

PIONEER PRIME SERIES - END SUCTION CENTRIFUGAL PUMP

PUMP SPECIFICATIONS:

Model:	PP44S10L2-H
Description:	Bare Shaft, Frame Mounted, Horizontal, Fully Automatic Dry Priming, Vacuum Assisted, Run Dry, Heavy Duty Solids Handling Pump
Size:	4" x 4" Class 150 ANSI Flanges Standard (Class 250 ANSI Flanges Available)
Volute Casing:	ASTM A744 CD4Mcu Stainless Steel, Tangential Discharge with Cleanout, Clockwise Rotation (Viewed from the Driven End)
Wear Ring(s):	420 Heat Treated Stainless Steel
Bracket:	ASTM A48 Class 30/35 Gray Iron - Enclosed w/ Lip Seal for Mechanical Seal Dry Running w/ Oil Level Sight Glass
Backplate:	ASTM A744 CD4Mcu Stainless Steel
Suction Cover:	ASTM A744 CD4Mcu Stainless Steel
Mechanical Seal:	Single Type Seal w/ Tungsten Carbide vs. Silicon Carbide Seal Faces, Viton Elastomers, 300 Series Stainless Steel Hardware and Spring Seal System Designed for Indefinite Dry Running
Impeller:	Enclosed Type Non-Clog Impeller w/ 3.0" Spherical Solids Handling Capability - Construction of ASTM A744 CD4Mcu Stainless Steel
Bearing Housing:	ASTM A48 Class 30/35 Gray Iron
Pump End Bearing:	Single Row Ball
Drive End Bearing:	Single Row Ball
Shaft:	17-4 PH Corrosion Resistant Stainless Steel

Optional Materials:

UltraPrime™ Priming System

Vacuum Pump Specifications:

- 50 CFM Air Flow Capacity
- Mechanically Driven Diaphragm Style Continuous Vacuum
- Casing - Corrosion Resistant Aluminum w/ Buna-n Elastomer
- Drive Assembly - Cast Iron-Class 30 w/ Steel Shaft and Connecting Rod-Oil Lubricated

Separator Specifications:

- Separator Spool: Double Chamber CF8M 316 Stainless Steel
- Air/Water Chamber: Bolted to suction spool/volute of centrifugal pump chamber designed to separate air and water before entering the pump case. O-ring sealed w/ vacuum pump isolation valve.
- PosiValve™ Air Separation Valve: Constructed of non-corrosive manganese bronze with 316 Stainless Steel (SS) valve stem and seat. Actuator assembly with float ball and hardware 316 SS.
- Discharge Check Valve: Swing Style - CF8M 316 Stainless Steel