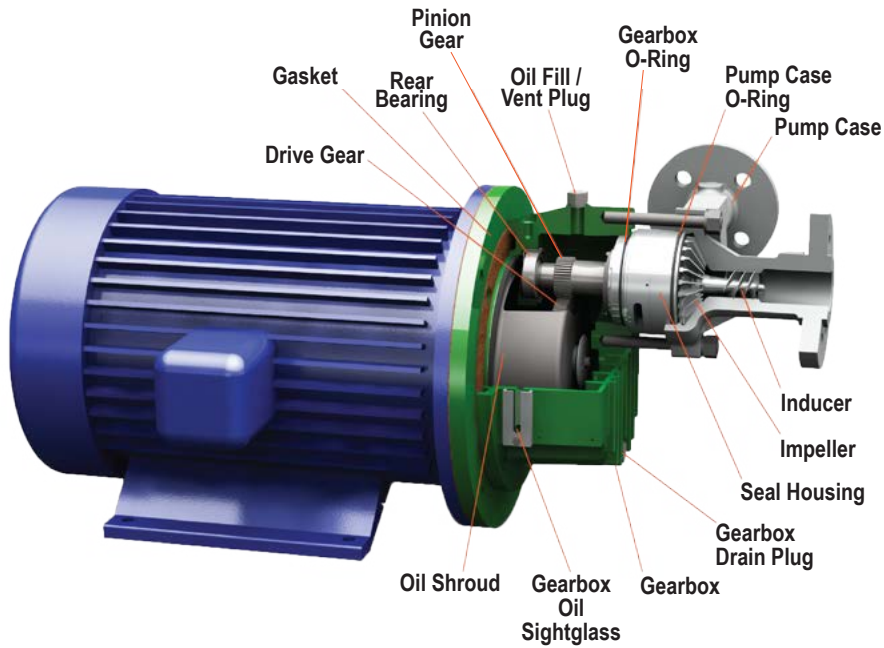
The P-2500 is designed to deliver maximized up-time, reduced maintenance costs and optimized productivity over the lifecycle of the unit.

Specifications

Heads To	250 to 2,600 ft	53 to 554 m	60HZ: 76 to 792 m
Flows To	20 to 180 gpm	3 to 40 m ³ /hr	60HZ: 4 to 50 m ³ /hr
Max Power	75 hp	55 kW	
Temp Range	-50 to 300°F	-46 to 149°C	
Number of Stages	1.0		
Max Case Working Pressure	1,440 psi	105 kg/cm ²	
Max Suction Pressure	250 psi (18 kg/cm ²)		
Standard Delivery	3 Weeks		
Speed Range	5,987 to 14,707 rpm-60Hz		
Materials of Construction	316SS (Duplex SS Optional), Hastelloy, AISI 4140 / 8620 / 9310 Steel, Aluminum or Cast Steel		
Bearing Materials Available	Splash Lubricated, Rolling Element		
Hydrotest Pressure	2,160 psig	151 kg/cm ² g	
Max Viscosity	10 cp		
Solids Range	0.015" (0.381mm), 400 microns		
Mounting Configurations	Close Coupled, Frame Mounted		
Number of Available Hydraulics	147.0		
Seal Configurations Available	Single, Double, Tandem		
Available Inducer	Yes		
Available Flanges	NPT, 300#RF, 600#RF		
Pump Case Corrosion Allowance	Generous Clearances		
Suction and Discharge Size	2" X 1.5"		
Seal Plans for Sunflo Pumps	11, 13, 21, 23, 31, 32, 41, 52, 53		

APPLICATIONS

- Boiler Feed
- Petroleum
- Petrochemical
- Food and Beverage Production
- General Industrial
- Oil Production
- Power Generation
- Chemical Processing
- Hydrocarbon Processing
- Refining
- Pulp and Paper
- Manufacturing
- Mining
- Pollution Control
- Power Systems
- Caustic Service
- High Pressure Wash
- Reverse Osmosis
- NOx Suppression
- Water Reinjection



INDUSTRIAL GRADE PUMPS

- **MULTISTAGE PERFORMANCE IN A SINGLE STAGE DESIGN** | Best Efficiency Point is the operating point which is maintained over the life of the pump.
- **CLOSE COUPLED** | Eliminates alignment issues and simplifies installation.
- **LOW NPSH_r PERFORMANCE** | Sunflo inducer technology provides for industry leading low NPSH_r.
- **ROBUST BEARING SYSTEM** | Bearing systems are designed to fully handle all hydraulic loading without dependence on problematic thrust balancing devices.
- **316SS CONSTRUCTION** | Provides corrosion free service in a small package reducing initial installation and life-cycle costs.
- **BARSKE OPEN IMPELLER** | Pump impeller design clearances provide thermal stability thus eliminating pre-warming requirements.
- **MAINTENANCE IN PLACE** | No need to remove and send pump out for repairs, quick removal and replacement of cartridge shaft assembly on site under 2 hours.

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