



Petroleum Pumps:

Bio-diesel

Fuel Oil

Kerosene

Aviation Gasoline

Diesel

Jet A / JP-8

Gasoline

Ethanol

E 85

MEMBER
PEI
PETROLEUM EQUIPMENT INSTITUTE



www.mppumps.com



MP Pumps PG, PO & PE Series Self Priming Pumps And SG, SO & SE End Suction Centrifugal Pumps Are Specifically Designed For The Transfer Of Petroleum Based Fluids.

MP Pump's Petroleum pumps capitalize on the need for pumps to handle all those fossil and bio-fuels that keep the economies of the world growing. MP Pump's Petroleum Series is targeted at the bulk transfer market and designed for use in agricultural, fuel transport, aviation and many other fuel transfer applications.

Other pump manufacturers design their pumps to be capable of handling all petroleum base fluids. This "one-pump-fits-all" approach creates unnecessary costs for most customers. MP Pumps grouped various petroleum fluids according to their characteristics and designed three distinct pump series to address those characteristics.

PO and SO Series pumps are made to handle diesel fuel, biodiesel, and fuel oil. PG and SG Series pumps are intended for use with kerosene, jet fuel A/B, and gasoline. PE and SE Series pumps match with ethanol and E85. In each case the volutes or housings, flanges, impellers, adapters, and seals are engineered for safety, performance, and durability. Pumps can also be customized to meet a customer's unique requirements. "P" pumps employ the self-priming features of MP Pumps' innovative FLOMAX® line. "S" pumps offer end-suction design.

PETROLMAXX

PO Series / SO Series

Cast Iron is the standard material for the volutes or housings, flanges, adapter and impeller. The self primer (PO) series is equipped with a steel wear plate. The straight centrifugal series is offered with flanged porting. As an optional material for the volute, ductile iron can be considered. The standard self-lubricated type 21 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is Ni-Resist. Electric motors are available in C Face, TEFC.

COMPATIBLE FOR DIESEL,
BIO-DIESEL & FUEL
OIL WITH TEFC MOTOR

PG Series / SG Series

Ductile Iron is the standard material for the volutes or housings, flanges, and adapter. The self primer (PG) series is equipped with an aluminum wear plate. The straight centrifugal series is offered with flanged porting. The standard open impeller material for the self-priming series (PG) is cast iron with aluminum as an option. The standard enclosed impeller material for the straight centrifugal series is aluminum. The standard self-lubricated type 2 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is silicon carbide. Electric motors are available in C Face, explosion proof Class 1 group D.

COMPATIBLE FOR KEROSENE,
JET A/B & GASOLINE
WITH EXPLOSION PROOF
MOTOR CLASS 1 GROUP D

PE Series / SE Series

Ductile Iron is the standard material for the volutes or housings, flanges, and adapter with a steel wear plate for the self primer series (PE). The standard impeller material is cast iron with 316 stainless steel as an option for the PE series. The straight centrifugal series is offered with flanged porting. The standard self lubricated type 2 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is silicon carbide. Electric motors are available in C Face, explosion proof Class 1 Group D.

COMPATIBLE FOR ETHANOL,
& E85 WITH EXPLOSION
PROOF MOTOR CLASS 1
GROUP D

MP Pumps Self-Priming Petroleum Pumps

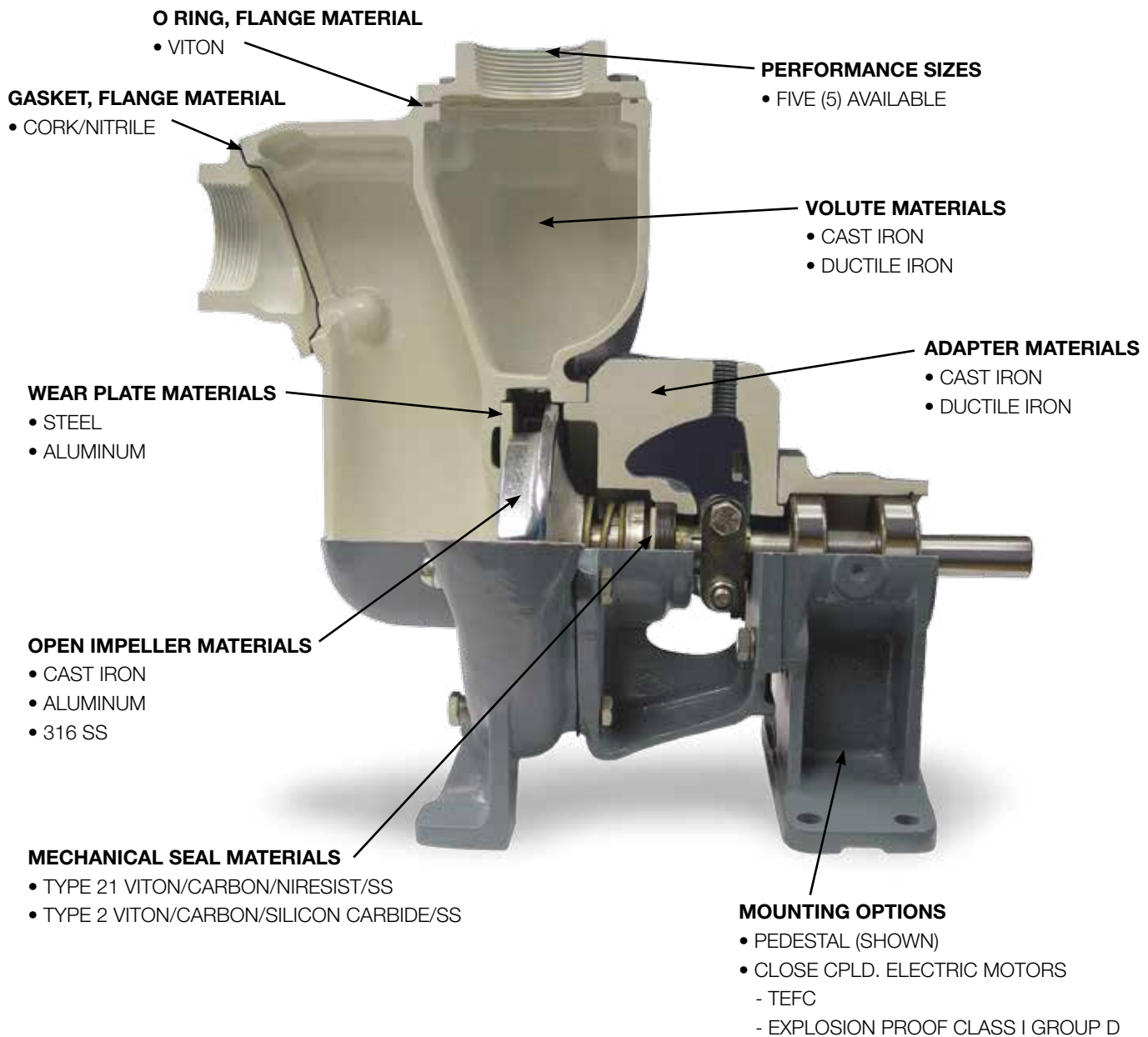
MP Pumps has specifically reengineered its popular Flomax® Self-Priming Series for compatibility with clean, non-abrasive petroleum products.

Transfer and delivery of various fuels such as gasoline, ethanol, biodiesel, and fuel oils are just a few of the petroleum based products the Flomax® Series is suitable for handling.

Long recognized as the leader in self-priming applications, the Flomax® Series addresses today's fuel market by offering:

- **Five (5) performance models.**
- **Various drive options.**
- **Specific mechanical seal offerings.**
- **Materials of construction compatible for three (3) distinct fuel classifications.**

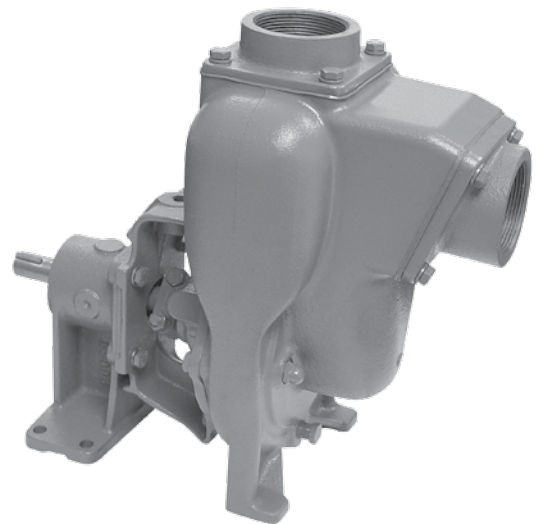
By classifying various fuels into three (3) distinct segments, MP Pumps can recommend that its design is capable of handling the specific fuel groups without incurring the additional cost associated with “one pump for all fuels”.



Model PG Pumps Compatible For Gasoline, Kerosene, Avgas & Jet Fuel



The “PG” model is available in Pedestal mount for flexible coupling or Close Coupled mount to C Face Class I Group D Explosion Proof electric motors. Ductile Iron is the standard construction for the volute and adapter. The open impeller is standard in cast iron construction with aluminum as an optional material. Standard material for the wear plate is aluminum. The standard self-lubricated Type 2 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is silicon carbide.

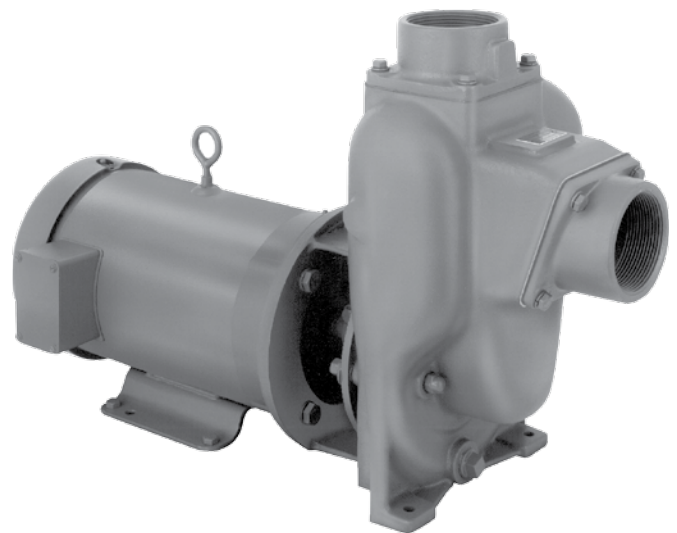


MODEL	SIZE	MOUNTING	STANDARD MATERIALS OF CONSTRUCTION					OPTIONAL MATERIALS		
			VOLUTE	IMPELLER	WEAR PLATE	O RING/GASKET	SEAL	VOLUTE	IMPELLER	WEAR PLATE
PG 8	2" X 2"	Explosion Proof	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS	C O N S U L T F A C T O R Y	Aluminum	C O N S U L T F A C T O R Y
PG 8	2" X 2"	Pedestal	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	
PG 10	2" X 2"	Explosion Proof	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	
PG 15	3" X 3"	Explosion Proof	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	
PG 15	3" X 3"	Pedestal	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	
PG 30	3" X 3"	Pedestal	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	
PG 40	4" X 4"	Pedestal	Ductile Iron	Cast Iron	Aluminum	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		Aluminum	

Model PO Pumps Compatible For BioDiesel, Fuel Oil & Diesel



The "PO" model mounting offerings for fuel oil and diesel fuel applications include both Pedestal mount for flexible coupling and Close Coupled mount to C Face, TEFC electric motors. Cast Iron is the standard construction for the volute, adapter and open impeller. Standard material for the wear plate is steel. The volute is also available in ductile iron. The standard self-lubricated Type 21 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is Ni-Resist.

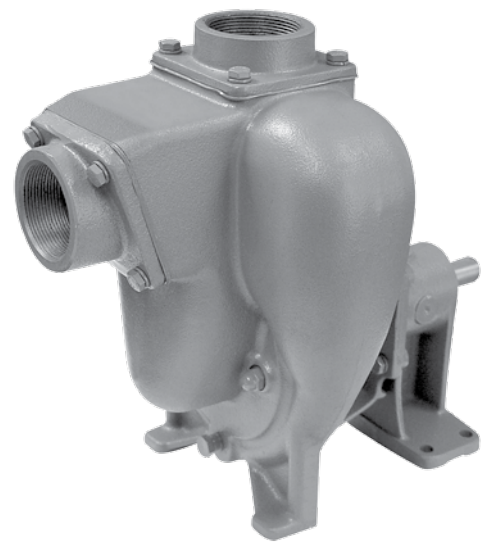


MODEL	SIZE	MOUNTING	STANDARD MATERIALS OF CONSTRUCTION					OPTIONAL MATERIALS		
			VOLUTE	IMPELLER	WEAR PLATE	O RING/ GASKET	SEAL	VOLUTE	IMPELLER	WEAR PLATE
PO 8	2" X 2"	TEFC	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron	C O N S U L T F A C T O R Y	C O N S U L T F A C T O R Y
PO 8	2" X 2"	Pedestal	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		
PO 10	2" X 2"	TEFC	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		
PO 15	3" X 3"	TEFC	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		
PO 15	3" X 3"	Pedestal	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		
PO 30	3" X 3"	Pedestal	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		
PO 40	4" X 4"	Pedestal	Cast Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 21 Viton/Carbon/ NiResist/SS	Ductile Iron		

Model PE Pumps Compatible For Ethanol & E 85



The “PE” model is available in Pedestal mount for flexible coupling or Close Coupled mount to C Face Class I Group D Explosion Proof electric motors. Ductile Iron is the standard construction for the volute and adapter. The open impeller is standard in cast iron construction with 316 SS as an optional material. Standard material for the wear plate is steel. The standard self-lubricated Type 2 mechanical seal is equipped with a carbon rotating face, viton elastomer and stainless steel spring. The stationary face is silicon carbide.



MODEL	SIZE	MOUNTING	STANDARD MATERIALS OF CONSTRUCTION					OPTIONAL MATERIALS		
			VOLUTE	IMPELLER	WEAR PLATE	O RING/ GASKET	SEAL	VOLUTE	IMPELLER	WEAR PLATE
PE 8	2" X 2"	Explosion Proof	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS	C O N S U L T F A C T O R Y	316 SS	C O N S U L T F A C T O R Y
PE 8	2" X 2"	Pedestal	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	
PE 10	2" X 2"	Explosion Proof	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	
PE 15	3" X 3"	Explosion Proof	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	
PE 15	3" X 3"	Pedestal	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	
PE 30	3" X 3"	Pedestal	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	
PE 40	4" X 4"	Pedesta	Ductile Iron	Cast Iron	Steel	Viton Cork/Nitrile	Type 2 Viton/Carbon/Sil.Car./SS		316 SS	

Performance Curves

